



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date:	March 14, 2022	Effective Date:	February 5, 2025
Revision Date:	February 5, 2025	Expiration Date:	March 31, 2027
Revision Type:	Modification, Significant		

In accordance with the provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and 25 Pa. Code Chapter 127, the Owner, [and Operator if noted] (hereinafter referred to as permittee) identified below is authorized by the Department of Environmental Protection (Department) to operate the air emission source(s) more fully described in this permit. This Facility is subject to all terms and conditions specified in this permit. Nothing in this permit relieves the permittee from its obligations to comply with all applicable Federal, State and Local laws and regulations.

The regulatory or statutory authority for each permit condition is set forth in brackets. All terms and conditions in this permit are federally enforceable applicable requirements unless otherwise designated as "State-Only" or "non-applicable" requirements.

TITLE V Permit No: 06-05007

Federal Tax Id - Plant Code: 23-0458500-1

Owner Information

Name: CARPENTER TECH CORP
Mailing Address: 101 BERN ST
READING, PA 19601-1203

Plant Information

Plant: CARPENTER TECH CORP/READING PLT
Location: 06 Berks County 06001 Reading City
SIC Code: 3312 Manufacturing - Blast Furnaces And Steel Mills

Responsible Official

Name: MICHAEL SIRBAUGH
Title: VP MANUFACTURING READING
Phone: (610) 208 - 3691 Email: msirbaugh@cartech.com

Permit Contact Person

Name: SCOTT MCGOLDRICK
Title: ENVIRONMENTAL MANAGER
Phone: (610) 208 - 2141 Email: SMcGoldrick@cartech.com

[Signature] _____
WILLIAM R. WEAVER, SOUTHCENTRAL REGION AIR PROGRAM MANAGER

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**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
041A	MISCELLANEOUS BOILERS < 20 MMBTU		
047	#5 BOILER F-645, B-48 (JOHNSTON)	20.900 MMBTU/HR	
		20.500 MCF/HR	NATURAL GAS
		150.000 Gal/HR	#2 FUEL OIL
048	#3 BOILER F-572, B-48 (C-B)	29.400 MMBTU/HR	
		210.000 Gal/HR	#2 FUEL OIL
		29.400 MCF/HR	NATURAL GAS
049	#4 BOILER F-573, B-48 (C-B)	29.400 MMBTU/HR	
		210.000 Gal/HR	#2 FUEL OIL
		29.400 MCF/HR	NATURAL GAS
053	#1 BOILER F-657 B-122	9.900 MMBTU/HR	
		88.600 Gal/HR	#2 FUEL OIL
		12.500 MCF/HR	NATURAL GAS
054	#2 BOILER F-658 B-122	9.900 MMBTU/HR	
		88.700 Gal/HR	#2 FUEL OIL
		12.600 MCF/HR	NATURAL GAS
059	SPACE HEATERS	72.500 MMBTU/HR	
		11.200 MCF/HR	NATURAL GAS
		61.300 MCF/HR	NATURAL GAS
064	BOILER F-538, B-87	1.100 MMBTU/HR	
		1.100 MCF/HR	NATURAL GAS
065	STRIP MILL BOILER F-863 B-048(CT 723)	25.000 MMBTU/HR	
		179.000 Gal/HR	#2 FUEL OIL
		24.300 MCF/HR	NATURAL GAS
140A	RACT 2 SMALL FURNACES		
296A	BATCH REHEAT F-916; B78	12.000 MCF/HR	Natural Gas
		5.000 Tons/HR	STEEL ALLOYS
709	LAUNDER PREHEAT EAST	1.500 MMBTU/HR	
041B	DDDDD UNITS <10 MMBTU/HR		
070	STECKEL MILL BURNER 1, B-55	0.850 MMBTU/HR	
071	STECKEL MILL BURNER 2, B-55	0.850 MMBTU/HR	
072	STECKEL MILL BURNER 3, B-55	0.850 MMBTU/HR	
073	STECKEL MILL BURNER 4, B-55	0.850 MMBTU/HR	
103A	BLOCK 3 HCL PICKLING LINE B-154		
104A	BLOCK 3 NITRIC PICKLING LINE		
105	BENCH SOUTH CLEANING LINE (CT#417)	15.000 Tons/HR	STEEL ALLOYS
107	STRIP CLEANING LINE 7 B-48B	0.800 Tons/HR	STEELS ALLOYS
108	ROD CLEANING LINE B-48B	3.600 Tons/HR	STEEL ALLOYS
111A	AIR MAKE UP BLDG 154	20.000 MMBTU/HR	
112	WET BELT GRINDING (STRIP MILL) B-48B		
114	ROD LINE SHOT BLAST B-48B	20.000 Tons/HR	STEEL ALLOYS

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
116	18" SWING GRINDER B-41	3.000 Tons/HR	STEEL ALLOYS
119	OLD MIDWEST GRINDERS BLOCK #1 B-41	6.000 Tons/HR	STEEL ALLOYS
119A	NEW MIDWEST GRINDERS BLOCK #1 B-41	6.000 Tons/HR	STEEL ALLOYS
120	MIDWEST GRINDERS BLOCK #2 -B-41	5.000 Tons/HR	STEEL ALLOYS
121	MIDWEST GRINDERS BLOCK #3 B-41	5.000 Tons/HR	STEEL ALLOYS
122	MIDWEST GRINDERS BLOCK #4 B-41	5.000 Tons/HR	STEEL ALLOYS
123	VULCAN GRINDER, B-41	10.000 Tons/HR	STEEL ALLOYS
126	ELECTRIC ARC FURNACE A	5.000 Tons/HR	STEEL ALLOYS
127	ELECTRIC ARC FURNACE B	5.000 Tons/HR	STEEL ALLOYS
128	ELECTRIC ARC FURNACE D	4.500 Tons/HR	STEEL ALLOYS
130	ELECTRIC ARC FURNACE E	5.500 Tons/HR	STEEL ALLOYS
132	BATCH REHEAT FURNACE 1, B-55	8.300 MMBTU/HR	
133	BATCH REHEAT FURNACE 2, B-55	8.300 MMBTU/HR	
134	BATCH REHEAT FURNACE 3, B-55	8.300 MMBTU/HR	
140	ROTARY SLUDGE DRYER F751 B131	6.300 MCF/HR	NATURAL GAS
		1,500.000 Lbs/HR	SLUDGE
141	TRUCK FILL SPOUT (SLUDGE DRYER)	1,500.000 Lbs/HR	DRIED SLUGE
142	SLUDGE DRYER SILO	1,500.000 Lbs/HR	DRIED SLUDGE
145A	FOUR FURNACES IN BUILDING 1	75.000 MCF/HR	NATURAL GAS
		515.000 Gal/HR	NO. 2 FUEL OIL
151A	SEVEN HEATING FURNACES IN B-2	75.000 MCF/HR	NATURAL GAS
		515.000 Gal/HR	NO. 2 FUEL OIL
158A	SIX HEATING FURNACES IN B-55	85.000 MCF/HR	NATURAL GAS
		585.000 Gal/HR	NO. 2 FUEL OIL
160A	EIGHT HEATING FURNACES IN B-48	90.000 MCF/HR	NATURAL GAS
		616.000 Gal/HR	NO. 2 FUEL OIL
169	#1 AOD PREHTR F-531, B-89	2.300 MCF/HR	NATURAL GAS
		5.000 Tons/HR	STEEL ALLOYS
		16.200 Gal/HR	NO. 2 FUEL OIL
171	AOD VESSEL #1	20.000 Tons/HR	STEEL ALLOYS
173A	FIVE TUNDISH HEATERS B-89 & 101	50.000 MCF/HR	NATURAL GAS
		345.000 Gal/HR	NO. 2 FUEL OIL
176	AOD VESSEL 2	20.000 Tons/HR	STEEL ALLOYS
177	ELECTRIC ARC FURNACE F	40.000 Tons/HR	STEEL ALLOYS
181	GRINDERS & BRAUN SAWS B-41	5.000 Tons/HR	STEEL ALLOYS
182A	TWO GENERAL FURNACES- B-68: F-1069 & 1188	10.000 MCF/HR	NATURAL GAS
		217.000 Gal/HR	NO. 2 FUEL OIL
185	20T WALK FURN #1 F643; B-112	17.200 MCF/HR	NATURAL GAS
		20.000 Tons/HR	STEEL ALLOYS
186	ROTARY FORGE FURN F-641; B-118	53.000 MCF/HR	NATURAL GAS
		22.000 Tons/HR	STEEL ALLOYS

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput		Fuel/Material
187	20T WALK FURN #2 F681; B-112	51.000	MCF/HR	NATURAL GAS
		20.000	Tons/HR	STEEL ALLOYS
189	AOD VESSEL #3 - B-113	40.000	Tons/HR	STEEL ALLOYS
192	COLD CLEAN PARTS WASHERS	50.000	Gal/HR	MINERAL SPIRITS
193	SCRAP CUT POWDER TORCH B-115	0.200	MCF/HR	NATURAL GAS
		3.400	Tons/HR	SCRAP STEEL
194	KEROSENE TREATMENT	3.000	Gal/HR	KEROSENE
195	TCE- WEB VAPOR DEGREASER	10.000	Lbs/HR	TRICHLOROETHYLE
200A	SIX ANNEALING FURNACE B-4	25.000	MCF/HR	NATURAL GAS
		171.000	Gal/HR	NO. 2 FUEL OIL
211A	LADLE HEATERS (TWELVE)	60.000	MCF/HR	NATURAL GAS
		411.000	Gal/HR	NO. 2 FUEL OIL
221A	COIL DRYING FURNACE B-154	0.625	MMBTU/HR	
223	#83 ANNEAL FURN F-332,B48	8.000	MCF/HR	NATURAL GAS
		55.000	Gal/HR	NO. 2 FUEL OIL
235A	SALT BATH DESCALE B-154			
235F	SALT BATH FURNACE B-154	8.000	MMBTU/HR	
242A	3 HEATING FURNACES & #87 ANNEALING FURNACE IN B-48A	30.000	MCF/HR	NATURAL GAS
		205.000	Gal/HR	NO. 2 FUEL OIL
251A	ONE HEATING FURNACE IN B-48B	40.000	MCF/HR	NATURAL GAS
		274.000	Gal/HR	NO. 2 FUEL OIL
283A	SIX HEATING FURNACES IN B-78	50.000	MCF/HR	NATURAL GAS
		342.000	Gal/HR	NO. 2 FUEL OIL
292A	ANNEAL FURN F925 & F926, B-105			
293	3000T #9 BATCH FURNACE F-724 B-78	12.000	MCF/HR	NATURAL GAS
		5.000	Tons/HR	STEEL ALLOYS
300	#14 ANNEAL FURNACE F-562 B-94	31.300	MCF/HR	NATURAL GAS
		20.000	Tons/HR	STEEL ALLOYS
302A	TWELVE MISC. HEATING PROCESSES	50.000	MCF/HR	NATURAL GAS
		342.000	Gal/HR	NO. 2 FUEL OIL
312A	EIGHT ANNEALING FURNACES IN B-120	30.000	MCF/HR	NATURAL GAS
		205.000	Gal/HR	NO. 2 FUEL OIL
320A	EIGHT HEAT FURNACES IN B-105	42.000	MCF/HR	NATURAL GAS
		288.000	Gal/HR	NO. 2 FUEL OIL
330A	ELEVEN #5 MILL FURNACES IN B-112	56.000	MCF/HR	NATURAL GAS
		384.000	Gal/HR	NO. 2 FUEL OIL
354A	FOUR ROTARY FORGE FURNACES IN B-118 & B-150	12.000	MCF/HR	NATURAL GAS
		82.000	Gal/HR	NO. 2 FUEL OIL
358	MEARZ 12T WALKING BEAM FUR F-755,B-118	18.900	MCF/HR	NATURAL GAS
		5.000	Tons/HR	STEEL ALLOYS
372	ROLLING MILL GENERATOR 1			
375	EMERGENCY GEN - COMPUTER CENTER	7.400	MMBTU/HR	

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput		Fuel/Material
376	EMERGENCY GEN - VACUUM INDUCTION MELT DEPT	7.900	MMBTU/HR	
377	EMERGENCY GEN - ELECTROSLAG	7.400	MMBTU/HR	
378	EMERGENCY GEN - CLEANING LINES	7.800	MMBTU/HR	
379	NON-EMERGENCY GENERATORS - VARIED LOC PRE-2006	5.400	MCF/HR	Natural Gas
379A	EMERGENCY GENERATORS - VARIED LOC PRE-2006	5.400	MCF/HR	Natural Gas
379B	EMERGENCY GENERATORS - VARIED LOC POST-2006	5.400	MCF/HR	Natural Gas
381	#4 ANNEALING FURNACE, F-476, B-94	26.000	MCF/HR	NATURAL GAS
385	MAKE-UP AIR UNITS	50.000	MCF/HR	NATURAL GAS
386	CU-MISC01 TIP HTRS, HOT BOX BURNERS	3.000	MCF/HR	NATURAL GAS
389	# 3 HOMO HEAT FURNACE F-783, B-118	4.700	MCF/HR	NATURAL GAS
390	3000T #6B BATCH FURNACE F-784, B-78	3.500	MCF/HR	NATURAL GAS
391	3000T #8 BATCH FURNACE F-785 B-78	14.600	MCF/HR	NATURAL GAS
392	#63 ANNEAL FURNACE, F-797, B-78	7.000	MCF/HR	NATURAL GAS
393	#64 ANNEAL FURNACE, F-798, B-78	7.000	MCF/HR	NATURAL GAS
394	#62 RECTANGULAR BELL FURN, F-796, B-48	6.500	MCF/HR	NATURAL GAS
395	#45 ROLLER RAIL FURNACE, F-799, B-120	16.400	MCF/HR	NATURAL GAS
396	#60 ANNEALING FURN F-800, B-120	12.000	MCF/HR	NATURAL GAS
397	#76 CAR BOTTOM FURNACE, F-801, B-120	8.600	MCF/HR	NATURAL GAS
398	CAR BOTTOM FURNACE F-802, B-120	8.600	MCF/HR	NATURAL GAS
400	BENCH NITRIC/HF TUBS NORTH B48	5.000	Tons/HR	STEEL ALLOYS
401	EMITTING UNIT GROUP OF B-1	5.000	Tons/HR	STEEL ALLOYS
402	EMITTING UNIT GROUP IN B-48	5.000	Tons/HR	STEEL ALLOYS
403	EMITTING UNIT GROUP IN B-55	20.000	Tons/HR	STEEL ALLOYS
404	EMITTING UNIT GROUP IN B-73	2.000	Tons/HR	STEEL ALLOYS
405	EMITTING UNIT GROUP IN B-75	2.000	Tons/HR	STEEL ALLOYS
406	EMITTING UNIT GROUP IN B-97	3.000	Tons/HR	STEEL ALLOYS
407	EMITTING UNIT GROUP IN B-101	5.000	Tons/HR	STEEL ALLOYS
408	EMITTING UNIT GROUP IN B-112	5.000	Tons/HR	STEEL ALLOYS
409	EMITTING UNIT GROUP IN B-118	5.000	Tons/HR	STEEL ALLOYS
410	EMITTING UNIT GROUP IN B-48A	5.000	Tons/HR	STEEL ALLOYS
411	EMITTING UNIT GROUP IN B-48L	5.000	Tons/HR	STEEL ALLOYS
412	EMITTING UNIT GROUP IN B-48X	5.000	Tons/HR	STEEL ALLOYS
414	DOUBLE DECK MOTOBLOCK, B-48	2.000	Tons/HR	STEEL ALLOYS
415	BELT POLISHER HEAD #1- B-118	5.000	Tons/HR	STEEL ALLOYS
417	CUT-OFF SAW IN B-118			
418	(6) ESR "A-F" & "I & J" FURNACE GROUP,B-84	2.500	Tons/HR	STEEL ALLOYS
419	COPPER PLATING LINE	5.000	Tons/HR	STEEL ALLOYS
421	ESR FURNACES "G" & "H" & "L" B-84	10.000	Tons/HR	STEEL ALLOYS
424	#5S STAND ROLLING MILL, STRIP	5.000	Tons/HR	STEEL ALLOYS

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
426	WELDING STATION B-30		
434	ABRASIVE CUT-OFF SAW B-118		
447	F-VIM FURNACE VIM BUILDING	1.000 Tons/HR	STEEL ALLOY
448	OIL QUENCH TANK- B-4	10.000 Tons/HR	QUENCH OIL
455	VAR FURNACES (4) BLDG 84		
456	VARIOUS AUXILIARY UNITS BLDG 84	15.000 MMBTU/HR	
461	#5 ANNEALING FURNACE F-892 B-VIM	8.000 MMBTU/HR	
462	#6 ANNEALING FURNACE F-893 B-VIM	8.000 MMBTU/HR	
463	#7 ANNEALING FURNACE F-894 B-VIM	8.000 MMBTU/HR	
464	#8 ANNEALING FURNACE F-895 B-VIM	8.000 MMBTU/HR	
471	#7 BATCH HEATING FURNACE F-830 B-118	12.000 MMBTU/HR	
472	#8 BATCH HEAT FURNACE F-886 B-118	12.000 MMBTU/HR	
473	#9 BATCH HEATING FURNACE F-887 B-118	12.000 MMBTU/HR	
475	BATCH HEATING FURNACE F-888 B-78	12.000 MMBTU/HR	
476	BATCH HEATING FURNACE F-889 B-78	12.000 MMBTU/HR	
477	BATCH HEATING FURNACE F-890 B-78	12.000 MMBTU/HR	
478	BATCH HEATING FURNACE F-891 B-78	12.000 MMBTU/HR	
484	REHEAT FURNACE K, B-112		
485	REHEAT FURNACE L, B-112		
500	FUEL STORAGE TANKS	10.000 Lbs/HR	GASOLINE
602	BALL TRACK ANNEAL FURN F-557-B-105	9.900 MCF/HR	NATURAL GAS
701	#6A REHEAT FURNACE F-806; B-78	14.600 MCF/HR	NATURAL GAS
702	#8B REHEAT FURNACE F-807; B-78	15.000 MCF/HR	NATURAL GAS
703	#4 HOMO REHEAT F-813; B-118	12.000 MCF/HR	NATURAL GAS
704	#5 HOMO BATCH REHEAT F-814; B-118	15.000 MCF/HR	NATURAL GAS
705	#6 HOMO REHEAT F-815; B-118	15.000 MCF/HR	NATURAL GAS
706	3000T #1 BATCH REHEAT F-816; B-78	15.000 MCF/HR	NATURAL GAS
707	3000T #3 BATCH REHEAT F-817; B-78	15.000 MCF/HR	NATURAL GAS
708	REHEAT FURNACE F-940, B-78	12.000 MCF/HR	Natural Gas
718	REHEAT FURNACE F-941, B-78	12.000 MCF/HR	Natural Gas
719	EBNER BELL ANNEALING FURNACE F-841,B-48B	2.800 MCF/HR	NATURAL GAS
720	HEAVY GAUGE VERTICAL FURNACE F-842 (B-48)	3.160 MCF/HR	NATURAL GAS
721	LT LINE #1 VERTICAL FURNACE F-843	3.160 MCF/HR	NATURAL GAS
722	LT LINE #2 VERTICAL FURNACE F-844	3.160 MCF/HR	NATURAL GAS
728	4000T PRESS BATCH FURNACE F-848; B-78	14.600 MCF/HR	NATURAL GAS
729	4000 TON PRESS BATCH FURNACE F-849	14.600 MCF/HR	NATURAL GAS
730	4000 TON PRESS BATCH FURNACE F-850	14.600 MCF/HR	NATURAL GAS
731	4000 T PRESS BATCH FURNACE F-851	14.600 MCF/HR	NATURAL GAS
732	4000 TON PRESS BATCH FURNACE F-852	14.600 MCF/HR	NATURAL GAS
733	4000 T PRESS BATCH FURNACE F-853	14.600 MCF/HR	NATURAL GAS

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
734	4000 TON PRESS BATCH FURNACE F-854	14.600 MCF/HR	NATURAL GAS
736	4000 TON PRESS BATCH FURNACE F-856	20.400 MCF/HR	NATURAL GAS
755	20HI COLD ROLLING MILL IN B-48B	5.000 Tons/HR	STEEL ALLOYS
756	WET STRIP GRINDER B-48B	5.000 Tons/HR	STEEL ALLOYS
771	F-794 LAUNDER PREHEAT WEST		
773	COIL BAKER OVEN N: F-839, B48B	2.000 MCF/HR	NATURAL GAS
774	COIL BAKER OVEN S: F-840, B48B	2.000 MCF/HR	NATURAL GAS
777	4000 TON PRESS BATCH FURNACE F-860	20.400 MCF/HR	NATURAL GAS
778	4000 TON PRESS BATCH FURNACE F-861	20.400 MCF/HR	NATURAL GAS
779	#11 ANNEALING FURNACE F-846	17.300 MCF/HR	NATURAL GAS
790	4500T DIE HEATING SYS F-866, B-78	13.600 MCF/HR	NATURAL GAS
C03A	SCRUBBER: HCL PICKLING B-154		
C04A	SCRUBBER: NITRIC PICKLING B-154		
C05	SCRUBBER: BENCH SOUTH CLEANING LN		
C07	SCRUBBER: STRIP CLEANING LINE #7 B-48B		
C08	SCRUBBER: ROD CLEANING LN B-48B		
C09	BAGHOUSE: ROD LN SHOT BLAST B-48B		
C10	MULTIPLE CYCLONE: 18" SWING GRINDER B-41		
C112	MIST ELIMINATOR: WET BELT GRINDER (STRIP MILL) B-48B		
C13	BAGHOUSE: MIDWEST GRINDERS #1 B-41		
C13A	BAGHOUSE: MIDWEST GRINDERS #1 B-41		
C14	BAGHOUSE: MIDWEST GRINDERS #2 B-41		
C15	BAGHOUSE: MIDWEST GRINDERS #3 B-41		
C16	BAGHOUSE: MIDWEST GRINDERS #4 B-41		
C17	BAGHOUSE: VULCAN GRINDER, B-41		
C19	BAGHOUSE: OLD MELT SHOP		
C193	BAGHOUSE: SCRAP TORCH B-115		
C25	BAGHOUSE: NEW MELT SHOP		
C32	BAGHOUSE: CELL SAWS & GRINDER CELL B-41		
C35A	SCRUBBER: SALT BATH DESCALE B-154		
C40	BAGHOUSE: ROTARY SLUDGE DRYER F-751;B-131		
C400	SCRUBBER: BENCH NITRIC/HF TUBS N B-48		
C41	BAGHOUSE: TRUCK FILL SPOUT (SLUDGE DRYER)		
C414	BAGHOUSE: DOUBLE DK MOTOBLOCK B-48		
C415	BAGHOUSE: BELT POLISHER HD #1&2 B-118		
C417	CUT-OFF SAW BAGHOUSE		
C418	LIME INJECTION: ESR A-F/I&J FURNACES B-84		
C418B	FABRIC COLLECTOR: ESR FURNACES A THRU F & I & J		
C42	BAGHOUSE: SLUDGE DRYER SILO		

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
C421	LIME INJECTION: ESR G&H&L FURNACES B-84		
C421A	BAGHOUSE: ESR G&H&L FURNACES B-84		
C426	FABRIC COLLECTOR: WELDING STA B-30		
C447	MIST ELIMINATOR: F-VIM FURNACE		
C755	ELIMINATOR: COLD ROLLING MILL, B-48B		
C756	ELIMINATOR: WET STRIP GRIND B-48B		
FM001	NATURAL GAS PIPELINE		
FM002	#2 FUEL OIL TANKS (3) T-706, T-707, T-708		
FM003	#2 FUEL OIL- TK T-584		
FM105	NATURAL GAS PIPELINE B-105		
FM108	NAT GAS PIPELINE- B-108		
S03A	STACK: HCL PICKLING SCRUBBER B-154		
S04A	STACK: NITRIC PICKLING SCRUBBER B-154		
S065	STACK: STRIP MILL BOILER F-863		
S112	STACK: WET BELT GRINDING (STRIP MILL) B-48B		
S11N	STACK: AIR MAKE UP BLDG 154		
S12	STACK: BENCH S CLEANING LN		
S14	STACK: STRIP CLEANING LN #7 B-48B		
S15	STACK: ROD CLEANING LN B-48B		
S16	STACK: ROD LINE SHOT BLAST B-48B		
S18	STACK: 18" SWING GRINDERS B-41		
S193	STACK: SCRAP CUT POWDER TORCH B-115		
S21	STACK: MIDWEST GRINDERS BLK #1 B-41		
S21A	STACK: MIDWEST GRINDERS #1 B-41		
S21F	STACK: COIL DRYING FURNACE B-154		
S22	STACK: MIDWEST GRINDERS BLK #2 B-41		
S23	STACK: MIDWEST GRINDERS BLK #3 B-41		
S24	STACK: MIDWEST GRINDERS BLK #4 B-41		
S25	STACK: VULCAN GRINDER, B-41		
S32	STACK: NEW MELT SHOP		
S35A	STACK: SALT BATH SCRUBBER B-154		
S372	ROLLING MILL GENERATOR 1 STACK		
S375	STACK: EMR GEN COMPUTER CENTER		
S376	STACK: EMR GEN VACUUM INDUCT OPR		
S377	STACK: EMGY GEN ELECTROSLAG		
S378	STACK: CLEANING LINE EMRGY GEN		
S379	STACKS: GENERATORS		
S39	STACK: CELL SAWS&GRINDER CELL B-41		
S40	STACK: ROTARY FORGE FURNACE B-118		
S400	STACK: BENCH NITRIC/HF TUBS NORTH B-48		

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
S41	STACK: ROTARY SLUDGE DRYER F-751		
S414	STACK: DOUBLE DECK MOTOBLOCK, B-48		
S415	STACK: BELT POLISHER HEAD #1&2 B-118		
S417	CUT-OFF SAW BAGHOUSE STACK		
S418	STACK: ESR "A-F"/"I&J" FURNACES, B-84		
S41A	STACKS: BOILERS IN SOURCE 041A		
S41B	STACKS: 041B UNITS		
S42	STACK: TRUCK FILL SPOUT (SLUDGE DRYER)		
S421	STACK: ESR FURNACES G&H&L B-84		
S426	STACK: WELDING STA B-30		
S434	STACK: ABRASIVE CUT-OFF SAW B-118		
S44	STACK: SLUDGE DRYER SILO		
S447	STACK: F-VIM FURNACE		
S47	STACK: #5 BOILLER F-645; B-48 (JOHNSTON)		
S48	STACK: #3 BOILER F-572; B-48 (C-B)		
S49	STACK: #4 BOILER F-573; B-48 (C-B)		
S53	STACK: #1 BOILER F-657; B-122		
S54	STACK: #2 BOILER F-658; B-122		
S59	STACKS: SPACE HEATERS		
S64	STACK: BOILER F-538; B-87		
S719	STACK: EBNER BELL ANNEAL FUR F-719, B-48B		
S755	STACK: COLD ROLLING MILL, B-48B		
S756	STACK: WET STRIP GRIND B-48B		
S773	F-773,B-48B,COIL NORTH		
S774	F-840,B48B,COIL OVEN S		
S85	STACK: 20T WALK FUR #1 F-643; B-112		
S87	STACK: 20T WALK FUR #2 F-681; B-112		
Z070	STECKEL MILL BURNER 1 EXHAUST		
Z071	STECKEL MILL BURNER 2 EXHAUST		
Z072	STECKEL MILL BURNER 3 EXHAUST		
Z073	STECKEL MILL BURNER 4 EXHAUST		
Z11	FUGITIVE: #1 AOD PREHEATER F-531; B-89		
Z12	ROOF VENT: OLD MELT SHOP C-19		
Z132	BATCH REHEAT FURNACE 1 EXHAUST		
Z133	BATCH REHEAT FURNACE 2 EXHAUST		
Z134	BATCH REHEAT FURNACE 3 EXHAUST		
Z145A	FUGITIVE: FOUR FURNACES IN B-1 (AIMS 145A)		
Z151A	FUGITIVE: SEVEN FURNACES IN B-2 (AIMS 151A)		
Z158A	FUGITIVE: SIX FURNACES IN B-55 (AIMS 158A)		
Z160A	FUGITIVE: EIGHT FURNACES IN B-48 (AIMS 160A)		
Z169	FUGITIVE: #1 AOD PREHTR F-531; B-89		

**SECTION A. Site Inventory List**

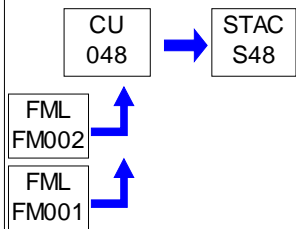
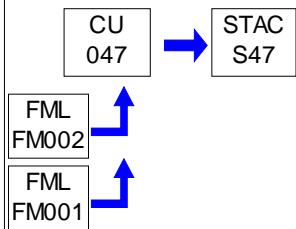
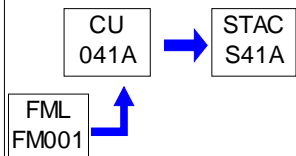
Source ID	Source Name	Capacity/Throughput	Fuel/Material
Z173A	FUGITIVE: 5 TUNDISH HEATERS IN B-89&101 (AIMS 173A)		
Z182A	FUGITIVE: TWO GENERAL FURN IN B-68 (AIMS 182A)		
Z192	FUGITIVE: COLD CLEAN PARTS WASHERS		
Z200A	FUGITIVE: SIX ANNEAL FUR IN B-4 (AIMS 200A)		
Z211A	FUGITIVE: LADLE HEATERS (11) IN B-89 (AIMS 211A)		
Z223	FUGITIVE: #83 ANNEAL FUR F-332; B-48		
Z242A	FUGITIVE: 3 HEATING FURN IN B-48A (AIMS 242A)		
Z251A	FUGITIVE: ONE HEATING FURN IN B-48B (AIMS 251A)		
Z283A	FUGITIVE: SEVEN HEATING FURN IN B-78 (AIMS 283A)		
Z292A	NEW ANNEAL FURNACES IN B-105		
Z293	FUGITIVE: 3000T #9 BATCH FURN F-724; B-78		
Z296A	BATCH REHEAT F-916; B78		
Z300	FUGITIVE: #14 ANNEAL FURN F-562; B-94		
Z302A	FUGITIVE: 10 MISC HEATING PROCESS (AIMS 302A)		
Z312A	FUGITIVE: 7 ANNEAL FURN IN B-120 (AIMS 312A)		
Z320A	FUGITIVE: 8 HEATING FURN IN B-105 (AIMS 320A)		
Z330A	FUGITIVE: 11 #5 MILL FURN IN B-112 (AIMS 330A)		
Z354A	FUGITIVE: 4 ROTARY FORGE FURN IN B-118 & B-150 (AIMS 354A)		
Z358	FUGITIVE: MEARZ 12T WALK BEAM FUR F-755; B-118		
Z381	FUGITIVE: #4 ANNEAL FURN F-476; B-94		
Z385	FUGITIVE: MAKE-UP AIR UNITS (AIMS 385)		
Z386	CU-MISC01TIP HTRS, HOT BOX & BURNERS (AIMS 386)		
Z389	FUGITIVE: #3 HOMO HEAT FURNACE F-783; B-118		
Z390	FUGITIVE: 3000T #6B BATCH FURN F-784; B-78		
Z391	FUGITIVE: 3000T #8 BATCH FURN F-785; B-78		
Z392	FUGITIVE: #63 ANNEAL FURN F-797; B-78		
Z393	FUGITIVE: #64 ANNEAL FURN F-798; B-78		
Z394	FUGITIVE: #62 RECT BELL FURN F-796; B-48		
Z395	FUGITIVE: #45 ROLLER RAIL FURN F799; B-120		
Z396	FUGITIVE: #60 ANNEAL FURN F-800; B-120		
Z397	FUGITIVE: #76 CAR BOTTOM FURN F-801; B-120		
Z398	FUGITIVE: CAR BOTTOM FURN F-802; B-120		
Z401	ROOF VENT: EMITTING GROUP B-1 (AIMS 401)		
Z402	ROOF VENT: EMITTING GROUP B-48 (AIMS 402)		
Z403	ROOF VENT: EMITTING GROUP B-55 (AIMS 403)		
Z404	ROOF VENT: EMITTING GROUP B-73 (AIMS 404)		
Z405	ROOF VENT: EMITTING GROUP B-75 (AIMS 405)		

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
Z406	ROOF VENT: EMITTING GROUP B-97 (AIMS 406)		
Z407	ROOF VENT: EMITTING GROUP B-101 (AIMS 407)		
Z408	ROOF VENT: EMITTING GROUP B-112 (AIMS 408)		
Z409	ROOF VENT: EMITTING GROUP B-118 (AIMS 409)		
Z410	ROOF VENT: EMITTING GROUP B-48A (AIMS 410)		
Z411	ROOF VENT: EMITTING GROUP B-48L (AIMS 411)		
Z412	ROOF VENT: EMITTING GROUP B-48X (AIMS 412)		
Z419	FUGITIVE: COPPER PLATING LINE B-48		
Z424	FUGITIVE: #5S STAND ROLLING MILL, STRIP B-55		
Z448	FUGITIVE: OIL QUENCH TANK B-4		
Z455	FUGITIVE: VAR FURNACES (8) BLDG 84		
Z456	FUGITIVE: VARIOUS AUXILIARY UNITS BLDG 84		
Z461	FUGITIVE: #5 ANNEALING FURNACE F-892 B-VIM		
Z462	FUGITIVE: #6 ANNEALING FURNACE F-893 B-VIM		
Z463	FUGITIVE: #7 ANNEALING FURNACE F-894 B-VIM		
Z464	FUGITIVE: #8 ANNEALING FURNACE F-895 B-VIM		
Z471	FUGITIVE: #7 BATCH HEATING FURNACE F-830 B-118		
Z472	FUGITIVE: #8 BATCH HEATING FURNACE F-886 B-118		
Z473	FUGITIVE: #9 BATCH HEATING FURNACE F-887 B-118		
Z475	FUGITIVE: BATCH HEATING FURNACE F-888 B-78		
Z476	FUGITIVE: BATCH HEATING FURNACE F-889 B-78		
Z477	FUGITIVE: BATCH HEATING FURNACE F-890 B-78		
Z478	FUGITIVE: BATCH HEATING FURNACE F-891 B-78		
Z484	FUGITIVE: REHEAT FURNACE A, B-112		
Z485	FUGITIVE: REHEAT FURNACE, B-112		
Z500	FUGITIVE: FUEL STORAGE TANKS		
Z602	FUGITIVE: BALL TRACK ANNEAL FURN F-557; B-105		
Z701	FUGITIVE: #6A REHEAT FURN F-806; B-78		
Z702	FUGITIVE: #8B REHEAT FURN F-807; B-78		
Z703	FUGITIVE: #4 HOMO REHEAT F-813; B-118		
Z704	FUGITIVE: #5 HOMO REHEAT F-814; B-118		
Z705	FUGITIVE #6 HOMO REHEAT F-815; B-118		
Z706	FUGITIVE 3000T #1 BATCH REHEAT F-816; B-78		
Z707	FUGITIVE: 3000T #3 BATCH REHEAT F-817; B-78		
Z708	FUGITIVE: REHEAT FURNACE F-940		
Z709	LAUNDRER PREHEAT EAST		
Z718	FUGITIVE: REHEAT FURNACE F-941		
Z720	FUGITIVE: HEAVY GAUGE VERT FN F-842; B-48		
Z721	FUGITIVE: MED GAUGE VERT FN F-843; B-48		

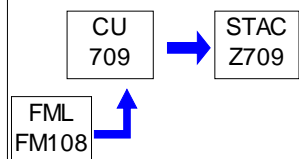
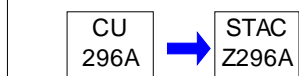
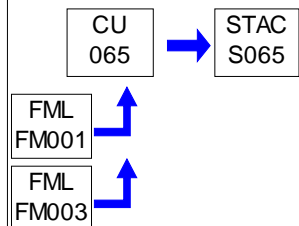
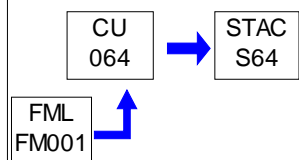
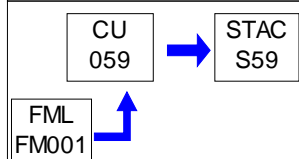
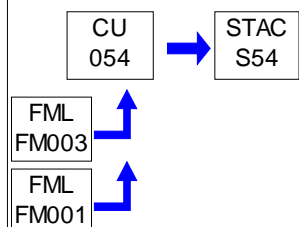
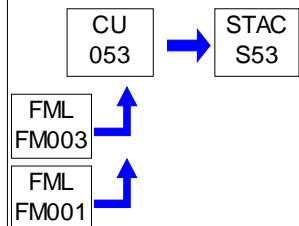
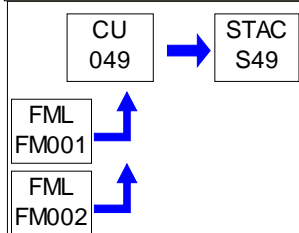
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
Z722	FUGITIVE: MED GAUGE VERT FN F-844; B-48		
Z728	FUGITIVE: 4000 T PRESS BATCH FURN F-848		
Z729	FUGITIVE: 4000T PRESS FURN F-849; B-78		
Z730	FUGITIVE: 4000T PRESS BATCH FUR F-730; B-48		
Z731	FUGITIVE: 4000T PRESS BATCH FUR F-851		
Z732	FUGITIVE: 4000T PRESS BATCH FUR F-852		
Z733	FUGITIVE: 4000T PRESS BATCH FUR F-853		
Z734	FUGITIVE: 4000T PRESS BATCH FUR F-854		
Z736	FUGITIVE: 4000 T PRESS BATCH FURNACE- F-856		
Z771	F-794 LAUNDRER HEAT WEST		
Z777	FUGITIVE: 4000T PRESS BATCH FURN F-860; B-78		
Z778	FUGITIVE: 4000T PRESS BATCH FURN F-861; B-78		
Z779	FUGITIVE: #11 ANNEALING FURN F-846; B-78		
Z790	FUGITIVE: 4500 T DIE HEATING SYS F-866		
Z93	FUGITIVE: SCRAP CUT POWDER TORCH (AIMS 193) B-115		
Z94	FUGITIVE: KEROSENE TREATMENT (AIMS 194; B-115)		
Z95	FUGITIVE: TCE-WEB VAPOR DEGREASER B-48B		

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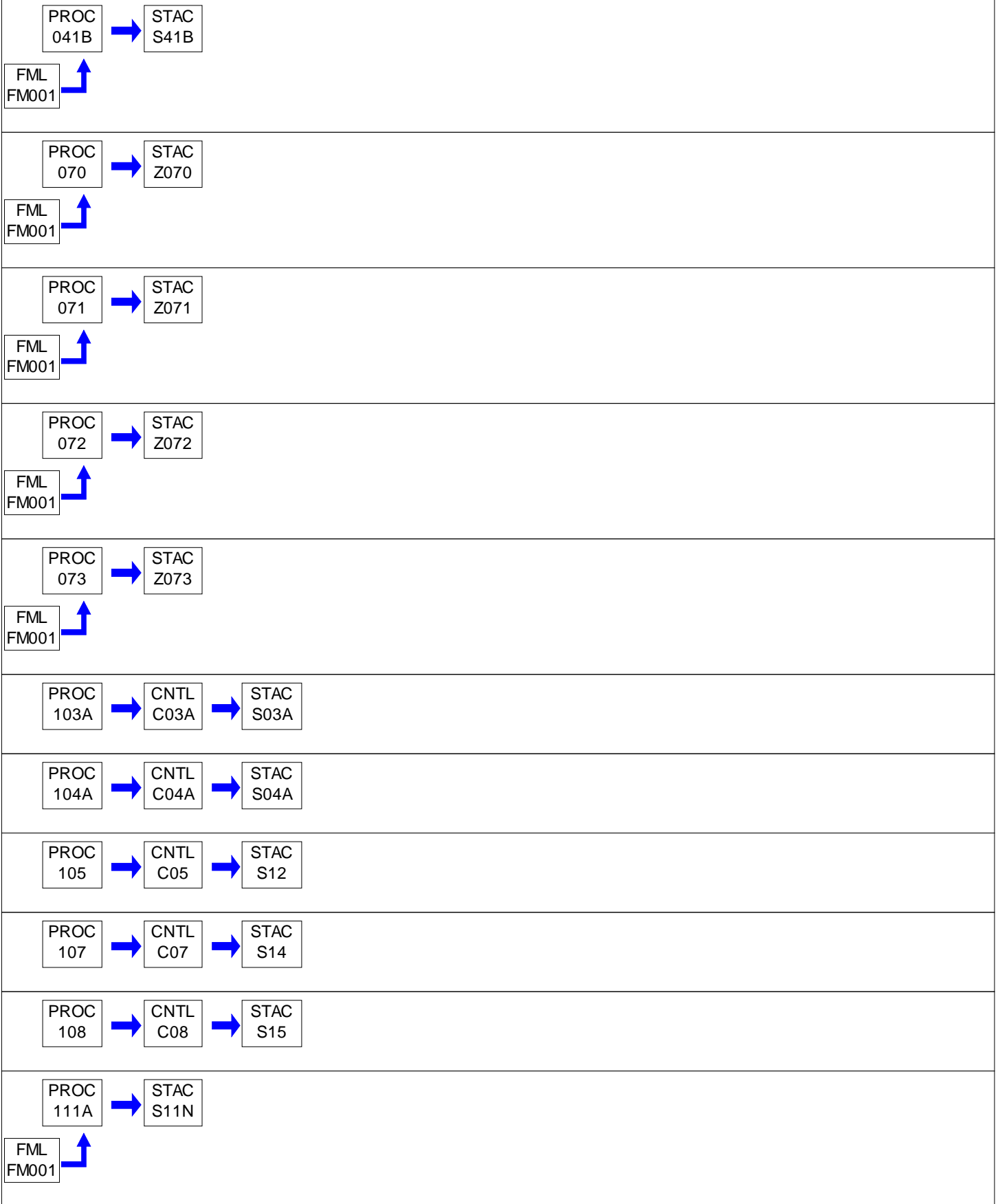


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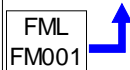
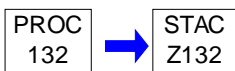
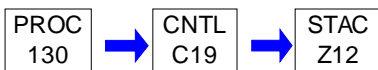
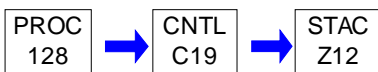
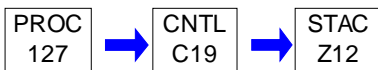
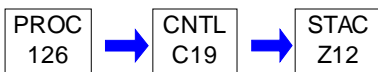
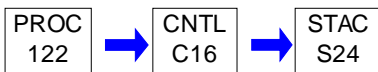
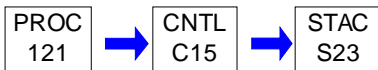
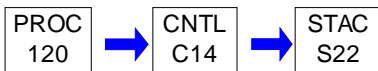
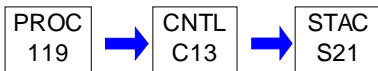
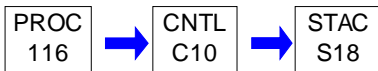
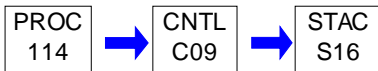
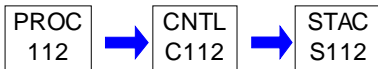


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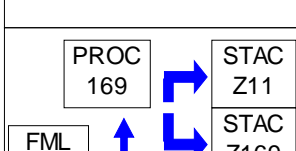
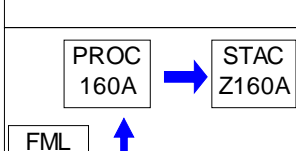
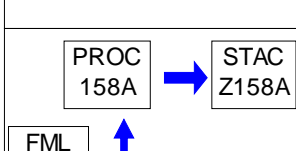
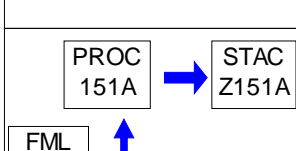
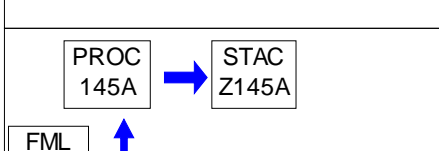
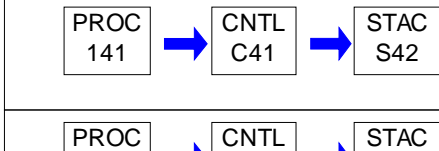
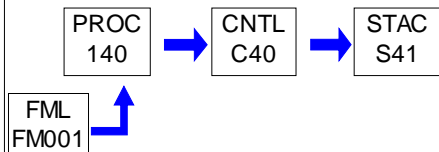
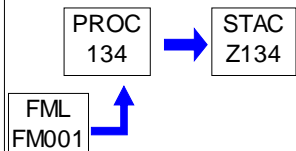
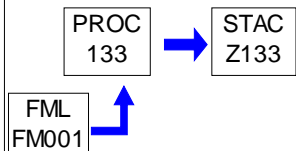


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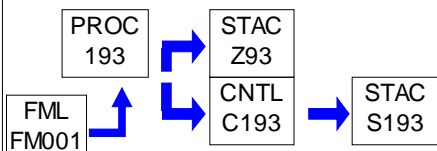
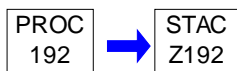
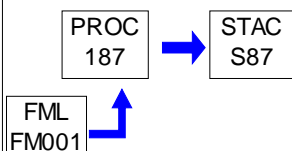
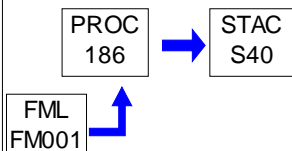
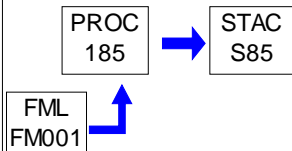
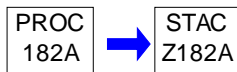
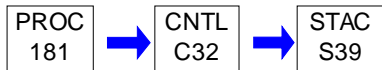
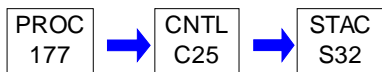
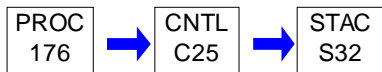
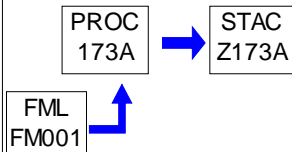
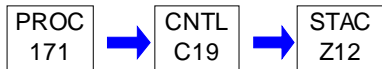


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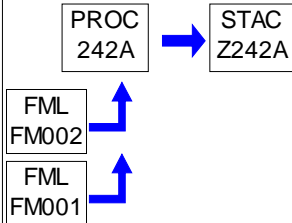
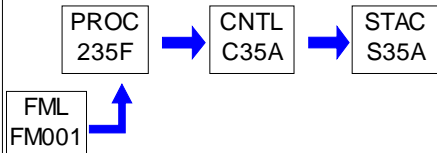
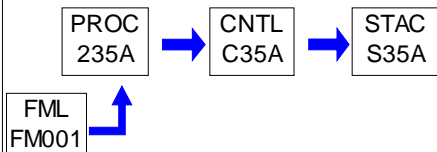
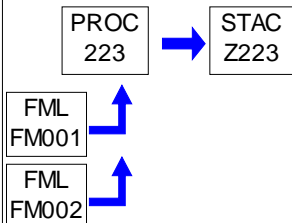
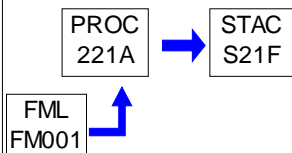
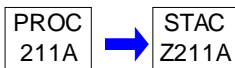
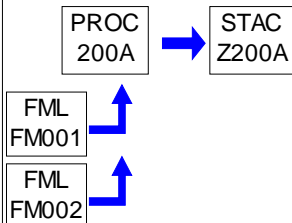
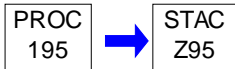
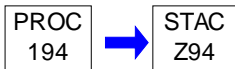


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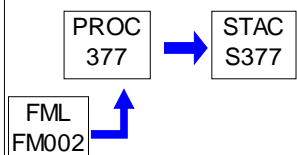
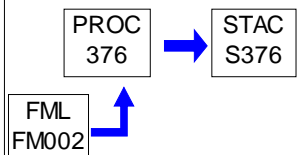
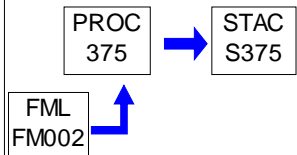
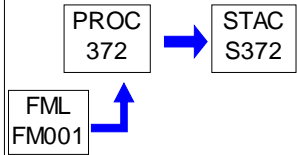
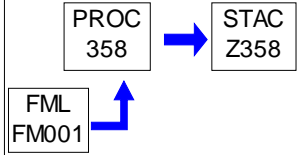
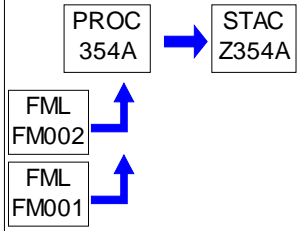
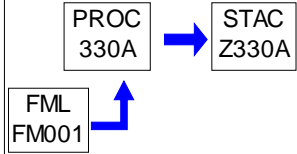
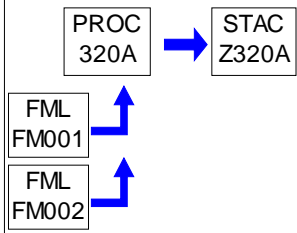


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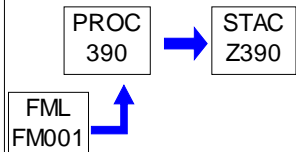
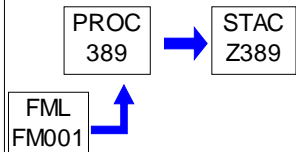
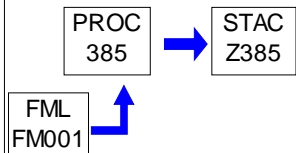
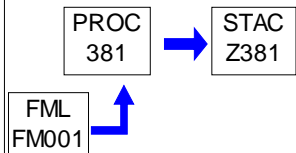
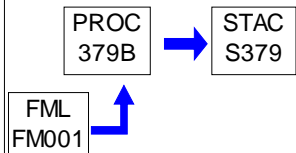
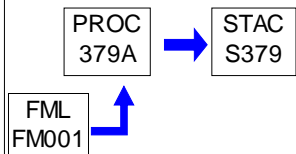
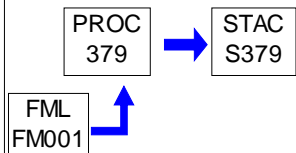
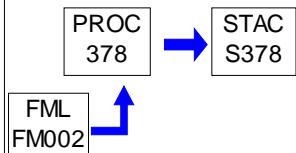


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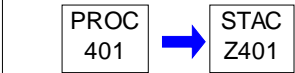
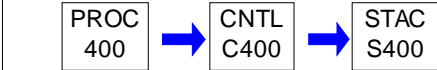
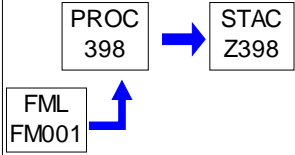
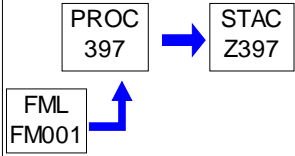
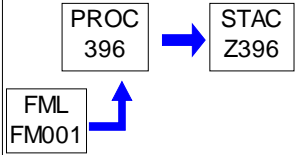
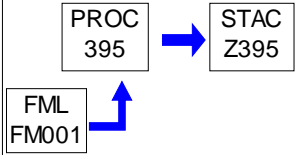
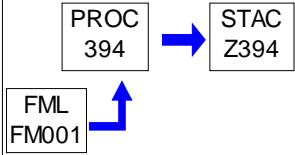
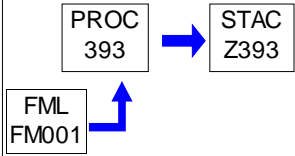
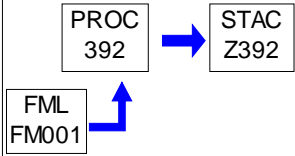
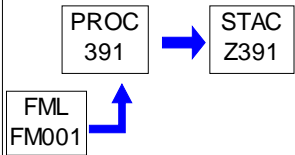


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PROC
402 → STAC
Z402

PROC
403 → STAC
Z403

PROC
404 → STAC
Z404

PROC
405 → STAC
Z405

PROC
406 → STAC
Z406

PROC
407 → STAC
Z407

PROC
408 → STAC
Z408

PROC
409 → STAC
Z409

PROC
410 → STAC
Z410

PROC
411 → STAC
Z411

PROC
412 → STAC
Z412

PROC
414 → CNTL
C414 → STAC
S414

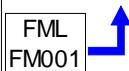
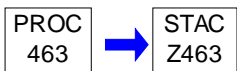
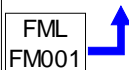
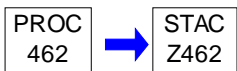
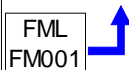
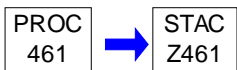
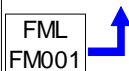
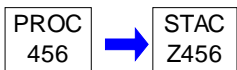
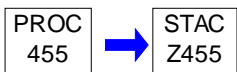
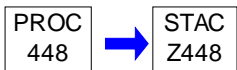
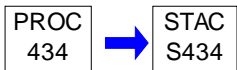
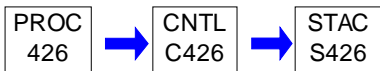
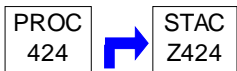
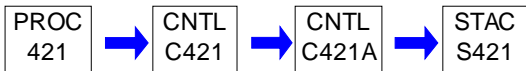
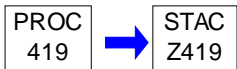
PROC
415 → CNTL
C415 → STAC
S415

PROC
417 → CNTL
C417 → STAC
S417

PROC
418 → CNTL
C418 → CNTL
C418B → STAC
S418

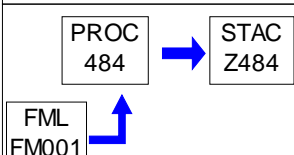
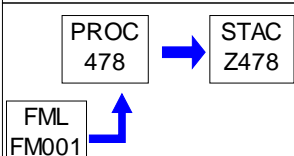
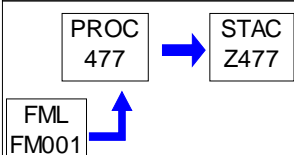
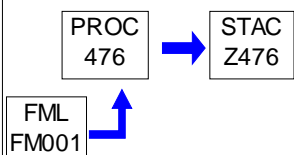
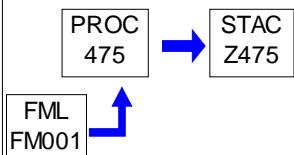
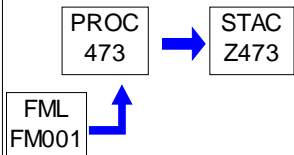
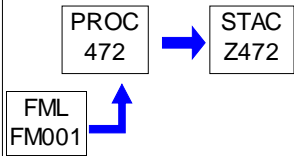
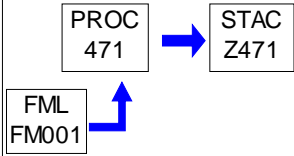
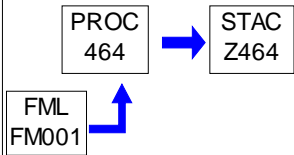


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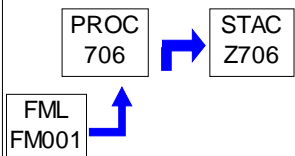
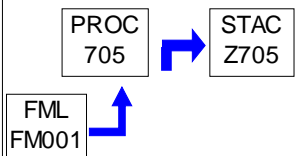
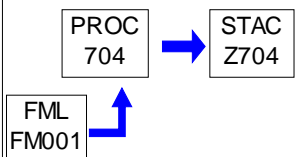
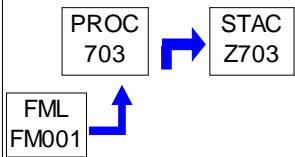
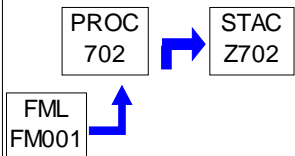
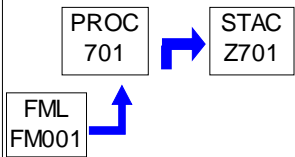
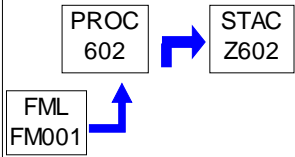
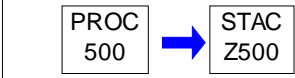
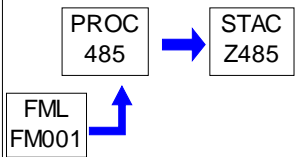


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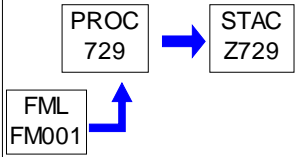
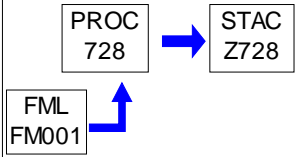
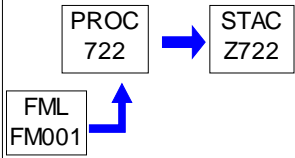
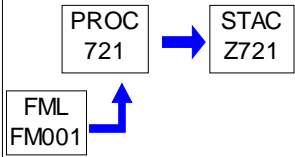
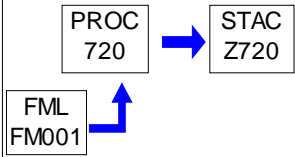
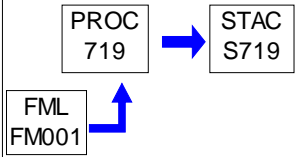
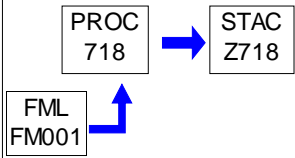
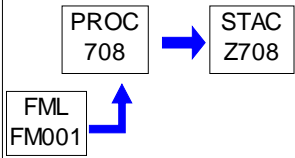
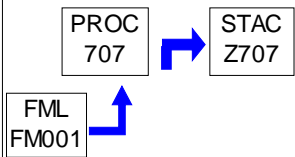


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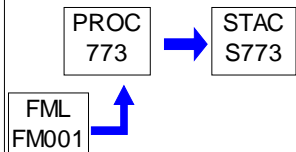
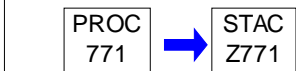
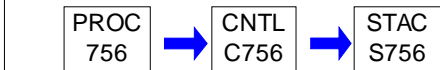
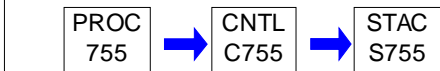
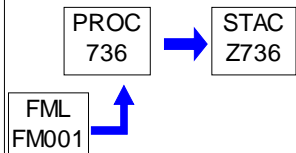
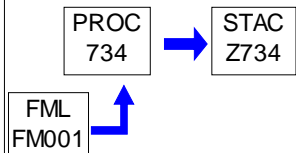
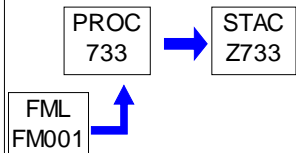
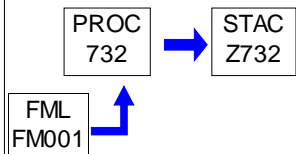
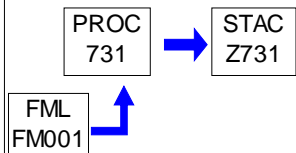
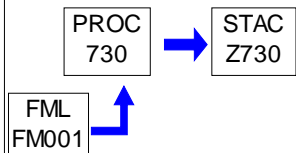


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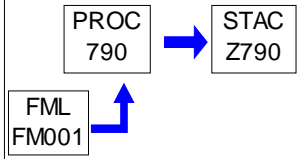
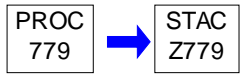
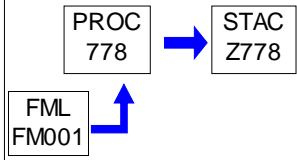
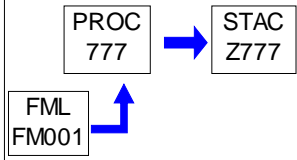
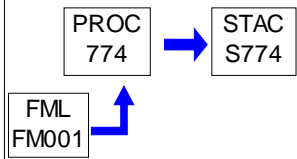


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**SECTION B. General Title V Requirements****#001 [25 Pa. Code § 121.1]****Definitions**

Words and terms that are not otherwise defined in this permit shall have the meanings set forth in Section 3 of the Air Pollution Control Act (35 P.S. § 4003) and 25 Pa. Code § 121.1.

#002 [25 Pa. Code § 121.7]**Prohibition of Air Pollution**

No person may permit air pollution as that term is defined in the act.

#003 [25 Pa. Code § 127.512(c)(4)]**Property Rights**

This permit does not convey property rights of any sort, or any exclusive privileges.

#004 [25 Pa. Code § 127.446(a) and (c)]**Permit Expiration**

This operating permit is issued for a fixed term of five (5) years and shall expire on the date specified on Page 1 of this permit. The terms and conditions of the expired permit shall automatically continue pending issuance of a new Title V permit, provided the permittee has submitted a timely and complete application and paid applicable fees required under 25 Pa. Code Chapter 127, Subchapter I and the Department is unable, through no fault of the permittee, to issue or deny a new permit before the expiration of the previous permit. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.

#005 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446(e), 127.503 & 127.704(b)]**Permit Renewal**

(a) An application for the renewal of the Title V permit shall be submitted to the Department at least six (6) months, and not more than 18 months, before the expiration date of this permit. The renewal application is timely if a complete application is submitted to the Department's Regional Air Manager within the timeframe specified in this permit condition.

(b) The application for permit renewal shall include the current permit number, the appropriate permit renewal fee, a description of any permit revisions and off-permit changes that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. The fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" and submitted with the fee form to the respective regional office.

(c) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413. The application for renewal of the Title V permit shall also include submission of compliance review forms which have been used by the permittee to update information submitted in accordance with either 25 Pa. Code § 127.412(b) or § 127.412(j).

(d) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information during the permit renewal process. The permittee shall also promptly provide additional information as necessary to address any requirements that become applicable to the source after the date a complete renewal application was submitted but prior to release of a draft permit.

#006 [25 Pa. Code §§ 127.450(a)(4) & 127.464(a)]**Transfer of Ownership or Operational Control**

(a) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership or operational control of the source shall be treated as an administrative amendment if:

- (1) The Department determines that no other change in the permit is necessary;
- (2) A written agreement has been submitted to the Department identifying the specific date of the transfer of permit responsibility, coverage and liability between the current and the new permittee; and,
- (3) A compliance review form has been submitted to the Department and the permit transfer has been approved by

**SECTION B. General Title V Requirements**

the Department.

(b) In accordance with 25 Pa. Code § 127.464(a), this permit may not be transferred to another person except in cases of transfer-of-ownership which are documented and approved to the satisfaction of the Department.

#007 [25 Pa. Code § 127.513, 35 P.S. § 4008 and § 114 of the CAA]**Inspection and Entry**

(a) Upon presentation of credentials and other documents as may be required by law for inspection and entry purposes, the permittee shall allow the Department of Environmental Protection or authorized representatives of the Department to perform the following:

- (1) Enter at reasonable times upon the permittee's premises where a Title V source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit;
- (2) Have access to and copy or remove, at reasonable times, records that are kept under the conditions of this permit;
- (3) Inspect at reasonable times, facilities, equipment including monitoring and air pollution control equipment, practices, or operations regulated or required under this permit;
- (4) Sample or monitor, at reasonable times, substances or parameters, for the purpose of assuring compliance with the permit or applicable requirements as authorized by the Clean Air Act, the Air Pollution Control Act, or the regulations promulgated under the Acts.

(b) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act.

(c) Nothing in this permit condition shall limit the ability of the EPA to inspect or enter the premises of the permittee in accordance with Section 114 or other applicable provisions of the Clean Air Act.

#008 [25 Pa. Code §§ 127.25, 127.444, & 127.512(c)(1)]**Compliance Requirements**

(a) The permittee shall comply with the conditions of this permit. Noncompliance with this permit constitutes a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one (1) or more of the following:

- (1) Enforcement action
- (2) Permit termination, revocation and reissuance or modification
- (3) Denial of a permit renewal application

(b) A person may not cause or permit the operation of a source, which is subject to 25 Pa. Code Article III, unless the source(s) and air cleaning devices identified in the application for the plan approval and operating permit and the plan approval issued to the source are operated and maintained in accordance with specifications in the applications and the conditions in the plan approval and operating permit issued by the Department. A person may not cause or permit the operation of an air contamination source subject to 25 Pa. Code Chapter 127 in a manner inconsistent with good operating practices.

(c) For purposes of Sub-condition (b) of this permit condition, the specifications in applications for plan approvals and operating permits are the physical configurations and engineering design details which the Department determines are essential for the permittee's compliance with the applicable requirements in this Title V permit.

#009 [25 Pa. Code § 127.512(c)(2)]**Need to Halt or Reduce Activity Not a Defense**

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

**SECTION B. General Title V Requirements****#010 [25 Pa. Code §§ 127.411(d) & 127.512(c)(5)]****Duty to Provide Information**

(a) The permittee shall furnish to the Department, within a reasonable time, information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit, or to determine compliance with the permit.

(b) Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to keep by this permit, or for information claimed to be confidential, the permittee may furnish such records directly to the Administrator of EPA along with a claim of confidentiality.

#011 [25 Pa. Code §§ 127.463, 127.512(c)(3) & 127.542]**Reopening and Revising the Title V Permit for Cause**

(a) This Title V permit may be modified, revoked, reopened and reissued or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay a permit condition.

(b) This permit may be reopened, revised and reissued prior to expiration of the permit under one or more of the following circumstances:

(1) Additional applicable requirements under the Clean Air Act or the Air Pollution Control Act become applicable to a Title V facility with a remaining permit term of three (3) or more years prior to the expiration date of this permit. The Department will revise the permit as expeditiously as practicable but not later than 18 months after promulgation of the applicable standards or regulations. No such revision is required if the effective date of the requirement is later than the expiration date of this permit, unless the original permit or its terms and conditions has been extended.

(2) Additional requirements, including excess emissions requirements, become applicable to an affected source under the acid rain program. Upon approval by the Administrator of EPA, excess emissions offset plans for an affected source shall be incorporated into the permit.

(3) The Department or the EPA determines that this permit contains a material mistake or inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.

(4) The Department or the Administrator of EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

(c) Proceedings to revise this permit shall follow the same procedures which apply to initial permit issuance and shall affect only those parts of this permit for which cause to revise exists. The revision shall be made as expeditiously as practicable.

(d) Regardless of whether a revision is made in accordance with (b)(1) above, the permittee shall meet the applicable standards or regulations promulgated under the Clean Air Act within the time frame required by standards or regulations.

#012 [25 Pa. Code § 127.543]**Reopening a Title V Permit for Cause by EPA**

As required by the Clean Air Act and regulations adopted thereunder, this permit may be modified, reopened and reissued, revoked or terminated for cause by EPA in accordance with procedures specified in 25 Pa. Code § 127.543.

#013 [25 Pa. Code § 127.522(a)]**Operating Permit Application Review by the EPA**

The applicant may be required by the Department to provide a copy of the permit application, including the compliance plan, directly to the Administrator of the EPA. Copies of title V permit applications to EPA, pursuant to 25 PA Code §127.522(a), shall be submitted, if required, to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

**SECTION B. General Title V Requirements****#014 [25 Pa. Code § 127.541]****Significant Operating Permit Modifications**

When permit modifications during the term of this permit do not qualify as minor permit modifications or administrative amendments, the permittee shall submit an application for significant Title V permit modifications in accordance with 25 Pa. Code § 127.541. Notifications to EPA, pursuant to 25 PA Code §127.522(a), if required, shall be submitted, to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

#015 [25 Pa. Code §§ 121.1 & 127.462]**Minor Operating Permit Modifications**

The permittee may make minor operating permit modifications (as defined in 25 Pa. Code §121.1), on an expedited basis, in accordance with 25 Pa. Code §127.462 (relating to minor operating permit modifications). Notifications to EPA, pursuant to 25 PA Code §127.462(c), if required, shall be submitted, to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

#016 [25 Pa. Code § 127.450]**Administrative Operating Permit Amendments**

(a) The permittee may request administrative operating permit amendments, as defined in 25 Pa. Code §127.450(a). Copies of request for administrative permit amendment to EPA, pursuant to 25 PA Code §127.450(c)(1), if required, shall be submitted to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

(b) Upon final action by the Department granting a request for an administrative operating permit amendment covered under §127.450(a)(5), the permit shield provisions in 25 Pa. Code § 127.516 (relating to permit shield) shall apply to administrative permit amendments incorporated in this Title V Permit in accordance with §127.450(c), unless precluded by the Clean Air Act or the regulations thereunder.

#017 [25 Pa. Code § 127.512(b)]**Severability Clause**

The provisions of this permit are severable, and if any provision of this permit is determined by the Environmental Hearing Board or a court of competent jurisdiction, or US EPA to be invalid or unenforceable, such a determination will not affect the remaining provisions of this permit.

#018 [25 Pa. Code §§ 127.704, 127.705 & 127.707]**Fee Payment**

(a) The permittee shall pay fees to the Department in accordance with the applicable fee schedules in 25 Pa. Code Chapter 127, Subchapter I (relating to plan approval and operating permit fees). The applicable fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" with the permit number clearly indicated and submitted to the respective regional office.

(b) Emission Fees. The permittee shall, on or before September 1st of each year, pay applicable annual Title V emission fees for emissions occurring in the previous calendar year as specified in 25 Pa. Code § 127.705. The permittee is not required to pay an emission fee for emissions of more than 4,000 tons of each regulated pollutant emitted from the facility.

(c) As used in this permit condition, the term "regulated pollutant" is defined as a VOC, each pollutant regulated under Sections 111 and 112 of the Clean Air Act and each pollutant for which a National Ambient Air Quality Standard has been promulgated, except that carbon monoxide is excluded.

**SECTION B. General Title V Requirements**

(d) Late Payment. Late payment of emission fees will subject the permittee to the penalties prescribed in 25 Pa. Code § 127.707 and may result in the suspension or termination of the Title V permit. The permittee shall pay a penalty of fifty percent (50%) of the fee amount, plus interest on the fee amount computed in accordance with 26 U.S.C.A. § 6621(a)(2) from the date the emission fee should have been paid in accordance with the time frame specified in 25 Pa. Code § 127.705(c).

(e) The permittee shall pay an annual operating permit maintenance fee according to the following fee schedule established in 25 Pa. Code § 127.704(d) on or before December 31 of each year for the next calendar year.

(1) Eight thousand dollars (\$8,000) for calendar years 2021—2025.

(2) Ten thousand dollars (\$10,000) for calendar years 2026—2030.

(3) Twelve thousand five hundred dollars (\$12,500) for the calendar years beginning with 2031.

#019 [25 Pa. Code §§ 127.14(b) & 127.449]**Authorization for De Minimis Emission Increases**

(a) This permit authorizes de minimis emission increases from a new or existing source in accordance with 25 Pa. Code §§ 127.14 and 127.449 without the need for a plan approval or prior issuance of a permit modification. The permittee shall provide the Department with seven (7) days prior written notice before commencing any de minimis emissions increase that would result from either: (1) a physical change of minor significance under § 127.14(c)(1); or (2) the construction, installation, modification or reactivation of an air contamination source. The written notice shall:

(1) Identify and describe the pollutants that will be emitted as a result of the de minimis emissions increase.

(2) Provide emission rates expressed in tons per year and in terms necessary to establish compliance consistent with any applicable requirement.

The Department may disapprove or condition de minimis emission increases at any time.

(b) Except as provided below in (c) and (d) of this permit condition, the permittee is authorized during the term of this permit to make de minimis emission increases (expressed in tons per year) up to the following amounts without the need for a plan approval or prior issuance of a permit modification:

(1) Four tons of carbon monoxide from a single source during the term of the permit and 20 tons of carbon monoxide at the facility during the term of the permit.

(2) One ton of NO_x from a single source during the term of the permit and 5 tons of NO_x at the facility during the term of the permit.

(3) One and six-tenths tons of the oxides of sulfur from a single source during the term of the permit and 8.0 tons of oxides of sulfur at the facility during the term of the permit.

(4) Six-tenths of a ton of PM₁₀ from a single source during the term of the permit and 3.0 tons of PM₁₀ at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.

(5) One ton of VOCs from a single source during the term of the permit and 5.0 tons of VOCs at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.

(c) In accordance with § 127.14, the permittee may install the following minor sources without the need for a plan approval:

(1) Air conditioning or ventilation systems not designed to remove pollutants generated or released from other sources.

(2) Combustion units rated at 2,500,000 or less Btu per hour of heat input.

**SECTION B. General Title V Requirements**

(3) Combustion units with a rated capacity of less than 10,000,000 Btu per hour heat input fueled by natural gas supplied by a public utility, liquefied petroleum gas or by commercial fuel oils which are No. 2 or lighter, viscosity less than or equal to 5.82 c St, and which meet the sulfur content requirements of 25 Pa. Code § 123.22 (relating to combustion units). For purposes of this permit, commercial fuel oil shall be virgin oil which has no reprocessed, recycled or waste material added.

(4) Space heaters which heat by direct heat transfer.

(5) Laboratory equipment used exclusively for chemical or physical analysis.

(6) Other sources and classes of sources determined to be of minor significance by the Department.

(d) This permit does not authorize de minimis emission increases if the emissions increase would cause one or more of the following:

(1) Increase the emissions of a pollutant regulated under Section 112 of the Clean Air Act except as authorized in Subparagraphs (b)(4) and (5) of this permit condition.

(2) Subject the facility to the prevention of significant deterioration requirements in 25 Pa. Code Chapter 127, Subchapter D and/or the new source review requirements in Subchapter E.

(3) Violate any applicable requirement of the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.

(4) Changes which are modifications under any provision of Title I of the Clean Air Act and emission increases which would exceed the allowable emissions level (expressed as a rate of emissions or in terms of total emissions) under the Title V permit.

(e) Unless precluded by the Clean Air Act or the regulations thereunder, the permit shield described in 25 Pa. Code § 127.516 (relating to permit shield) shall extend to the changes made under 25 Pa. Code § 127.449 (relating to de minimis emission increases).

(f) Emissions authorized under this permit condition shall be included in the monitoring, recordkeeping and reporting requirements of this permit.

(g) Except for de minimis emission increases allowed under this permit, 25 Pa. Code § 127.449, or sources and physical changes meeting the requirements of 25 Pa. Code § 127.14, the permittee is prohibited from making physical changes or engaging in activities that are not specifically authorized under this permit without first applying for a plan approval. In accordance with § 127.14(b), a plan approval is not required for the construction, modification, reactivation, or installation of the sources creating the de minimis emissions increase.

(h) The permittee may not meet de minimis emission threshold levels by offsetting emission increases or decreases at the same source.

#020 [25 Pa. Code §§ 127.11a & 127.215]**Reactivation of Sources**

(a) The permittee may reactivate a source at the facility that has been out of operation or production for at least one year, but less than or equal to five (5) years, if the source is reactivated in accordance with the requirements of 25 Pa. Code §§ 127.11a and 127.215. The reactivated source will not be considered a new source.

(b) A source which has been out of operation or production for more than five (5) years but less than 10 years may be reactivated and will not be considered a new source if the permittee satisfies the conditions specified in 25 Pa. Code § 127.11a(b).

#021 [25 Pa. Code §§ 121.9 & 127.216]**Circumvention**

(a) The owner of this Title V facility, or any other person, may not circumvent the new source review requirements of 25 Pa. Code Chapter 127, Subchapter E by causing or allowing a pattern of ownership or development, including the

**SECTION B. General Title V Requirements**

phasing, staging, delaying or engaging in incremental construction, over a geographic area of a facility which, except for the pattern of ownership or development, would otherwise require a permit or submission of a plan approval application.

(b) No person may permit the use of a device, stack height which exceeds good engineering practice stack height, dispersion technique or other technique which, without resulting in reduction of the total amount of air contaminants emitted, conceals or dilutes an emission of air contaminants which would otherwise be in violation of this permit, the Air Pollution Control Act or the regulations promulgated thereunder, except that with prior approval of the Department, the device or technique may be used for control of malodors.

#022 [25 Pa. Code §§ 127.402(d) & 127.513(1)]**Submissions**

(a) Reports, test data, monitoring data, notifications and requests for renewal of the permit shall be submitted to the:

Regional Air Program Manager
PA Department of Environmental Protection
(At the address given on the permit transmittal letter, or otherwise notified)

(b) Any report or notification for the EPA Administrator or EPA Region III should be addressed to:

Enforcement & Compliance Assurance Division
Air, RCRA and Toxics Branch (3ED21)
Four Penn Center
1600 John F. Kennedy Boulevard
Philadelphia, PA 19103-2852

The Title V compliance certification shall be emailed to EPA at R3_APD_Permits@epa.gov.

(c) An application, form, report or compliance certification submitted pursuant to this permit condition shall contain certification by a responsible official as to truth, accuracy, and completeness as required under 25 Pa. Code § 127.402(d). Unless otherwise required by the Clean Air Act or regulations adopted thereunder, this certification and any other certification required pursuant to this permit shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

#023 [25 Pa. Code §§ 127.441(c) & 127.463(e); Chapter 139; & 114(a)(3), 504(b) of the CAA]**Sampling, Testing and Monitoring Procedures**

(a) The permittee shall perform the emissions monitoring and analysis procedures or test methods for applicable requirements of this Title V permit. In addition to the sampling, testing and monitoring procedures specified in this permit, the Permittee shall comply with any additional applicable requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.

(b) The sampling, testing and monitoring required under the applicable requirements of this permit, shall be conducted in accordance with the requirements of 25 Pa. Code Chapter 139 unless alternative methodology is required by the Clean Air Act (including §§ 114(a)(3) and 504(b)) and regulations adopted thereunder.

#024 [25 Pa. Code §§ 127.511 & Chapter 135]**Recordkeeping Requirements**

(a) The permittee shall maintain and make available, upon request by the Department, records of required monitoring information that include the following:

- (1) The date, place (as defined in the permit) and time of sampling or measurements.
- (2) The dates the analyses were performed.
- (3) The company or entity that performed the analyses.
- (4) The analytical techniques or methods used.

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(5) The results of the analyses.

(6) The operating conditions as existing at the time of sampling or measurement.

(b) The permittee shall retain records of the required monitoring data and supporting information for at least five (5) years from the date of the monitoring sample, measurement, report or application. Supporting information includes the calibration data and maintenance records and original strip-chart recordings for continuous monitoring instrumentation, and copies of reports required by the permit.

(c) The permittee shall maintain and make available to the Department upon request, records including computerized records that may be necessary to comply with the reporting, recordkeeping and emission statement requirements in 25 Pa. Code Chapter 135 (relating to reporting of sources). In accordance with 25 Pa. Code Chapter 135, § 135.5, such records may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by indirect means.

#025 [25 Pa. Code §§ 127.411(d), 127.442, 127.463(e) & 127.511(c)]**Reporting Requirements**

(a) The permittee shall comply with the reporting requirements for the applicable requirements specified in this Title V permit. In addition to the reporting requirements specified herein, the permittee shall comply with any additional applicable reporting requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.

(b) Pursuant to 25 Pa. Code § 127.511(c), the permittee shall submit reports of required monitoring at least every six (6) months unless otherwise specified in this permit. Instances of deviations (as defined in 25 Pa. Code § 121.1) from permit requirements shall be clearly identified in the reports. The reporting of deviations shall include the probable cause of the deviations and corrective actions or preventative measures taken, except that sources with continuous emission monitoring systems shall report according to the protocol established and approved by the Department for the source. The required reports shall be certified by a responsible official.

(c) Every report submitted to the Department under this permit condition shall comply with the submission procedures specified in Section B, Condition #022(c) of this permit.

(d) Any records, reports or information obtained by the Department or referred to in a public hearing shall be made available to the public by the Department except for such records, reports or information for which the permittee has shown cause that the documents should be considered confidential and protected from disclosure to the public under Section 4013.2 of the Air Pollution Control Act and consistent with Sections 112(d) and 114(c) of the Clean Air Act and 25 Pa. Code § 127.411(d). The permittee may not request a claim of confidentiality for any emissions data generated for the Title V facility.

#026 [25 Pa. Code § 127.513]**Compliance Certification**

(a) One year after the date of issuance of the Title V permit, and each year thereafter, unless specified elsewhere in the permit, the permittee shall submit to the Department and EPA Region III a certificate of compliance with the terms and conditions in this permit, for the previous year, including the emission limitations, standards or work practices. This certification shall include:

- (1) The identification of each term or condition of the permit that is the basis of the certification.
- (2) The compliance status.
- (3) The methods used for determining the compliance status of the source, currently and over the reporting period.
- (4) Whether compliance was continuous or intermittent.

(b) The compliance certification shall be postmarked or hand-delivered no later than thirty days after each anniversary of the date of issuance of this Title V Operating Permit, or on the submittal date specified elsewhere in the permit, to the Department in accordance with the submission requirements specified in Section B, Condition #022 of this permit. The Title V compliance certification shall be emailed to EPA at R3_APD_Permits@epa.gov.

**SECTION B. General Title V Requirements****#027 [25 Pa. Code § 127.3]****Operational Flexibility**

The permittee is authorized to make changes within the Title V facility in accordance with the following provisions in 25 Pa. Code Chapter 127 which implement the operational flexibility requirements of Section 502(b)(10) of the Clean Air Act and Section 6.1(i) of the Air Pollution Control Act:

- (1) Section 127.14 (relating to exemptions)
- (2) Section 127.447 (relating to alternative operating scenarios)
- (3) Section 127.448 (relating to emissions trading at facilities with federally enforceable emissions caps)
- (4) Section 127.449 (relating to de minimis emission increases)
- (5) Section 127.450 (relating to administrative operating permit amendments)
- (6) Section 127.462 (relating to minor operating permit amendments)
- (7) Subchapter H (relating to general plan approvals and operating permits)

#028 [25 Pa. Code §§ 127.441(d), 127.512(i) and 40 CFR Part 68]**Risk Management**

(a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release program consistent with requirements of the Clean Air Act, 40 CFR Part 68 (relating to chemical accident prevention provisions) and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act (P.L. 106-40).

(b) The permittee shall prepare and implement a Risk Management Plan (RMP) which meets the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68 and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act when a regulated substance listed in 40 CFR § 68.130 is present in a process in more than the listed threshold quantity at the Title V facility. The permittee shall submit the RMP to the federal Environmental Protection Agency according to the following schedule and requirements:

- (1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:
 - (i) Three years after the date on which a regulated substance is first listed under § 68.130; or,
 - (ii) The date on which a regulated substance is first present above a threshold quantity in a process.

(2) The permittee shall submit any additional relevant information requested by the Department or EPA concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR § 68.190.

(3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 CFR Part 68, including a checklist addressing the required elements of a complete RMP.

(c) As used in this permit condition, the term "process" shall be as defined in 40 CFR § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.

(d) If the Title V facility is subject to 40 CFR Part 68, as part of the certification required under this permit, the permittee shall:

- (1) Submit a compliance schedule for satisfying the requirements of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a); or,
- (2) Certify that the Title V facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.

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(e) If the Title V facility is subject to 40 CFR Part 68, the permittee shall maintain records supporting the implementation of an accidental release program for five (5) years in accordance with 40 CFR § 68.200.

(f) When the Title V facility is subject to the accidental release program requirements of Section 112(r) of the Clean Air Act and 40 CFR Part 68, appropriate enforcement action will be taken by the Department if:

(1) The permittee fails to register and submit the RMP or a revised plan pursuant to 40 CFR Part 68.

(2) The permittee fails to submit a compliance schedule or include a statement in the compliance certification required under Section B, Condition #026 of this permit that the Title V facility is in compliance with the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68, and 25 Pa. Code § 127.512(i).

#029 [25 Pa. Code § 127.512(e)]**Approved Economic Incentives and Emission Trading Programs**

No permit revision shall be required under approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this Title V permit.

#030 [25 Pa. Code §§ 127.516, 127.450(d), 127.449(f) & 127.462(g)]**Permit Shield**

(a) The permittee's compliance with the conditions of this permit shall be deemed in compliance with applicable requirements (as defined in 25 Pa. Code § 121.1) as of the date of permit issuance if either of the following applies:

(1) The applicable requirements are included and are specifically identified in this permit.

(2) The Department specifically identifies in the permit other requirements that are not applicable to the permitted facility or source.

(b) Nothing in 25 Pa. Code § 127.516 or the Title V permit shall alter or affect the following:

(1) The provisions of Section 303 of the Clean Air Act, including the authority of the Administrator of the EPA provided thereunder.

(2) The liability of the permittee for a violation of an applicable requirement prior to the time of permit issuance.

(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act.

(4) The ability of the EPA to obtain information from the permittee under Section 114 of the Clean Air Act.

(c) Unless precluded by the Clean Air Act or regulations thereunder, final action by the Department incorporating a significant permit modification in this Title V Permit shall be covered by the permit shield at the time that the permit containing the significant modification is issued.

#031 [25 Pa. Code §135.3]**Reporting**

(a) The permittee shall submit by March 1 of each year an annual emissions report for the preceding calendar year. The report shall include information for all active previously reported sources, new sources which were first operated during the preceding calendar year, and sources modified during the same period which were not previously reported. All air emissions from the facility should be estimated and reported.

(b) A source owner or operator may request an extension of time from the Department for the filing of an annual emissions report, and the Department may grant the extension for reasonable cause.

#032 [25 Pa. Code §135.4]**Report Format**

Emissions reports shall contain sufficient information to enable the Department to complete its emission inventory. Emissions reports shall be made by the source owner or operator in a format specified by the Department.

**SECTION C. Site Level Requirements****I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

No person shall permit the emission into the outdoor atmosphere of any fugitive air contaminant from a source other than the following:

- a. Construction or demolition of buildings or structures.
- b. Grading, paving and maintenance of roads and streets.
- c. Use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets.
- d. Clearing of land.
- e. Stockpiling of materials.
- f. Sources and classes of sources other than those identified above, for which the operator has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:
 1. The emissions are of minor significance with respect to causing air pollution;
 2. The emissions are not preventing or interfering with the attainment or maintenance of any ambient air standard.

002 [25 Pa. Code §123.2]**Fugitive particulate matter**

No person shall permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in Section C, Condition # 001, if the emissions are visible at the point the emissions pass outside the person's property.

003 [25 Pa. Code §123.31]**Limitations**

No person shall permit the emission into the outdoor atmosphere of any malodorous air contaminants from any source in such a manner that the malodors are detectable outside the property of the person on whose land the source is being operated.

004 [25 Pa. Code §123.41]**Limitations**

No person shall permit the emission of visible air contaminants into the outdoor atmosphere in such a manner that the opacity of the emission is either of the following unless otherwise stated in this permit:

- a. Equal to or greater than 20 % for a period or periods aggregating more than three minutes in any one hour.
- b. Equal to or greater than 60 % at any time.

005 [25 Pa. Code §123.42]**Exceptions**

The emission limitations of 123.41 (relating to limitations) do not apply to a visible emission in any of the following instances:

- a. The presence of uncombined water is the only reason for failure of the emission to meet the limitation.
- b. The emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions;
- c. The emission results from sources specified in Section C, Condition #001 (relating to prohibition of certain fugitive

**SECTION C. Site Level Requirements**

emissions).

006 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

The permittee shall monitor and record the pressure drop across each scrubber, fabric filter and other particulate matter control device and water flow to each scrubber listed in the Site Inventory List. At a minimum, these readings shall be taken once per week, unless specified elsewhere in this permit, while the sources and control devices are in operation. These records shall be maintained on-site for the most recent five year period and be made available to the Department upon request.

007 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

The permittee shall report malfunctions to the Department. As defined in 40 CFR Section 60.2 and incorporated by reference in 25 Pa. Code Chapter 122, a malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions. Malfunctions shall be reported as follows:

a. Malfunctions which pose an imminent danger to public health, safety, welfare and the environment, shall be immediately reported to the Department by telephone. The telephone report of such malfunctions shall occur no later than two hours after discovery of the incident. Telephone reports can be made to the Air Quality Program at (610) 916-0100 during normal business hours, or to the Department's Emergency Hotline at any time. The Emergency Hotline phone number is changed/updated periodically. The current Emergency Hotline phone number can be found at <https://www.dep.pa.gov/About/Regional/SouthcentralRegion/Pages/default.aspx>. The permittee shall submit a written report of instances of such malfunctions to the Department within three (3) days of the telephone report.

(b) Unless otherwise required by this permit, any other malfunction that is not subject to the reporting requirement of subsection (a) above, shall be reported to the Department, in writing, within five (5) days of malfunction discovery.

Malfunctions shall be reported to the Department at the following address:

PA DEP, Reading District Office
Air Quality Program
1005 Cross Roads Blvd
Reading, PA 19605

II. TESTING REQUIREMENTS.**# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The Department reserves the right to require exhaust stack testing of the source(s) as necessary during the permit term to verify emissions for purposes including emission fees, malfunctions or permit condition violations, as reasonably prescribed by the Department.

009 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

For any testing the permittee shall do the following:

(a) Pursuant to 25 Pa. Code § 139.3 at least 90 calendar days prior to commencing an emissions testing program, unless otherwise approved in writing by DEP, a test protocol shall be submitted to the Department for review and approval. Unless otherwise approved in writing by DEP, the permittee shall not conduct the test that is the subject of the protocol, until the protocol has been approved by DEP.

(b) Pursuant to 25 Pa. Code § 139.3 at least 15 calendar days prior to commencing an emission testing program,

**SECTION C. Site Level Requirements**

notification as to the date and time of testing shall be given to the appropriate Regional Office. Notification shall also be sent to the Division of Source Testing and Monitoring. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department.

(c) Pursuant to 25 Pa. Code Section 139.53(a)(3) within 15 calendar days after completion of the on-site testing portion of an emission test program, if a complete test report has not yet been submitted, an electronic mail notification shall be sent to the Department's Division of Source Testing and Monitoring and the appropriate Regional Office indicating the completion date of the on-site testing.

(d) Pursuant to 40 CFR Part 60.8(a), 40 CFR Part 61.13(f) and 40 CFR Part 63.7(g) a complete test report shall be submitted to the Department no later than 60 calendar days after completion of the on-site testing portion of an emission test program. For those tests being conducted pursuant to 40 CFR Part 61, a complete test report shall be submitted within 31 days after completion of the test.

(e) Pursuant to 25 Pa. Code Section 139.53(b) a complete test report shall include a summary of the emission results on the first page of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or non-compliance with all applicable permit conditions. The summary results will include, at a minimum, the following information:

1. A statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings.
2. Permit number(s) and condition(s) which are the basis for the evaluation.
3. Summary of results with respect to each applicable permit condition.
4. Statement of compliance or non-compliance with each applicable permit condition.

(f) Pursuant to 25 Pa. Code § 139.3 to all submittals shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(g) All testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection.

(h) Pursuant to 25 Pa. Code Section 139.53(a)(1) and 139.53(a)(3) all submittals, besides notifications, shall be accomplished through PSIMS*Online available through <https://www.depgreenport.state.pa.us/ecommm/Login.jsp> when it becomes available. If internet submittal cannot be accomplished, submittal shall be made as follows:

Regional Office:

Digital copy (only): RA-epscstacktesting@pa.gov

Bureau of Air Quality:

Digital copy (only): RA-epstacktesting@pa.gov

(i) The permittee shall ensure all federal reporting requirements contained in the applicable subpart of 40 CFR are followed, including timelines more stringent than those contained herein. In the event of an inconsistency or any conflicting requirements between state and the federal, the most stringent provision, term, condition, method or rule shall be used by default.

010 [25 Pa. Code §139.1]**Sampling facilities.**

Upon the request of the Department, the permittee shall provide adequate sampling ports, safe sampling platforms and adequate utilities for the performance by the Department of tests on such source. The Department will set forth, in the request, the time period in which the facilities shall be provided as well as the specifications for such facilities.

III. MONITORING REQUIREMENTS.**# 011 [25 Pa. Code §123.43]****Measuring techniques**

Visible air contaminants may be measured by using either of the following:

- a. A device approved by the Department and maintained to provide accurate opacity measurements.
- b. Observers, trained and qualified, to measure plume opacity with the naked eye, per EPA Method 9, or with the aid of any devices approved by the Department.

**SECTION C. Site Level Requirements****# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall conduct a weekly inspection around the plant periphery during the daylight hours when the plant is in production to detect visible emissions, fugitive visible emissions and malodorous emissions as follows:

- a. Visible emissions in excess of the limits stated in Section C, Condition #004. Visible emissions may be measured according to the methods specified in Section C, Condition #011.
- b. The presence of fugitive visible emissions beyond the plant property boundaries, as stated in Section C, Condition #002.
- c. Presence of malodorous air contaminants beyond the plant property boundaries as stated in Section C, Condition #003.

013 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Addition authority for this condition is derived from 40 CFR Part 60, Sections 60.46c and 60.48c, NSPS]

The permittee shall sample each shipment of fuel oil before use in any of the boilers at the facility. As an alternative, the permittee shall obtain annually a certification for each oil supplier as to the sulfur and the heating value in BTUs of the oil as delivered and a delivery receipt with each delivery.

The annual certification shall contain the following information:

- a. Name of supplier
- b. Sampling location (residual oils)
- c. Sampling method (residual oils)
- d. Sulfur content
- e. Heating value
- f. Statement from the oil supplier that the oil complies with the sulfur limit (distillate oils)

IV. RECORDKEEPING REQUIREMENTS.**# 014 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa Code Sections 129.91 - 129.94]

- (a) The owner and operator of a major NOx emitting facility or a major VOCs emitting facility shall keep records to demonstrate compliance with 129.91 -- 129.94.
- (b) The records shall provide sufficient data and calculations to clearly demonstrate that the requirements of 129.91 -- 129.94 are met.
- (c) Data or information required to determine compliance shall be recorded and maintained in a time frame consistent with the averaging period of the requirement.
- (d) The records shall be retained for at least 2 years and shall be made available to the Department on request.
- (e) [N/A - FACILITY IS NOT EXEMPT FROM THE RACT REQUIREMENTS].

015 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

- (a) The permittee shall maintain records of weekly inspections conducted in accordance with Section C, Condition #012. At

**SECTION C. Site Level Requirements**

a minimum, these records shall include the following information:

- (1) The name of the company representative conducting each inspection.
- (2) The date and time of each inspection.
- (3) The wind direction during each inspection.
- (4) A description of the emissions and/or malodors observed and the actions taken to mitigate them.

Note: A log entry is required in case an exceedance of visible emissions, fugitive emissions, or odorous emissions were detected during the required inspections.

(b) The permittee shall maintain these records for a minimum of five (5) years and shall make them available to Department representatives upon request.

016 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

[Additional authority for this condition is derived from 25 Pa Code Section 129.91]

For sources with fuel consumption limitations and or emission limits the permittee shall maintain records at the facility in a manner approved by the Department.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.**# 017 [25 Pa. Code §127.444]****Compliance requirements.**

The permittee shall operate and maintain the sources and control devices of this facility in a manner consistent with good operating and maintenance practices.

VII. ADDITIONAL REQUIREMENTS.**# 018 [25 Pa. Code §121.7]****Prohibition of air pollution.**

No person may permit air pollution as that term is defined in the PA Air Pollution Control Act.

019 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall forward the annual compliance certification report to U.S. EPA electronically, in lieu of a hard copy version, to the email address (unless otherwise specified by DEP or EPA): R3_APD_Permits@epa.gov.

020 [25 Pa. Code §129.14]**Open burning operations**

No person shall permit the open burning of material at the plant site except where the open burning operations result from:

- a. A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer.
- b. Any fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.
- c. A fire set for the prevention and control of disease or pests, when approved by the Department.
- d. A fire set solely for recreational or ceremonial purposes.

**SECTION C. Site Level Requirements**

e. A fire set solely for cooking food.

This permit does not constitute authorization to burn solid waste in violation of Section 610(3) of the Solid Waste Management Act, 35 P. S. Section 6018.610(3), or any other provision of the Solid Waste Management Act.

VIII. COMPLIANCE CERTIFICATION.

The permittee shall submit within thirty days of 01/31/2022 a certificate of compliance with all permit terms and conditions set forth in this Title V permit as required under condition #026 of section B of this permit, and annually thereafter.

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

***** Permit Shield In Effect *****

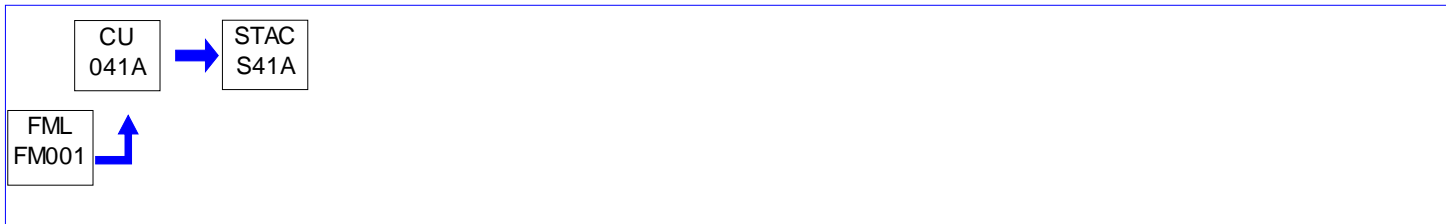
**SECTION D. Source Level Requirements**

Source ID: 041A

Source Name: MISCELLANEOUS BOILERS < 20 MM BTU

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SG01 BOILERS
 SG24 RACT 2 PRESUMPTIVE REQUIREMENTS
 SG29 RACT 3 PRESUMPTIVE REQUIREMENTS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

001 [25 Pa. Code §127.441]
Operating permit terms and conditions.

[Additional authority for this condition is derived from 25 PA Code Section 127.91, RACT]

In accordance with the RACT Plan, the permittee shall maintain a list of all sources subject to RACT in this source group, their location, fuel and heat input rating. The list shall be updated quarterly and made available to the Department upon request. An updated list shall be submitted to the Department upon request. The permittee shall notify the Department of any new source(s) that potentially increase the emissions of NOx or VOC by more than 1 ton during any consecutive 12-month period, except for sources specifically exempted by 25 Pa. Code Section 127.14. Any new sources subject to the Department's Chapter 127 will be required to receive a Plan Approval before construction.

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

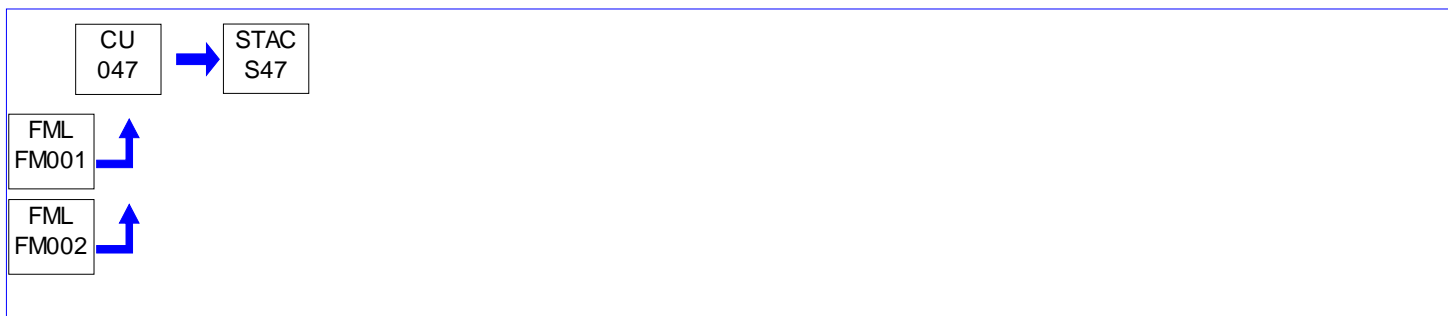
Source ID: 047

Source Name: #5 BOILER F-645, B-48 (JOHNSTON)

Source Capacity/Throughput:	20.900 MMBTU/HR	
	20.500 MCF/HR	NATURAL GAS
	150.000 Gal/HR	#2 FUEL OIL

Conditions for this source occur in the following groups:

- SG00 BUILDING 48 BOILERS
- SG11A NNSR SOURCES #1
- SG11B NNSR SOURCES #2
- SG20B
- SG23 RACT 1 REQUIREMENTS
- SG24 RACT 2 PRESUMPTIVE REQUIREMENTS
- SG29 RACT 3 PRESUMPTIVE REQUIREMENTS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

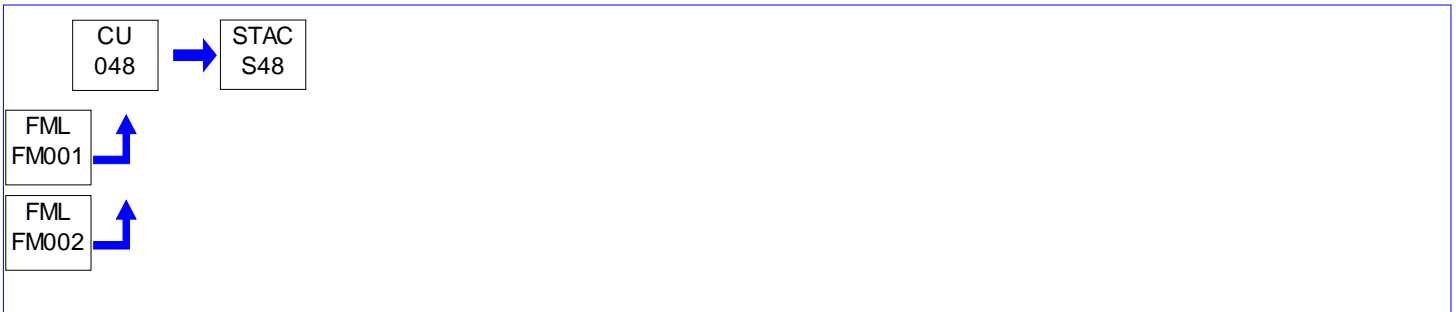
Source ID: 048

Source Name: #3 BOILER F-572, B-48 (C-B)

Source Capacity/Throughput:	29.400	MMBTU/HR	
	210.000	Gal/HR	#2 FUEL OIL
	29.400	MCF/HR	NATURAL GAS

Conditions for this source occur in the following groups:

- SG00 BUILDING 48 BOILERS
- SG11A NNSR SOURCES #1
- SG11B NNSR SOURCES #2
- SG20B
- SG23 RACT 1 REQUIREMENTS
- SG24 RACT 2 PRESUMPTIVE REQUIREMENTS
- SG29 RACT 3 PRESUMPTIVE REQUIREMENTS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

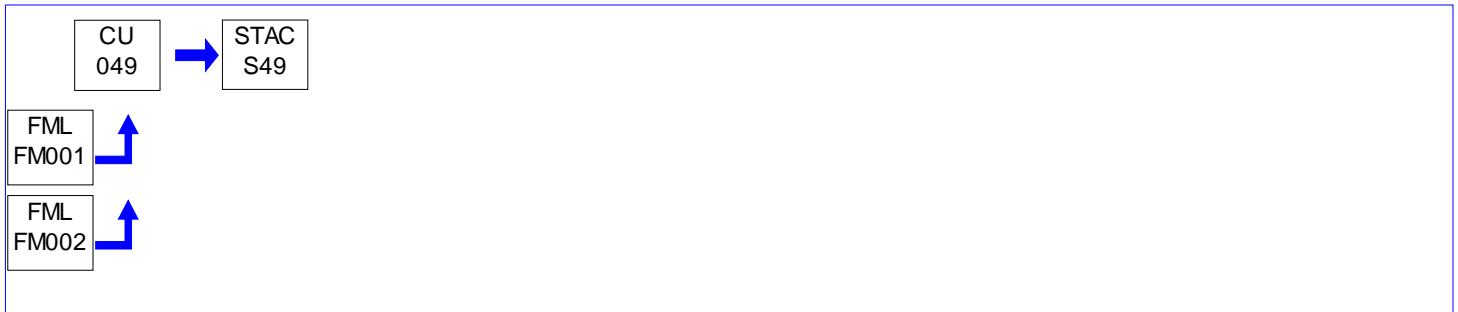
Source ID: 049

Source Name: #4 BOILER F-573, B-48 (C-B)

Source Capacity/Throughput:	29.400	MMBTU/HR	
	210.000	Gal/HR	#2 FUEL OIL
	29.400	MCF/HR	NATURAL GAS

Conditions for this source occur in the following groups:

- SG00 BUILDING 48 BOILERS
- SG11A NNSR SOURCES #1
- SG11B NNSR SOURCES #2
- SG20B
- SG23 RACT 1 REQUIREMENTS
- SG24 RACT 2 PRESUMPTIVE REQUIREMENTS
- SG29 RACT 3 PRESUMPTIVE REQUIREMENTS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****



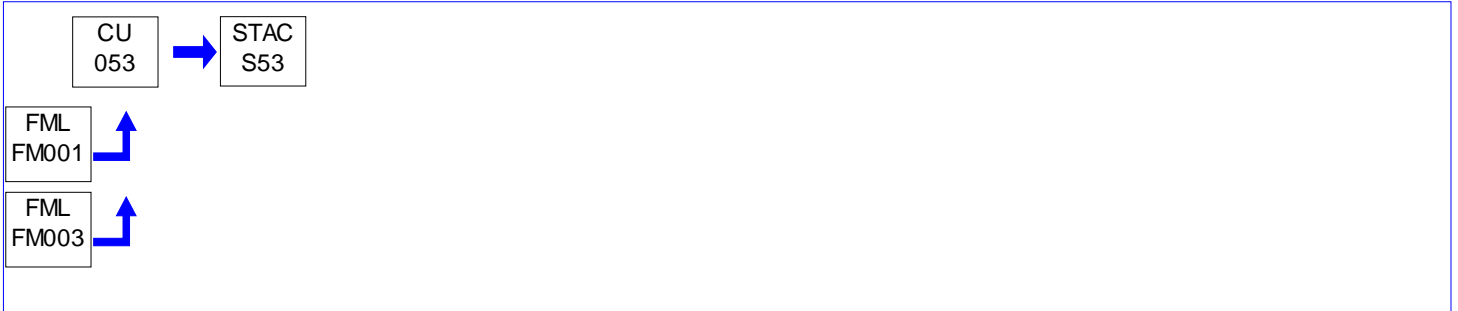
SECTION D. Source Level Requirements

Source ID: 053

Source Name: #1 BOILER F-657 B-122

Source Capacity/Throughput:	9.900 MMBTU/HR	
	88.600 Gal/HR	#2 FUEL OIL
	12.500 MCF/HR	NATURAL GAS

Conditions for this source occur in the following groups: SG01 BOILERS
 SG11A NNSR SOURCES #1
 SG11B NNSR SOURCES #2



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).



SECTION D. Source Level Requirements

***** Permit Shield in Effect. *****

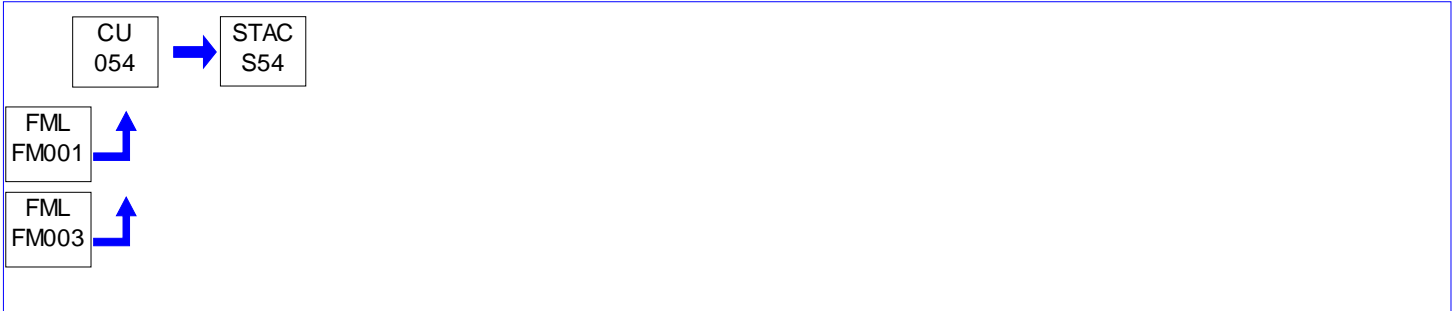
**SECTION D. Source Level Requirements**

Source ID: 054

Source Name: #2 BOILER F-658 B-122

Source Capacity/Throughput:	9.900 MMBTU/HR	
	88.700 Gal/HR	#2 FUEL OIL
	12.600 MCF/HR	NATURAL GAS

Conditions for this source occur in the following groups: SG01 BOILERS
 SG11A NNSR SOURCES #1
 SG11B NNSR SOURCES #2

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).



SECTION D. Source Level Requirements

***** Permit Shield in Effect. *****

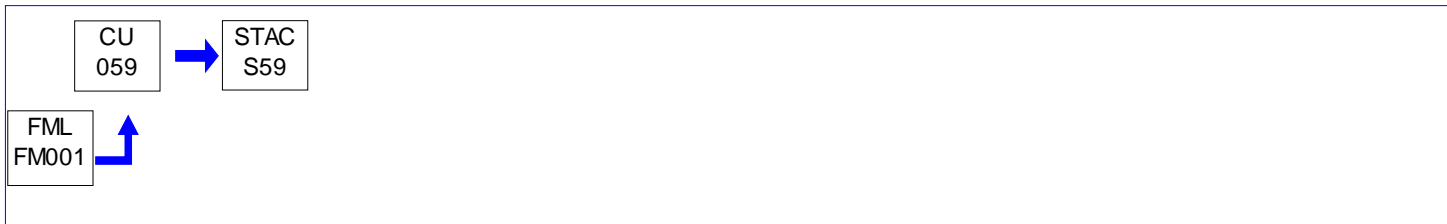
**SECTION D. Source Level Requirements**

Source ID: 059

Source Name: SPACE HEATERS

Source Capacity/Throughput:	72.500	MMBTU/HR	
	11.200	MCF/HR	NATURAL GAS
	61.300	MCF/HR	NATURAL GAS

Conditions for this source occur in the following groups: SG23 RACT 1 REQUIREMENTS
SG24 RACT 2 PRESUMPTIVE REQUIREMENTS

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

No person shall permit the emissions into the outdoor atmosphere of particulate matter from any of the sources in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

002 [25 Pa. Code §123.21]**General**

The permittee may not permit the emission into the outdoor atmosphere of sulfur dioxide from a source in a manner that the concentration of sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa Code Section 129.91, RACT]

In accordance with the RACT Plan, each of the above sources will be installed (if not already installed), maintained and operated in accordance with the manufacturer's specifications.

004 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa Code Section 129.91, RACT]

In accordance to the RACT Plan, the permittee shall maintain a list of all sources in this source group, their location, fuel and heat input rating. The list shall be updated quarterly and made available to the Department upon request. An updated list shall be submitted to the Department upon request. The permittee shall notify the Department of any new source(s) that potentially increase the emissions of NOx or VOC by more than 1 ton during any consecutive 12-month period, except for sources specifically exempted by Pa. Code Section 127.14. Any new sources subject to the Department's Chapter 127 permitting requirements will be required to receive a Plan Approval before construction.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

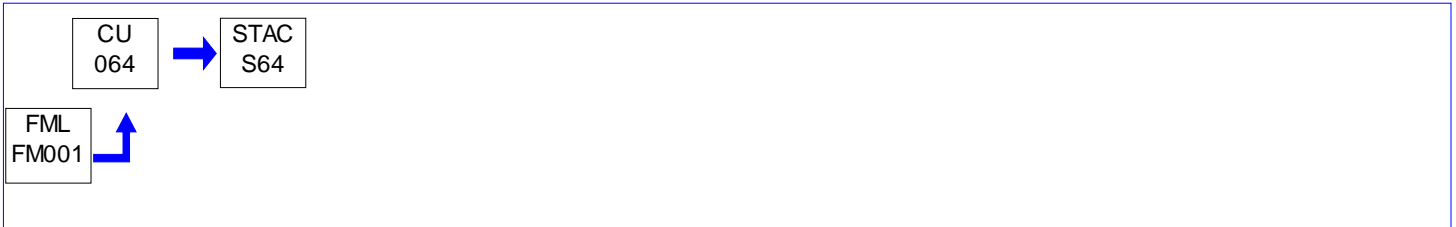
**SECTION D. Source Level Requirements**

Source ID: 064

Source Name: BOILER F-538, B-87

Source Capacity/Throughput: 1.100 MMBTU/HR
1.100 MCF/HR NATURAL GAS

Conditions for this source occur in the following groups: SG01 BOILERS
SG24 RACT 2 PRESUMPTIVE REQUIREMENTS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

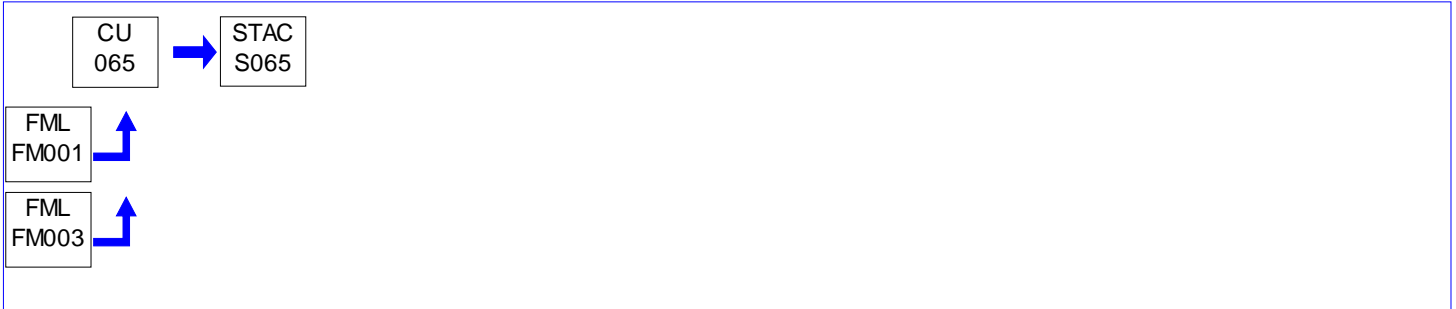
Source ID: 065

Source Name: STRIP MILL BOILER F-863 B-048(CT 723)

Source Capacity/Throughput:	25.000	MMBTU/HR	
	179.000	Gal/HR	#2 FUEL OIL
	24.300	MCF/HR	NATURAL GAS

Conditions for this source occur in the following groups:

- SG00 BUILDING 48 BOILERS
- SG11B NNSR SOURCES #2
- SG20B
- SG24 RACT 2 PRESUMPTIVE REQUIREMENTS
- SG29 RACT 3 PRESUMPTIVE REQUIREMENTS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 140A

Source Name: RACT 2 SMALL FURNACES

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SG23 RACT 1 REQUIREMENTS
SG24 RACT 2 PRESUMPTIVE REQUIREMENTS
SG29 RACT 3 PRESUMPTIVE REQUIREMENTS

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 296A

Source Name: BATCH REHEAT F-916; B78

Source Capacity/Throughput:

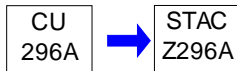
12.000 MCF/HR

Natural Gas

5.000 Tons/HR

STEEL ALLOYS

Conditions for this source occur in the following groups: SG09 FURNACES (<20MMBTU)

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 709

Source Name: LAUNDER PREHEAT EAST

Source Capacity/Throughput: 1.500 MMBTU/HR

Conditions for this source occur in the following groups: SG11B NNSR SOURCES #2

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 041B

Source Name: DDDDD UNITS <10 MMBTU/HR

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SG20A

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 070

Source Name: STECKEL MILL BURNER 1, B-55

Source Capacity/Throughput: 0.850 MMBTU/HR

Conditions for this source occur in the following groups: SG26 MILL BURNERS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

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V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

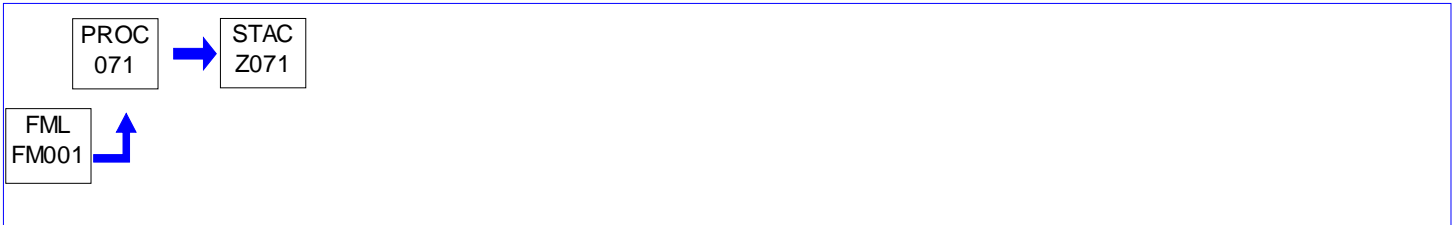
**SECTION D. Source Level Requirements**

Source ID: 071

Source Name: STECKEL MILL BURNER 2, B-55

Source Capacity/Throughput: 0.850 MMBTU/HR

Conditions for this source occur in the following groups: SG26 MILL BURNERS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

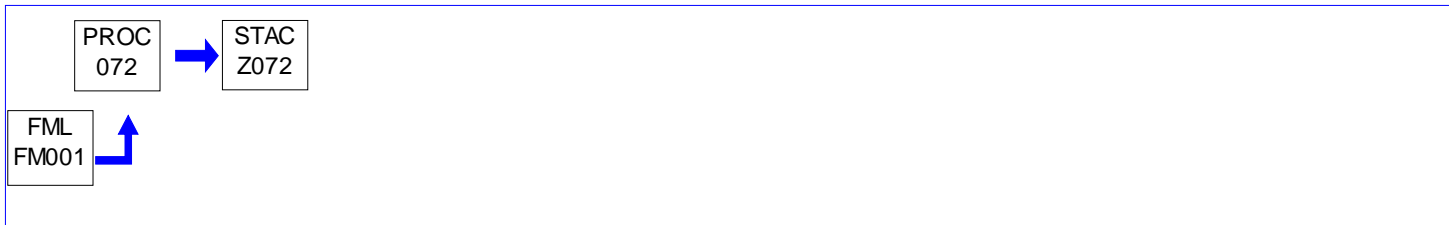
**SECTION D. Source Level Requirements**

Source ID: 072

Source Name: STECKEL MILL BURNER 3, B-55

Source Capacity/Throughput: 0.850 MMBTU/HR

Conditions for this source occur in the following groups: SG26 MILL BURNERS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 073

Source Name: STECKEL MILL BURNER 4, B-55

Source Capacity/Throughput: 0.850 MMBTU/HR

Conditions for this source occur in the following groups: SG26 MILL BURNERS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

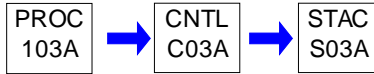
**SECTION D. Source Level Requirements**

Source ID: 103A

Source Name: BLOCK 3 HCL PICKLING LINE B-154

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SG21
SG22

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

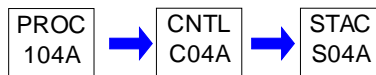
**SECTION D. Source Level Requirements**

Source ID: 104A

Source Name: BLOCK 3 NITRIC PICKLING LINE

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SG21
 SG22
 SG28 RACT 3 CASE-BY-CASE REQUIREMENTS

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.203a.]****Applicability determination.**

The permittee shall limit Nitrogen Oxides (NO_x) emissions from Source 104A to not more than 45.63 tons during any consecutive 12-month period.

[Reference: 25 PA Code 127.203a(a)(5)(iii)(A)]

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.**# 002 [25 Pa. Code §127.203a.]****Applicability determination.**

For Source 104A, the permittee shall monthly calculate and record monthly and 12-month rolling totals of emissions of Nitrogen Oxides (NO_x). Each record must be in a form suitable and readily available to the Department for expeditious review for a period of five years.

[Reference: 25 PA Code 127.203a(a)(5)(iii)(B)]

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

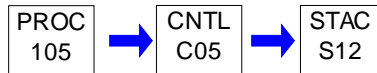
**SECTION D. Source Level Requirements**

Source ID: 105

Source Name: BENCH SOUTH CLEANING LINE (CT#417)

Source Capacity/Throughput: 15.000 Tons/HR STEEL ALLOYS

Conditions for this source occur in the following groups: SG10 CLEANING LINES

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 107

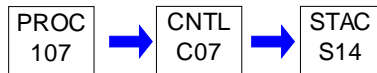
Source Name: STRIP CLEANING LINE 7 B-48B

Source Capacity/Throughput:

0.800 Tons/HR

STEELS ALLOYS

Conditions for this source occur in the following groups: SG10 CLEANING LINES
 SG23 RACT 1 REQUIREMENTS
 SG24 RACT 2 PRESUMPTIVE REQUIREMENTS
 SG29 RACT 3 PRESUMPTIVE REQUIREMENTS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 108

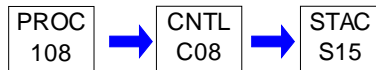
Source Name: ROD CLEANING LINE B-48B

Source Capacity/Throughput:

3.600 Tons/HR

STEEL ALLOYS

Conditions for this source occur in the following groups: SG10 CLEANING LINES
 SG23 RACT 1 REQUIREMENTS
 SG25 RACT 2 CASE-BY-CASE REQUIREMENTS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

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VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

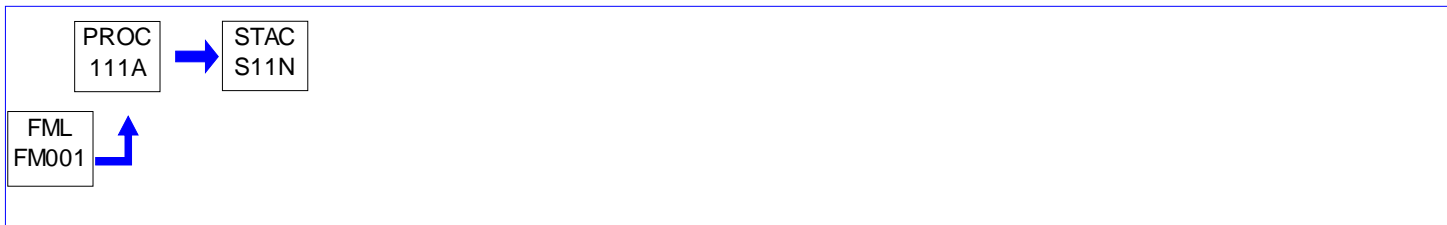
**SECTION D. Source Level Requirements**

Source ID: 111A

Source Name: AIR MAKE UP BLDG 154

Source Capacity/Throughput: 20.000 MMBTU/HR

Conditions for this source occur in the following groups: SG09 FURNACES (<20MMBTU)
 SG21
 SG29 RACT 3 PRESUMPTIVE REQUIREMENTS

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall limit Nitrogen Oxides (NOx) emissions from Source 111A to not more than 3.58 tons during any consecutive 12-month period.

002 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Natural gas consumption by Source 111A shall not exceed 71,600,000 cubic feet in any consecutive 12-month period.

This is a limit requested by the permittee as part of a PSD/NNSR determination under Plan Approval No. 06-05007P.

Fuel Restriction(s).**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

This source shall fire only commercial natural gas.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

For Source 111A, the permittee shall monthly calculate and record monthly and 12-month rolling totals of emissions of Nitrogen Oxides (NOx). Each record must be in a form suitable and readily available to the Department for expeditious review for a period of five years.

005 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall maintain record of the following information:

**SECTION D. Source Level Requirements**

- a. The date of the tuning procedures,
- b. The name of the service company and technicians,
- c. The final operating rate or load,
- d. Any other information required by this permit.

006 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Unless otherwise approved in writing, the permittee shall monthly record the amount of natural gas consumed by Source 111A. The permittee shall perform monthly calculations to demonstrate compliance with the twelve consecutive month limitation. The permittee shall keep record of monthly and twelve consecutive month natural gas use in a manner that the records are readily available. These records shall be made available to the Department upon request.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.**# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall perform a biennial adjustment and/or tune-up on Source 111A which shall include the following:

- a. Inspection, adjustment, cleaning or replacement of fuel-burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer.
- b. Inspection of the flame pattern or characteristics and adjustments necessary to minimize emissions of NO_x, and to the extent practicable minimize emissions of CO.
- c. Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

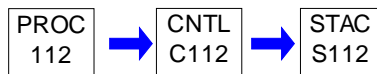
**SECTION D. Source Level Requirements**

Source ID: 112

Source Name: WET BELT GRINDING (STRIP MILL) B-48B

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SG11B NNSR SOURCES #2

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****



SECTION D. Source Level Requirements

Source ID: 114

Source Name: ROD LINE SHOT BLAST B-48B

Source Capacity/Throughput:

20.000 Tons/HR

STEEL ALLOYS

Conditions for this source occur in the following groups: SG02 ABRASIVE FINISHING



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 116

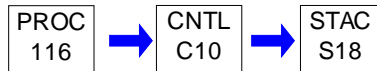
Source Name: 18" SWING GRINDER B-41

Source Capacity/Throughput:

3.000 Tons/HR

STEEL ALLOYS

Conditions for this source occur in the following groups: SG02 ABRASIVE FINISHING

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 119

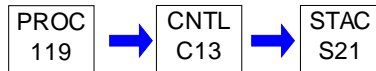
Source Name: OLD MIDWEST GRINDERS BLOCK #1 B-41

Source Capacity/Throughput:

6.000 Tons/HR

STEEL ALLOYS

Conditions for this source occur in the following groups: SG02 ABRASIVE FINISHING

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 119A

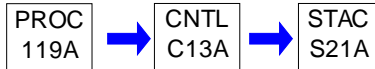
Source Name: NEW MIDWEST GRINDERS BLOCK #1 B-41

Source Capacity/Throughput:

6.000 Tons/HR

STEEL ALLOYS

Conditions for this source occur in the following groups: SG02 ABRASIVE FINISHING

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 120

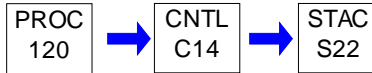
Source Name: MIDWEST GRINDERS BLOCK #2 -B-41

Source Capacity/Throughput:

5.000 Tons/HR

STEEL ALLOYS

Conditions for this source occur in the following groups: SG02 ABRASIVE FINISHING

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 121

Source Name: MIDWEST GRINDERS BLOCK #3 B-41

Source Capacity/Throughput:

5.000 Tons/HR

STEEL ALLOYS

Conditions for this source occur in the following groups: SG02 ABRASIVE FINISHING

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 122

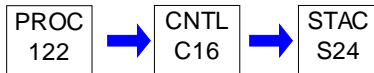
Source Name: MIDWEST GRINDERS BLOCK #4 B-41

Source Capacity/Throughput:

5.000 Tons/HR

STEEL ALLOYS

Conditions for this source occur in the following groups: SG02 ABRASIVE FINISHING

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

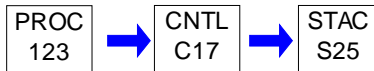
**SECTION D. Source Level Requirements**

Source ID: 123

Source Name: VULCAN GRINDER, B-41

Source Capacity/Throughput: 10.000 Tons/HR STEEL ALLOYS

Conditions for this source occur in the following groups: SG02 ABRASIVE FINISHING

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

001 [25 Pa. Code §127.441]
Operating permit terms and conditions.

PFTE lined bags or equivalent will be maintained in Baghouse C17.

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 126

Source Name: ELECTRIC ARC FURNACE A

Source Capacity/Throughput:

5.000 Tons/HR

STEEL ALLOYS

Conditions for this source occur in the following groups:

- SG03 MELT SHOP
- SG03A OLD MELT SHOP CAM
- SG11A NNSR SOURCES #1
- SG23 RACT 1 REQUIREMENTS
- SG25 RACT 2 CASE-BY-CASE REQUIREMENTS
- SG29 RACT 3 PRESUMPTIVE REQUIREMENTS

PROC
126CNTL
C19STAC
Z12**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****



SECTION D. Source Level Requirements

Source ID: 127 Source Name: ELECTRIC ARC FURNACE B
Source Capacity/Throughput: 5.000 Tons/HR STEEL ALLOYS

Conditions for this source occur in the following groups: SG03 MELT SHOP
SG03A OLD MELT SHOP CAM
SG23 RACT 1 REQUIREMENTS
SG25 RACT 2 CASE-BY-CASE REQUIREMENTS
SG29 RACT 3 PRESUMPTIVE REQUIREMENTS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****



SECTION D. Source Level Requirements

Source ID: 128 Source Name: ELECTRIC ARC FURNACE D
Source Capacity/Throughput: 4.500 Tons/HR STEEL ALLOYS

Conditions for this source occur in the following groups: SG03 MELT SHOP
SG03A OLD MELT SHOP CAM
SG11A NNSR SOURCES #1
SG23 RACT 1 REQUIREMENTS
SG25 RACT 2 CASE-BY-CASE REQUIREMENTS
SG29 RACT 3 PRESUMPTIVE REQUIREMENTS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 130

Source Name: ELECTRIC ARC FURNACE E

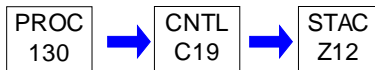
Source Capacity/Throughput:

5.500 Tons/HR

STEEL ALLOYS

Conditions for this source occur in the following groups:

- SG03 MELT SHOP
- SG03A OLD MELT SHOP CAM
- SG11A NNSR SOURCES #1
- SG23 RACT 1 REQUIREMENTS
- SG25 RACT 2 CASE-BY-CASE REQUIREMENTS
- SG29 RACT 3 PRESUMPTIVE REQUIREMENTS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

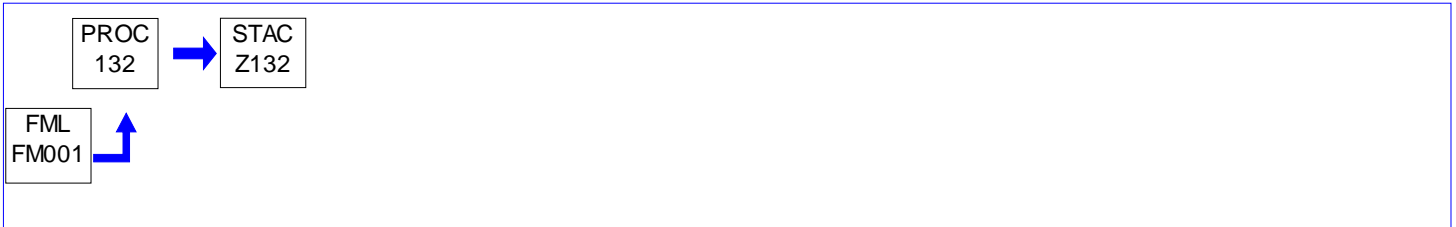
**SECTION D. Source Level Requirements**

Source ID: 132

Source Name: BATCH REHEAT FURNACE 1, B-55

Source Capacity/Throughput: 8.300 MMBTU/HR

Conditions for this source occur in the following groups: SG27 B55 REHEAT FURNACES
SG29 RACT 3 PRESUMPTIVE REQUIREMENTS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 133

Source Name: BATCH REHEAT FURNACE 2, B-55

Source Capacity/Throughput: 8.300 MMBTU/HR

Conditions for this source occur in the following groups: SG27 B55 REHEAT FURNACES
SG29 RACT 3 PRESUMPTIVE REQUIREMENTS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****



SECTION D. Source Level Requirements

Source ID: 134

Source Name: BATCH REHEAT FURNACE 3, B-55

Source Capacity/Throughput: 8.300 MMBTU/HR

Conditions for this source occur in the following groups: SG27 B55 REHEAT FURNACES
SG29 RACT 3 PRESUMPTIVE REQUIREMENTS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

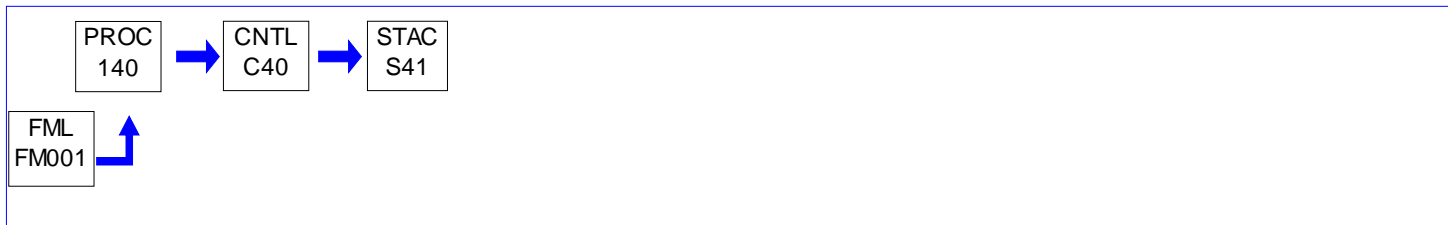
**SECTION D. Source Level Requirements**

Source ID: 140

Source Name: ROTARY SLUDGE DRYER F751 B131

Source Capacity/Throughput:	6.300 MCF/HR	NATURAL GAS
	1,500.000 Lbs/HR	SLUDGE

Conditions for this source occur in the following groups: SG04 ROTARY SLUDGE DRYER
 SG11A NNSR SOURCES #1
 SG23 RACT 1 REQUIREMENTS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 141

Source Name: TRUCK FILL SPOUT (SLUDGE DRYER)

Source Capacity/Throughput: 1,500.000 Lbs/HR DRIED SLUGE

Conditions for this source occur in the following groups: SG04 ROTARY SLUDGE DRYER

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

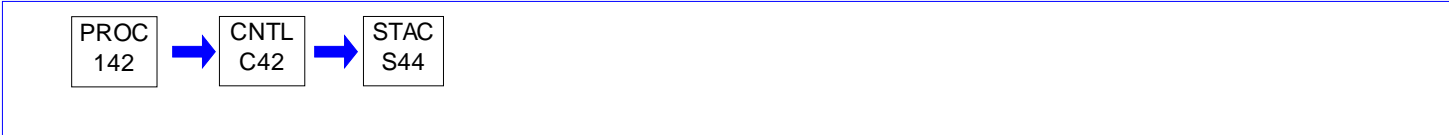
***** Permit Shield in Effect. *****



SECTION D. Source Level Requirements

Source ID: 142 Source Name: SLUDGE DRYER SILO
Source Capacity/Throughput: 1,500.000 Lbs/HR DRIED SLUDGE

Conditions for this source occur in the following groups: SG04 ROTARY SLUDGE DRYER



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

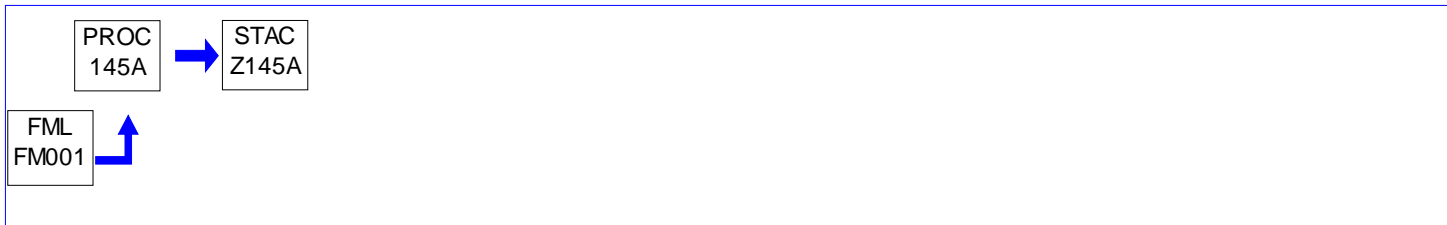
**SECTION D. Source Level Requirements**

Source ID: 145A

Source Name: FOUR FURNACES IN BUILDING 1

Source Capacity/Throughput:	75.000 MCF/HR	NATURAL GAS
	515.000 Gal/HR	NO. 2 FUEL OIL

Conditions for this source occur in the following groups: SG05 FURNACES

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 151A

Source Name: SEVEN HEATING FURNACES IN B-2

Source Capacity/Throughput:	75.000 MCF/HR	NATURAL GAS
	515.000 Gal/HR	NO. 2 FUEL OIL

Conditions for this source occur in the following groups: SG05 FURNACES

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

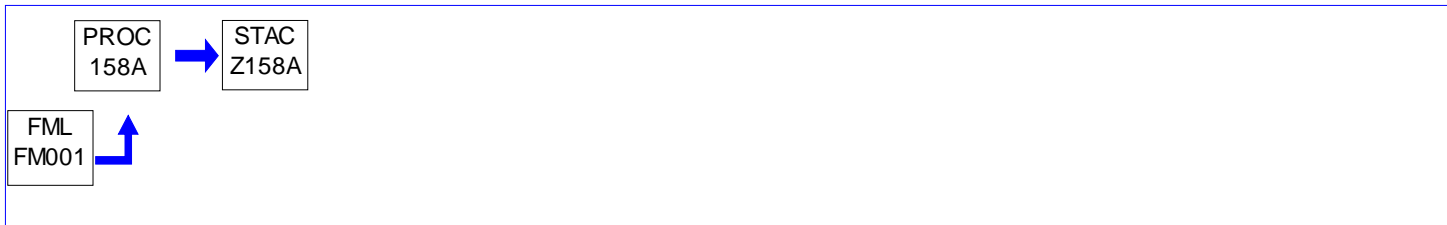
**SECTION D. Source Level Requirements**

Source ID: 158A

Source Name: SIX HEATING FURNACES IN B-55

Source Capacity/Throughput:	85.000 MCF/HR	NATURAL GAS
	585.000 Gal/HR	NO. 2 FUEL OIL

Conditions for this source occur in the following groups: SG05 FURNACES

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 160A

Source Name: EIGHT HEATING FURNACES IN B-48

Source Capacity/Throughput:	90.000 MCF/HR	NATURAL GAS
	616.000 Gal/HR	NO. 2 FUEL OIL

Conditions for this source occur in the following groups: SG05 FURNACES

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

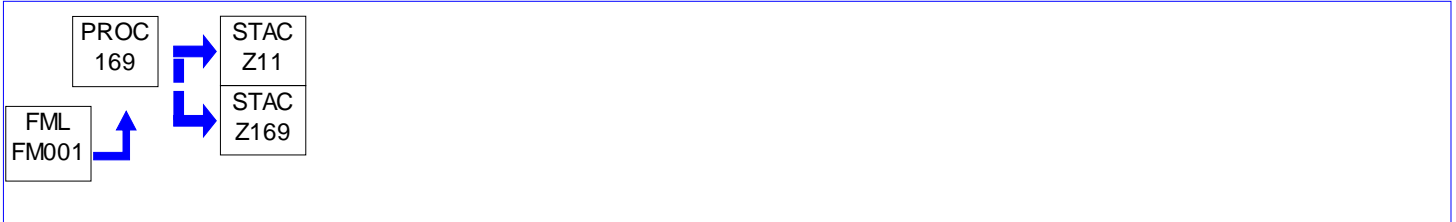
**SECTION D. Source Level Requirements**

Source ID: 169

Source Name: #1 AOD PREHTR F-531, B-89

Source Capacity/Throughput:	2.300 MCF/HR	NATURAL GAS
	5.000 Tons/HR	STEEL ALLOYS
	16.200 Gal/HR	NO. 2 FUEL OIL

Conditions for this source occur in the following groups: SG03 MELT SHOP
SG11A NNSR SOURCES #1

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 171

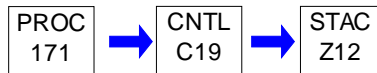
Source Name: AOD VESSEL #1

Source Capacity/Throughput:

20.000 Tons/HR

STEEL ALLOYS

Conditions for this source occur in the following groups: SG03 MELT SHOP
 SG03A OLD MELT SHOP CAM
 SG23 RACT 1 REQUIREMENTS
 SG25 RACT 2 CASE-BY-CASE REQUIREMENTS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

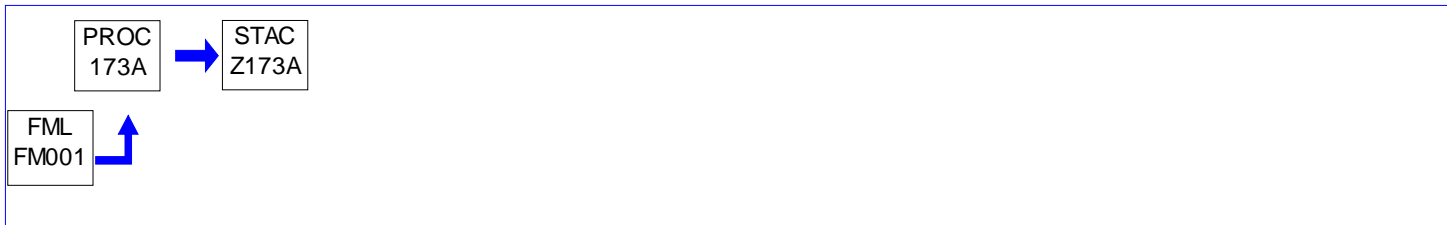
**SECTION D. Source Level Requirements**

Source ID: 173A

Source Name: FIVE TUNDISH HEATERS B-89 & 101

Source Capacity/Throughput:	50.000 MCF/HR	NATURAL GAS
	345.000 Gal/HR	NO. 2 FUEL OIL

Conditions for this source occur in the following groups: SG05 FURNACES

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

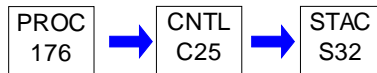
**SECTION D. Source Level Requirements**

Source ID: 176

Source Name: AOD VESSEL 2

Source Capacity/Throughput: 20.000 Tons/HR STEEL ALLOYS

Conditions for this source occur in the following groups: SG03 MELT SHOP
 SG03B NEW MELT SHOP CAM
 SG23 RACT 1 REQUIREMENTS
 SG25 RACT 2 CASE-BY-CASE REQUIREMENTS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 177

Source Name: ELECTRIC ARC FURNACE F

Source Capacity/Throughput:

40.000 Tons/HR

STEEL ALLOYS

Conditions for this source occur in the following groups:

- SG03 MELT SHOP
- SG03B NEW MELT SHOP CAM
- SG11A NNSR SOURCES #1
- SG23 RACT 1 REQUIREMENTS
- SG25 RACT 2 CASE-BY-CASE REQUIREMENTS
- SG29 RACT 3 PRESUMPTIVE REQUIREMENTS

PROC
177CNTL
C25STAC
S32**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 181

Source Name: GRINDERS & BRAUN SAWS B-41

Source Capacity/Throughput:

5.000 Tons/HR

STEEL ALLOYS

Conditions for this source occur in the following groups: SG02 ABRASIVE FINISHING

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

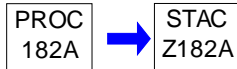
**SECTION D. Source Level Requirements**

Source ID: 182A

Source Name: TWO GENERAL FURNACES- B-68: F-1069 & 1188

Source Capacity/Throughput:	10.000 MCF/HR	NATURAL GAS
	217.000 Gal/HR	NO. 2 FUEL OIL

Conditions for this source occur in the following groups: SG05 FURNACES

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

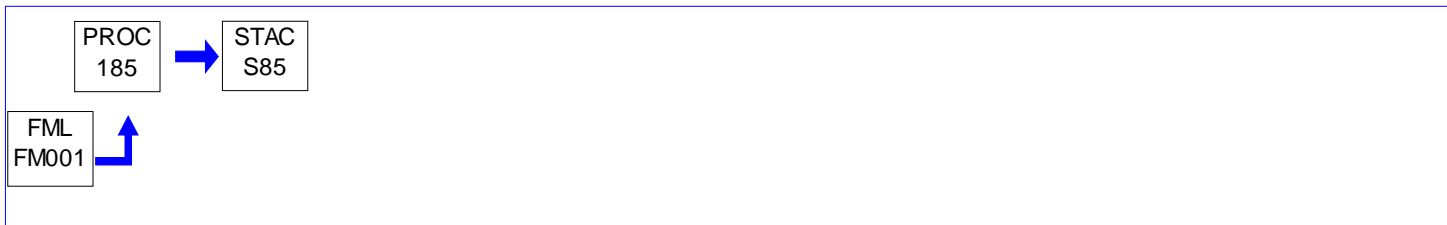
**SECTION D. Source Level Requirements**

Source ID: 185

Source Name: 20T WALK FURN #1 F643; B-112

Source Capacity/Throughput:	17.200 MCF/HR	NATURAL GAS
	20.000 Tons/HR	STEEL ALLOYS

Conditions for this source occur in the following groups: SG23 RACT 1 REQUIREMENTS
 SG25 RACT 2 CASE-BY-CASE REQUIREMENTS
 SG28 RACT 3 CASE-BY-CASE REQUIREMENTS

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

No person shall permit the emissions into the outdoor atmosphere of particulate matter from the source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

002 [25 Pa. Code §123.21]**General**

The permittee may not permit the emission into the outdoor atmosphere of sulfur dioxide from a source in a manner that the concentration of sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

003 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa Code Section 129.91, RACT]

In accordance with the RACT Plan, the permittee shall ensure the emissions from the 20 Ton Walking Beam Furnace #1 (F-643) (Midland-Ross) comply with the following:

- a. [MOVED TO SG23]
- b. The emissions from the furnace shall not exceed the following during any consecutive 12-month period:
 1. Particulate - 1.10 tons
 2. Sulfur Dioxide - 0.05 tons
 3. Carbon Monoxide - 2.80 tons
 4. [MOVED TO SG23]
 5. [MOVED TO SG23]
- c. The total natural gas combusted during any consecutive 12-month period shall not exceed 160 million cubic feet.



SECTION D. Source Level Requirements

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee shall record the amounts of natural gas fired in the furnace each month, and maintain a 12-month rolling total.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

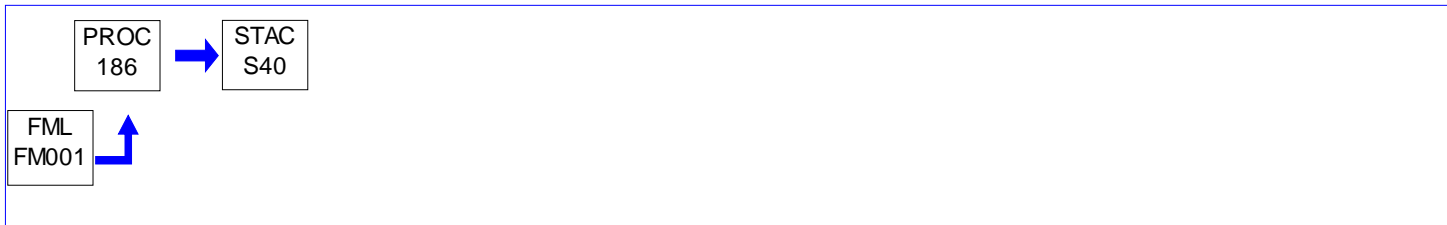
**SECTION D. Source Level Requirements**

Source ID: 186

Source Name: ROTARY FORGE FURN F-641; B-118

Source Capacity/Throughput:	53.000 MCF/HR	NATURAL GAS
	22.000 Tons/HR	STEEL ALLOYS

Conditions for this source occur in the following groups: SG11A NNSR SOURCES #1
 SG23 RACT 1 REQUIREMENTS
 SG25 RACT 2 CASE-BY-CASE REQUIREMENTS
 SG28 RACT 3 CASE-BY-CASE REQUIREMENTS

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

The permittee shall limit the emissions of particulate matter to the outdoor atmosphere from the source in a manner that the concentration of particulate matter in the effluent gas does not exceed 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

003 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa Code Section 129.91, RACT]

In accordance with the RACT Plan, the permittee shall ensure the emissions of the Rotary Hearth Furnace (F-641) comply with the following:

- a. [MOVED TO SG23]
- b. The emissions for the furnace shall not exceed the following limits during any consecutive 12-month period:
 1. Particulate - 1.67 tons
 2. Sulfur Dioxide - 0.07 tons
 3. Carbon Monoxide - 4.28 tons
 4. [MOVED TO SG23]
 5. [MOVED TO SG23]



SECTION D. Source Level Requirements

c. The total natural gas combusted during any consecutive 12-month period shall not exceed 244.4 million cubic feet.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee shall record the amounts of natural gas fired in the furnace each month and maintain a 12-month rolling total.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

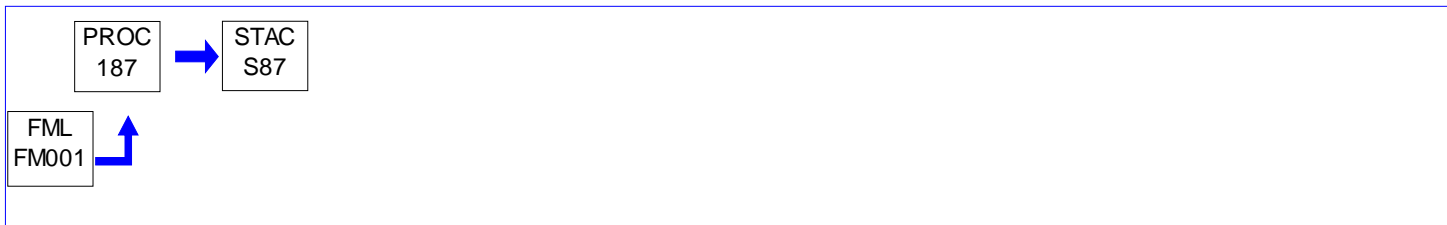
**SECTION D. Source Level Requirements**

Source ID: 187

Source Name: 20T WALK FURN #2 F681; B-112

Source Capacity/Throughput:	51.000 MCF/HR	NATURAL GAS
	20.000 Tons/HR	STEEL ALLOYS

Conditions for this source occur in the following groups: SG23 RACT 1 REQUIREMENTS
 SG25 RACT 2 CASE-BY-CASE REQUIREMENTS
 SG28 RACT 3 CASE-BY-CASE REQUIREMENTS

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

No person shall permit the emissions into the outdoor atmosphere of particulate matter from any of the sources in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

002 [25 Pa. Code §123.21]**General**

The permittee may not permit the emission into the outdoor atmosphere of sulfur dioxide from a source in a manner that the concentration of sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

003 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa Code Section 129.91, RACT]

In accordance with the RACT Plan, the permittee shall ensure that the emissions for the 20 Ton Walking Beam Furnace #2 (F-681) (North American) comply with the following:

- a. [MOVED TO SG23]
- b. The emissions from the furnace during any consecutive 12-month period shall not exceed the following limits:
 1. Particulate - 0.69 tons
 2. Sulfur Dioxide - 0.03 tons
 3. Carbon Monoxide - 1.75 tons
 4. [MOVED TO SG23]
 5. [MOVED TO SG23]
- c. The total natural gas combusted during any consecutive 12-month period shall not exceed 100 million cubic feet.



SECTION D. Source Level Requirements

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall record the following for the furnace each month, and maintain a 12-month rolling total:

- a. Natural Gas Fired
- b. NOx emissions

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

*** Permit Shield in Effect. ***

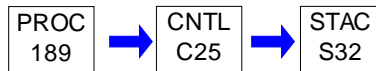
**SECTION D. Source Level Requirements**

Source ID: 189

Source Name: AOD VESSEL #3 - B-113

Source Capacity/Throughput: 40.000 Tons/HR STEEL ALLOYS

Conditions for this source occur in the following groups: SG03 MELT SHOP
 SG03B NEW MELT SHOP CAM
 SG23 RACT 1 REQUIREMENTS
 SG25 RACT 2 CASE-BY-CASE REQUIREMENTS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 192

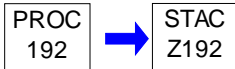
Source Name: COLD CLEAN PARTS WASHERS

Source Capacity/Throughput:

50.000 Gal/HR

MINERAL SPIRITS

Conditions for this source occur in the following groups: SG23 RACT 1 REQUIREMENTS

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §129.63]****Degreasing operations**

The permittee shall not use in a cold cleaning machine any solvent, with greater than 5% VOC by weight in the amount of 2 gallons or more, that has a vapor pressure of 1.0 millimeter of mercury (mm Hg) or greater measured at 20°C (68°F).

The above requirement does not apply:

- To cold cleaning machines used in extreme cleaning service.
- If the permittee demonstrates, and the Department approves in writing, that compliance with these conditions will result in unsafe operating conditions.
- To immersion cold cleaning machines with a freeboard ratio equal to or greater than 0.75.

Control Device Efficiency Restriction(s).**# 002 [25 Pa. Code §129.63]****Degreasing operations**

Any immersion cold cleaning machine shall have a freeboard ratio of 0.50 or greater. The following units are exempt from this requirement:

- Tag No. 42, Building 55
- Tag No. 45, Building 112
- Tag No. 87, Building 112
- Tag No. 95, Building 112

This exemption is based on the permittee complying with 25 PA Code Section 129.51.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

For sources with an opening over 10 square feet in this source group, the permittee shall maintain records of the source location, size, solvent type and VOC emissions. The list shall be updated annually and made available to the Department upon request. The permittee shall notify the Department of any new sources that increase the emissions of VOC by more than 1 ton during any consecutive 12-month period, except for sources specifically exempted by 25 Pa. Code Section 127.14. Any new sources subject to the Department's Chapter 127 permitting requirements will be required to receive a Plan Approval before construction.

004 [25 Pa. Code §129.63]**Degreasing operations**

The permittee shall maintain an inventory of the cold cleaning machines used at the facility. The inventory shall be updated each January. The inventory shall include the following information:

- a. Type of unit
- b. Size of the unit in gallons of solvent
- c. Solvent used
- d. Freeboard ratio
- e. Location of the unit at the facility

The permittee shall maintain for at least two (2) years and shall provide to the Department, on request, the following information:

- a. The name and address of the solvent supplier.
- b. Type of solvent including the product or vendor identification number.
- c. The vapor pressure of the solvent measured in millimeters of mercury (mmHg) at 20°C (68°F).

An invoice, bill of sale, certificate that corresponds to a number of sales, Material Safety Data Sheet (MSDS), or other appropriate documentation acceptable to the Department may be used to comply with this section.

005 [25 Pa. Code §129.63]**Degreasing operations**

The permittee shall maintain the following records:

- a. Sufficient data and calculations to clearly demonstrate that the emission limitations or control requirements are met. Information shall be recorded and maintained in a time frame consistent with the averaging period of the standard.
- b. The records shall be made available to the Department on request.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.**# 006 [25 Pa. Code §129.63]****Degreasing operations**

The immersion cold cleaning machine shall be equipped with a cover that shall be closed at all times except during

**SECTION D. Source Level Requirements**

cleaning of parts or the addition or removal of solvent. For remote reservoir cold cleaning machines which drain directly into the solvent storage reservoir, a perforated drain with a diameter of not more than six (6) inches shall constitute an acceptable cover.

007 [25 Pa. Code §129.63]**Degreasing operations**

The permittee shall operate all immersion cold cleaning machines and remote reservoir cold cleaning machines as follows:

- a. Waste solvent shall be collected and stored in closed containers. The closed containers may contain a device that allows pressure relief, but does not allow liquid solvent to drain from the container.
- b. Flushing of parts using a flexible hose or other flushing device shall be performed only within the cold cleaning machine. The solvent spray shall be a solid fluid stream, not an atomized or shower spray.
- c. Sponge, fabric, wood, leather, paper products and other absorbent materials may not be cleaned in the cleaning machine.
- d. Air agitated solvent baths may not be used.
- e. Spills during solvent transfer and use of cold cleaning machines shall be cleaned-up immediately.
- f. Cleaned parts should be drained at least 15 seconds or until dripping ceases, whichever is longer. Parts having cavities or blind holes shall be tipped or rotated while the part is draining. During the draining, tipping or rotating, the parts should be positioned so that the solvent drains directly back to the cold cleaning machine.
- g. When a pump-agitated solvent bath is used, the agitator should be operated to produce a rolling motion of the solvent with no observable splashing of the solvent against the tank walls or the parts being cleaned.
- h. Work area fans should be located and positioned so that they do not blow across the opening of the cold cleaning machine.

Each unit shall be equipped with a permanent, conspicuous label summarizing the above operating requirements.

VII. ADDITIONAL REQUIREMENTS.**# 008 [25 Pa. Code §129.63]****Degreasing operations**

The permittee that operates a parts washer or cold cleaning machine that uses two gallons or more of solvent containing greater than 5% VOC by weight for the cleaning of metal parts shall comply with the requirements in this section.

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 193

Source Name: SCRAP CUT POWDER TORCH B-115

Source Capacity/Throughput:	0.200 MCF/HR	NATURAL GAS
	3.400 Tons/HR	SCRAP STEEL

Conditions for this source occur in the following groups: SG11A NNSR SOURCES #1

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

The permittee shall not permit the emission to the atmosphere of particulate matter from the source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

003 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The emissions of particulate matter from the Torch Scrap Cutting Operation shall not exceed 1.0 ton during any consecutive 12-month period.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Sections 64.3, 64.6 & 64.7, CAM]

The permittee shall use the pressure drop across the fabric collector to monitor its performance in the control of emissions from the source.

The permittee shall operate and maintain approved equipment (differential manometer or equivalent) to measure the pressure drop across the fabric collector.

**SECTION D. Source Level Requirements**

The permittee shall monitor the pressure drop across the fabric collector once per day during the operation of the source.

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this condition is derived from 40 CFR Sections 64.8 & 64.9, CAM]

The permittee shall maintain the following information:

- a. Daily pressure drop readings across the fabric collector.
- b. All excursions and corrective actions taken in response to an excursion and the time elapsed until the corrective actions have been taken and completed.
- c. All inspections, calibrations and maintenance performed on the process monitoring equipment. Any adjustments, repairs and/or replacements shall be recorded. These shall include the date and personnel conducting the actions.
- d. All monitoring equipment downtime incidents (other than downtime associated with accuracy checks or calibration checks). These shall include dates, times and durations, possible causes and corrective actions taken for the incidents.
- e. The results of the CAM quarterly and annual equipment inspections. These shall include any corrective actions taken.

All CAM records shall be maintained in a manner acceptable to the Department.

V. REPORTING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this condition is derived from 40 CFR Section 64.9, CAM]

The permittee shall report the following items:

- a. All malfunctions and excursions, corrective actions taken, dates, times, duration and possible causes of events involving the source to the Department every six months.
- b. All monitoring equipment down time incidents (other than downtime associated with accuracy or calibration checks), their dates, times and durations, possible causes and corrective actions taken, every six months.

A report is required whether or not any excursions occurred. This shall be part of the semi-annual compliance report.

VI. WORK PRACTICE REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this condition is derived from 40 CFR Sections 64.3, 64.6, 64.7 & 64.8, CAM]

The permittee shall operate the source in the following manner:

**SECTION D. Source Level Requirements**

- a. For the purpose of determining the need for a QIP, the permittee shall use the pressure drop range determined pursuant to Condition 006 in Section C. The range may be modified by the permittee with prior approval from the Department.
- b. The daily readings shall be averaged over a calendar week. An excursion occurs, if this average value is outside of the range established above. Failure to perform a daily monitoring and/or record keeping of the process parameter shall also be defined as an excursion.
- c. Weekly inspect the manometer or equivalent to see that it returns to zero or in the case of a U-tube level. If not it shall be zeroed or leveled. The tubing to and from the meter shall be checked for leakage and/or blockage, once per quarter. If a mechanical device is used to measure the pressure drop, the device shall be calibrated once per year.
- d. Spare monitoring equipment and related parts shall be maintained on site for routine repairs/replacement.

008 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Section 64.8, CAM]

The permittee shall develop and implement a quality improvement plan (QIP) if the following occurs:

- a. The pressure drop across the fabric filter exceeds the limits in Condition #007, six or more times during any consecutive 6-month period.
- b. The Department determines after review of all reported information that the permittee has not responded acceptably to an excursion.

The QIP should be developed within 60 days and the permittee shall provide a copy of the QIP to the Department. Furthermore, the permittee shall notify the Department if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.

The permittee shall record any actions taken to implement a QIP during a reporting period and all related actions including, but not limited to, inspections, repairs and maintenance performed on the monitoring equipment.

In accordance with 40 CFR Section 64.8, CAM, the QIP shall include procedures for evaluating the control performance problems. Based on the results of the evaluation procedures, the QIP shall be modified to include procedures for conducting more frequent or improved monitoring in conjunction with one or more of the following:

- a. Improved preventive maintenance practices
- b. Process operation changes
- c. Appropriate improvements in control methods
- d. Other step appropriate to correct performance

Following implementation of the QIP, the Department will require reasonable revisions to the QIP if the plan has failed to either:

- a. Address the cause of the control device performance problem
- b. Provide adequate procedures for correcting control device performance as expeditiously as practicable in accordance with good air pollution practices for minimizing emissions.

Implementation of a QIP shall not excuse the permittee from compliance with any existing emission limitation or standard or any existing monitoring, testing, reporting, work practice and record keeping requirements that may apply under any federal, state or local laws or any other applicable requirement under the Clean Air Act.

**SECTION D. Source Level Requirements****# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Section 64.7, CAM]

The permittee shall inspect the fabric collector and associated equipment for the following:

a. Quarterly:

1. Leaks in the exhaust ductwork to and from the collector
2. Leak in the collector and associated equipment
3. Leaks in the waste collection system

b. Annually:

1. Wear in the exhaust fan, filter media, collector internal parts and collector housing
2. The waste removal system for operability.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 194

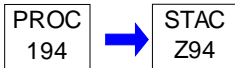
Source Name: KEROSENE TREATMENT

Source Capacity/Throughput:

3.000 Gal/HR

KEROSENE

Conditions for this source occur in the following groups: SG23 RACT 1 REQUIREMENTS
 SG24 RACT 2 PRESUMPTIVE REQUIREMENTS
 SG29 RACT 3 PRESUMPTIVE REQUIREMENTS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.**# 001 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall keep monthly records of VOC emissions emitted from this source to demonstrate compliance with condition #001. The records shall be maintained in a manner approved by the Department. The records shall be kept at the site for the most recent 5 year period and be submitted to the Department upon request.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

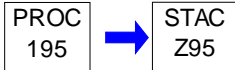
No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 195 Source Name: TCE- WEB VAPOR DEGREASER
 Source Capacity/Throughput: 10.000 Lbs/HR TRICHLOROETHYLE

Conditions for this source occur in the following groups: SG23 RACT 1 REQUIREMENTS
 SG24 RACT 2 PRESUMPTIVE REQUIREMENTS
 SG29 RACT 3 PRESUMPTIVE REQUIREMENTS

**I. RESTRICTIONS.****Emission Restriction(s).**

**# 001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.471]
 Subpart T--National Emission Standards for Halogenated Solvent Cleaning
 Facility-wide standards.**

Each owner or operator of an affected facility shall comply with the requirements specified in this section. For purposes of this section, affected facility means all solvent cleaning machines, except solvent cleaning machines used in the manufacture and maintenance of aerospace products, solvent cleaning machines used in the manufacture of narrow tubing, and continuous web cleaning machines, located at a major source that are subject to the facility-wide limits in paragraph (b)(2) of this section, and for area sources, affected facility means all solvent cleaning machines, except cold batch cleaning machines, located at an area source that are subject to the facility-wide limits in paragraph (b)(2) of this section. NOT APPLICABLE - THE ONLY AFFECTED SOURCE IS SOURCE 195 WHICH IS A CONTINUOUS WEB CLEANING MACHINE

Control Device Efficiency Restriction(s).

**# 002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.463]
 Subpart T--National Emission Standards for Halogenated Solvent Cleaning
 Batch vapor and in-line cleaning machine standards**

- a. Except as provided in 40 CFR Section 63.464 for all cleaning machines, each owner or operator of a solvent cleaning machine subject to the provisions of this subpart shall ensure that each existing or new batch vapor or in-line solvent cleaning machine subject to the provisions of this subpart conforms to the design requirements specified in paragraphs (a)(1) through (7) of this section. The owner or operator of a continuous web cleaning machine shall comply with the requirements of paragraph (g) or (h) of this section, as appropriate, in lieu of complying with this paragraph. SECTION DOES NOT APPLY - SOURCE 195 IS A CONTINUOUS WEB CLEANING MACHINE.
- b. Except as provided in 40 CFR Section 63.464, each owner or operator of an existing or new batch vapor cleaning machine shall comply with either paragraph (b)(1) or (b)(2) of this section. SECTION DOES NOT APPLY - SOURCE 195 IS NOT AT BATCH VAPOR DEGREASER
- c. Except as provided in 40 CFR Section 63.464 for all cleaning machines, each owner or operator of an in-line cleaning machine shall comply with paragraph (c)(1) or (2) of this section as appropriate. The owner or operator of a continuous web cleaning machine shall comply with the requirements of paragraph (g) or (h) of this section, as appropriate, in lieu of complying with this paragraph. SECTION DOES NOT APPLY - SOURCE 195 IS A CONTINUOUS WEB CLEANING MACHINE
- d. Except as provided in 40 CFR Section 63.464 for all cleaning machines, each owner or operator of an existing or new batch vapor or in-line solvent cleaning machine shall meet all of the following required work and operational practices specified in paragraphs (d)(1) through (12) of this section as applicable. The owner or operator of a continuous web cleaning machine shall comply with the requirements of paragraph (g) or (h) of this section, as appropriate, in lieu of complying with this paragraph. SECTION DOES NOT APPLY - SOURCE 195 IS A CONTINUOUS WEB CLEANING

**SECTION D. Source Level Requirements****MACHINE**

e. Each owner or operator of a solvent cleaning machine complying with paragraph (b), (c), (g), or (h) of this section shall comply with the requirements specified in paragraphs (e)(1) through (4) of this section.

1. Conduct monitoring of each control device used to comply with 40 CFR Section 63.463 of this subpart as provided in 40 CFR Section 63.466.

2. Determine during each monitoring period whether each control device used to comply with these standards meets the requirements specified in paragraphs (e)(2)(i) through (xi) of this section.

i. If a freeboard refrigeration device is used to comply with these standards, the owner or operator shall ensure that the chilled air blanket temperature (in °F), measured at the center of the air blanket, is no greater than 30 percent of the solvent's boiling point.

ii. If a reduced room draft is used to comply with these standards, the owner or operator shall comply with the requirements specified in paragraphs (e)(2)(ii)(A) and (e)(2)(ii)(B) of this section. NOT APPLICABLE - THIS COMPLIANCE OPTION IS NOT USED

iii. If a working-mode cover is used to comply with these standards, the owner or operator shall comply with the requirements specified in paragraphs (e)(2)(iii)(A) and (e)(2)(iii)(B) of this section. NOT APPLICABLE - WORKING MODE COVER NOT USED

iv. If an idling-mode cover is used to comply with these standards, the owner or operator shall comply with the requirements specified in paragraphs (e)(2)(iv)(A) and (e)(2)(iv)(B) of this section.

A. Ensure that the cover is in place whenever parts are not in the solvent cleaning machine and completely covers the cleaning machine openings when in place.

B. Ensure that the idling-mode cover is maintained free of cracks, holes, and other defects.

v. If a dwell is used to comply with these standards, the owner or operator shall comply with the requirements specified in paragraphs (e)(2)(v)(A) and (e)(2)(v)(B) of this section. NOT APPLICABLE - DWELL NOT USED

vi. If a superheated vapor system is used to comply with these standards, the owner or operator shall comply with the requirements specified in paragraphs (e)(2)(vi)(A) through (e)(2)(vi)(C) of this section. NOT APPLICABLE - SUPERHEATED VAPOR SYSTEM NOT USED

vii. If a carbon adsorber in conjunction with a lip exhaust or other exhaust internal to the cleaning machine is used to comply with these standards, the owner or operator shall comply with the following requirements: NOT APPLICABLE - CARBON ADSORBER NOT USED

viii. If a superheated part system is used to comply with the standards for continuous web cleaning machines in paragraph (g) of this section, the owner or operator shall ensure that the temperature of the continuous web part is at least 10 degrees Fahrenheit above the solvent boiling point while the part is traveling through the cleaning machine. NOT APPLICABLE - SUPERHEATED PART SYSTEM NOT USED

ix. If a squeegee system is used to comply with the continuous web cleaning requirements of paragraph (g)(3)(iii) or (h)(2)(i) of this section, the owner or operator shall comply with the following requirements.

A. Determine the appropriate maximum product throughput for the squeegees used in the squeegee system, as described in 40 CFR Section 63.465(f).

B. Conduct the weekly monitoring required by 40 CFR Section 63.466(a)(3). Record the results required by 40 CFR Section 63.467(a)(6).

**SECTION D. Source Level Requirements**

C. Calculate the total amount of continuous web product processed since the squeegees were replaced and compare to the maximum product throughput for the squeegees.

D. Ensure squeegees are replaced at or before the maximum product throughput is attained.

E. Redetermine the maximum product throughput for the squeegees if any solvent film is visible on the continuous web part immediately after it exits the cleaning machine.

x. If an air knife system is used to comply with the continuous web cleaning requirements of paragraph (g)(3)(iii) or (h)(2)(i) of this section, the owner or operator shall comply with the following requirements. NOT APPLICABLE - AIR KNIFE SYSTEM NOT USED.

xi. If a combination squeegee and air knife system is used to comply with the continuous web cleaning requirements of paragraph (g)(3)(iii) or (h)(2)(i) of this section, the owner or operator shall comply with the following requirements. NOT APPLICABLE - AIR KNIFE SYSTEM NOT USED.

3. If any of the requirements of paragraph (e)(2) of this section are not met, determine whether an exceedance has occurred using the criteria in paragraphs (e)(3)(i) and (e)(3)(ii) of this section.

i. An exceedance has occurred if the requirements of paragraphs (e)(2)(ii)(B), (e)(2)(iii)(A), (e)(2)(iv)(A), (e)(2)(v), (e)(2)(vi)(B), (e)(2)(vi)(C), (e)(2)(vii)(B), or (e)(2)(vii)(C) of this section have not been met.

ii. An exceedance has occurred if the requirements of paragraphs (e)(2)(i), (e)(2)(ii)(A), (e)(2)(iii)(B), (e)(2)(iv)(B), (e)(2)(vi)(A), or (e)(2)(vii)(A) of this section have not been met and are not corrected within 15 days of detection. Adjustments or repairs shall be made to the solvent cleaning system or control device to reestablish required levels. The parameter must be remeasured immediately upon adjustment or repair and demonstrated to be within required limits.

4. The owner or operator shall report all exceedances and all corrections and adjustments made to avoid an exceedance as specified in 40 CFR Section 63.468(h).

f. Each owner or operator of a batch vapor or in-line solvent cleaning machine complying with the idling emission limit standards in paragraphs (b)(1)(ii), (b)(2)(ii), (c)(1)(ii), or (c)(2)(ii) of this section shall comply with the requirements specified in paragraphs (f)(1) through (f)(5) of this section. SECTION DOES NOT APPLY - SOURCE 195 IS A CONTINUOUS WEB CLEANING MACHINE.

g. Except as provided in 40 CFR Section 63.464 and in paragraph (h) of this section for remote reservoir continuous web cleaning machines, each owner or operator of a continuous web cleaning machine shall comply with paragraphs (g)(1) through (4) of this section for each continuous web cleaning machine.

1. Except as provided in paragraph (g)(2) of this section, install, maintain, and operate one of the following control combinations on each continuous web cleaning machine.

i. For each existing continuous web cleaning machine, the following control combinations are allowed:

A. Superheated vapor or superheated part technology, and a freeboard ratio of 1.0 or greater. COMPLIANCE OPTION NOT USED

B. Freeboard refrigeration device and a freeboard ratio of 1.0 or greater.

C. Carbon adsorption system meeting the requirements of paragraph (e)(2)(vii) of this section. COMPLIANCE OPTION NOT USED

ii. For each new continuous web cleaning machine, the following control combinations are allowed: NOT APPLICABLE - SOURCE 195 IS AN EXISTING SOURCE

2. If a carbon adsorber system can be demonstrated to the Administrator's satisfaction to have an overall solvent control efficiency (i.e., capture efficiency removal efficiency) of 70 percent or greater, this system is equivalent to the options in paragraph (g) of this section. NOT APPLICABLE

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3. In lieu of complying with the provisions of paragraph (a) of this section, the owner or operator of a continuous web cleaning machine shall comply with the following provisions:

i. Each cleaning machine shall meet one of the following control equipment or technique requirements:

A. An idling and downtime mode cover, as described in paragraph (d)(1)(i) of this section, that may be readily opened or closed; that completely covers the cleaning machine openings when in place; and is free of cracks, holes, and other defects. A continuous web part that completely occupies an entry or exit port when the machine is idle is considered to meet this requirement.

B. A reduced room draft as described in paragraph (e)(2)(ii) of this section. NOT APPLICABLE - COMPLIANCE OPTION NOT USED

C. Gasketed or leakproof doors that separate both the continuous web part feed reel and take-up reel from the room atmosphere if the doors are checked according to the requirements of paragraph (e)(2)(iii) of this section. NOT APPLICABLE - COMPLIANCE OPTION NOT USED

D. A cleaning machine that is demonstrated to the Administrator's satisfaction to be under negative pressure during idling and downtime and is vented to a carbon adsorption system that meets the requirements of either paragraph (e)(2)(vii) of this section or paragraph (g)(2) of this section. NOT APPLICABLE - COMPLIANCE OPTION NOT USED

ii. Each continuous web cleaning machine shall have a freeboard ratio of 0.75 or greater unless that cleaning machine is a remote reservoir continuous web cleaning machine. NOT APPLICABLE - REFRIGERATION DEVICE AND 1.0 FREEBOARD RATIO CONTROL OPTION CHOSEN ABOVE.

iii. Each cleaning machine shall have an automated parts handling system capable of moving parts or parts baskets at a speed of 3.4 meters per minute (11 feet per minute) or less from the initial loading of parts through removal of cleaned parts, unless the cleaning machine is a continuous web cleaning machine that has a squeegee system or air knife system installed, maintained, and operated on the continuous web cleaning machine meeting the requirements of paragraph (e) of this section. NOT APPLICABLE - SQUEEGEE SYSTEM USED

iv. Each vapor cleaning machine shall be equipped with a device that shuts off the sump heat if the sump liquid solvent level drops to the sump heater coils. This requirement does not apply to a vapor cleaning machine that uses steam to heat the solvent.

v. Each vapor cleaning machine shall be equipped with a vapor level control device that shuts off sump heat if the vapor level in the vapor cleaning machine rises above the height of the primary condenser.

vi. Each vapor cleaning machine shall have a primary condenser.

vii. Each cleaning machine that uses a lip exhaust or any other exhaust within the solvent cleaning machine shall be designed and operated to route all collected solvent vapors through a properly operated and maintained carbon adsorber that meets the requirements of either paragraph (e)(2)(vii) or (g)(2) of this section. NOT APPLICABLE - SOURCE 195 DOES NOT USE A LIP EXHAUST OR ANY OTHER EXHAUST WITHIN THE SOLVENT CLEANING MACHINE

4. In lieu of complying with the provisions of paragraph (d) of this section, the owner or operator of a continuous web cleaning machine shall comply with the following provisions:

i. Control air disturbances across the cleaning machine opening(s) by incorporating one of the following control equipment or techniques:

A. Cover(s) to each solvent cleaning machine shall be in place during the idling mode and during the downtime mode unless either the solvent has been removed from the machine or maintenance or monitoring is being performed that requires the cover(s) in place. A continuous web part that completely occupies an entry or exit port when the machine is idle is considered to meet this requirement.

**SECTION D. Source Level Requirements**

B. A reduced room draft as described in paragraph (e)(2)(ii) of this section. NOT APPLICABLE - COMPLIANCE OPTION NOT CHOSEN

C. Gasketed or leakproof doors or covers that separate both the continuous web part feed reel and take-up reel from the room atmosphere if the doors are checked according to the requirements of paragraph (e)(2)(iii) of this section. NOT APPLICABLE - COMPLIANCE OPTION NOT CHOSEN

D. A cleaning machine that is demonstrated to the Administrator's satisfaction to be under negative pressure during idling and downtime and is vented to a carbon adsorption system that meets either the requirements of paragraph (e)(2)(vii) of this section or paragraph (g)(2) of this section. NOT APPLICABLE - COMPLIANCE OPTION NOT CHOSEN

ii. Any spraying operations shall be conducted in a section of the solvent cleaning machine that is not directly exposed to the ambient air (i.e., a baffled or enclosed area of the solvent cleaning machine) or within a machine having a door or cover that meets the requirements of paragraph (g)(4)(i)(C) of this section. NOT APPLICABLE - SOURCE 195 DOES NOT USE SPRAYING.

iii. During startup of each vapor cleaning machine, the primary condenser shall be turned on before the sump heater.

iv. During shutdown of each vapor cleaning machine, the sump heater shall be turned off and the solvent vapor layer allowed to collapse before the primary condenser is turned off.

v. When solvent is added or drained from any solvent cleaning machine, the solvent shall be transferred using threaded or other leakproof couplings, and the end of the pipe in the solvent sump shall be located beneath the liquid solvent surface.

vi. Each solvent cleaning machine and associated controls shall be maintained as recommended by the manufacturers of the equipment or using alternative maintenance practices that have been demonstrated to the Administrator's satisfaction to achieve the same or better results as those recommended by the manufacturer.

vii. Waste solvent, still bottoms, sump bottoms, and waste absorbent materials used in the cleaning process for continuous web cleaning machines shall be collected and stored in waste containers. The closed containers may contain a device that would allow pressure relief, but would not allow liquid solvent to drain from the container.

viii. Except as provided in paragraph (g)(4)(ix) of this section, sponges, fabric, wood, and paper products shall not be cleaned.

ix. The prohibition in paragraph (g)(4)(viii) of this section does not apply to absorbent materials that are used as part of the cleaning process of continuous web cleaning machines, including rollers and roller covers.

h. Except as provided in 40 CFR Section 63.464, each owner or operator of a remote reservoir continuous web cleaning machine shall comply with paragraphs (h)(1) through (4) of this section. NOT APPLICABLE - SOURCE 195 IS NOT A REMOTE RESERVOIR CONTINUOUS WEB CLEANING MACHINE.

II. TESTING REQUIREMENTS.

003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.465]

Subpart T--National Emission Standards for Halogenated Solvent Cleaning

Test methods

a. Except as provided in paragraphs (f) and (g) of this section for continuous web cleaning machines, each owner or operator of a batch vapor or in-line solvent cleaning machine complying with an idling emission limit standard in 40 CFR Sections 63.463(b)(1)(ii), (b)(2)(ii), (c)(1)(ii), or (c)(2)(ii) shall determine the idling emission rate of the solvent cleaning machine using Reference Method 307 in appendix A of this part. NOT APPLICABLE - SOURCE 195 IS A CONTINUOUS WEB CLEANING MACHINE

**SECTION D. Source Level Requirements**

b. Except as provided in paragraph (g) of this section for continuous web cleaning machines, each owner or operator of a batch vapor or in-line solvent cleaning machine complying with 40 CFR Section 63.464 shall, on the first operating day of every month ensure that the solvent cleaning machine system contains only clean liquid solvent. This includes, but is not limited to, fresh unused solvent, recycled solvent, and used solvent that has been cleaned of soils. A fill line must be indicated during the first month the measurements are made. The solvent level within the machine must be returned to the same fill-line each month, immediately prior to calculating monthly emissions as specified in paragraph (c) of this section. The solvent cleaning machine does not have to be emptied and filled with fresh unused solvent prior to the calculations. NOT APPLICABLE - SOURCE 195 IS A CONTINUOUS WEB CLEANING MACHINE

c. Except as provided in paragraphs (f) and (g) of this section for continuous web cleaning machines, each owner or operator of a batch vapor or in-line solvent cleaning machine complying with 40 CFR Section 63.464 shall, on the first operating day of the month, comply with the requirements specified in paragraphs (c)(1) through (3) of this section. NOT APPLICABLE - SOURCE 195 IS A CONTINUOUS WEB CLEANING MACHINE

d. Each owner or operator of a batch vapor or in-line solvent cleaning machine using a dwell to comply with 40 CFR Section 63.463 shall determine the appropriate dwell time for each part or parts basket using the procedure specified in paragraphs (d)(1) and (d)(2) of this section. NOT APPLICABLE - DWELL TIME NOT USED

e. An owner or operator of a source shall determine their potential to emit from all solvent cleaning operations, using the procedures described in paragraphs (e)(1) through (e)(3) of this section. A facility's total potential to emit is the sum of the HAP emissions from all solvent cleaning operations, plus all HAP emissions from other sources within the facility.

1. Determine the potential to emit for each individual solvent cleaning using equation 6.

$$PTE_i = H_i \times W_i \times SAI_i \quad (6)$$

Where:

PTE_i = the potential to emit for solvent cleaning machine i (kilograms of solvent per year).

H_i = hours of operation for solvent cleaning machine i (hours per year).

= 8760 hours per year, unless otherwise restricted by a Federally enforceable requirement.

W_i = the working mode uncontrolled emission rate (kilograms per square meter per hour).

= 1.95 kilograms per square meter per hour for batch vapor and cold cleaning machines.

= 1.12 kilograms per square meter per hour for in-line cleaning machines.

SAI_i = solvent/air interface area of solvent cleaning machine i (square meters). 40 CFR Section 63.461 defines the solvent/air interface area for those machines that have a solvent/air interface. Cleaning machines that do not have a solvent/air interface shall calculate a solvent/air interface area using the procedure in paragraph (e)(2) of this section.

2. Cleaning machines that do not have a solvent/air interface shall calculate a solvent/air interface area using equation 7.

$$SAI = 2.20 * (Vol)^{E0.6} \quad (7)$$

Where:

SAI = the solvent/air interface area (square meters).

Vol = the cleaning capacity of the solvent cleaning machine (cubic meters).

3. Sum the PTE_i for all solvent cleaning operations to obtain the total potential to emit for solvent cleaning operations at the facility.

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f. Each owner or operator of a continuous web cleaning machine using a squeegee system to comply with 40 CFR Section 63.463(g)(3) shall determine the maximum product throughput using the method in this paragraph. The maximum product throughput for each squeegee type used at a facility must be determined prior to December 2, 1999, the compliance date for these units.

1. Conduct daily visual inspections of the continuous web part. This monitoring shall be conducted at the point where the continuous web part exits the squeegee system. It is not necessary for the squeegees to be new at the time monitoring is begun if the following two conditions are met:

- i. The continuous web part leaving the squeegee system has no visible solvent film.
- ii. The amount of continuous web that has been processed through the squeegees since the last replacement is known.

2. Continue daily monitoring until a visible solvent film is noted on the continuous web part.

3. Determine the length of continuous web product that has been cleaned using the squeegee since it was installed.

4. The maximum product throughput for the purposes of this rule is equal to the time it takes to clean 95 percent of the length of product determined in paragraph (f)(3) of this section. This time period, in days, may vary depending on the amount of continuous web product cleaned each day.

g. Each owner or operator of a continuous web cleaning machine demonstrating compliance with the alternative standard of 40 CFR Section 63.464(d) shall, on the first day of every month, ensure that the solvent cleaning machine contains only clean liquid solvent. This includes, but is not limited to, fresh unused solvent, recycled solvent, and used solvent that has been cleaned of soils. A fill-line must be indicated during the first month the measurements are made. The solvent level with the machine must be returned to the same fill-line each month, immediately prior to calculating overall cleaning system control efficiency emissions as specified in paragraph (h) in this section. The solvent cleaning machine does not need to be emptied and filled with fresh unused solvent prior to the calculation. NOT APPLICABLE - 63.464 OPTION NOT USED

h. Each owner or operator of a continuous web cleaning machines complying with 40 CFR Section 63.464(d) shall, on the first operating day of the month, comply with the following requirements. NOT APPLICABLE - 63.464 OPTION NOT USED

III. MONITORING REQUIREMENTS.

004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.466]

Subpart T--National Emission Standards for Halogenated Solvent Cleaning

Monitoring procedures

a. Except as provided in paragraph (g) of this section, each owner or operator of a batch vapor or in-line solvent cleaning machine complying with the equipment standards in 40 CFR Sections 63.463(b)(1)(i), (b)(2)(i), (c)(1)(i), (c)(2)(i), (g)(1), or (g)(2) shall conduct monitoring and record the results on a weekly basis for the control devices, as appropriate, specified in paragraphs (a)(1) through (5) of this section.

1. If a freeboard refrigeration device is used to comply with these standards, the owner or operator shall use a thermometer or thermocouple to measure the temperature at the center of the air blanket during the idling mode.

2. If a superheated vapor system is used to comply with these standards, the owner or operator shall use a thermometer or thermocouple to measure the temperature at the center of the superheated solvent vapor zone while the solvent cleaning machine is in the idling mode. NOT APPLICABLE - COMPLIANCE OPTION NOT USED

3. If a squeegee system, air knife system, or combination squeegee and air knife system is used to comply with the requirements of 40 CFR Sections 63.463(g) or (h), the owner or operator shall visually inspect the continuous web part exiting the solvent cleaning machine to ensure that no solvent film is visible on the part.

4. Except as provided in paragraph (a)(5) of this section, if a superheated part system is used to comply with the

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requirements of 40 CFR Sections 63.463(g) or (h), the owner or operator shall use a thermometer, thermocouple, or other temperature measurement device to measure the temperature of the continuous web part while it is in the solvent cleaning machine. This measurement can also be taken at the exit of the solvent cleaning machine. NOT APPLICABLE - COMPLIANCE OPTION NOT USED

5. As an alternative to complying with paragraph (a)(4) of this section, the owner or operator can provide data, sufficient to satisfy the Administrator, that demonstrate that the part temperature remains above the boiling point of the solvent at all times that the part is within the continuous web solvent cleaning machine. This data could include design and operating conditions such as information supporting any exothermic reaction inherent in the processing. NOT APPLICABLE - COMPLIANCE OPTION NOT USED

b. Except as provided in paragraph (g) of this section, each owner or operator of a batch vapor or in-line solvent cleaning machine complying with the equipment standards of 40 CFR Sections 63.463 (b)(1)(i), (b)(2)(i), (c)(1)(i), or (c)(2)(i) shall conduct monitoring and record the results on a monthly basis for the control devices, as appropriate, specified in paragraphs (b)(1) and (b)(2) of this section.

1. If a cover (working-mode, downtime-mode, and/or idling-mode cover) is used to comply with these standards, the owner or operator shall conduct a visual inspection to determine if the cover is opening and closing properly, completely covers the cleaning machine openings when closed, and is free of cracks, holes, and other defects.

2. If a dwell is used, the owner or operator shall determine the actual dwell time by measuring the period of time that parts are held within the freeboard area of the solvent cleaning machine after cleaning. NOT APPLICABLE - CONTROL METHOD NOT USED

c. Except as provided in paragraph (g) of this section, each owner or operator of a batch vapor or in-line solvent cleaning machine complying with the equipment or idling standards in 40 CFR Section 63.463 shall monitor the hoist speed as described in paragraphs (c)(1) through (c)(4) of this section. NOT APPLICABLE - HOIST IS NOT USED

d. Except as provided in paragraph (g) of this section, each owner or operator of a batch vapor or in-line solvent cleaning machine complying with the equipment standards in 40 CFR Sections 63.463 (b)(1)(i), (b)(2)(i), (c)(1)(i), or (c)(2)(i) using a reduced room draft shall conduct monitoring and record the results as specified in paragraph (d)(1) or (d)(2) of this section. NOT APPLICABLE - LISTED SECTIONS ARE FOR DIFFERENT EQUIPMENT TYPES

e. Except as provided in paragraph (g) of this section, each owner or operator using a carbon adsorber to comply with this subpart shall measure and record the concentration of halogenated HAP solvent in the exhaust of the carbon adsorber weekly with a colorimetric detector tube. This test shall be conducted while the solvent cleaning machine is in the working mode and is venting to the carbon adsorber. The exhaust concentration shall be determined using the procedure specified in paragraphs (e)(1) through (e)(3) of this section. NOT APPLICABLE - CARBON ADSORBER NOT USED

f. Each owner or operator of a batch vapor or in-line solvent cleaning machine complying with the idling emission limit standards of 40 CFR Sections 63.463 (b)(1)(ii), (b)(2)(ii), (c)(1)(ii), or (c)(2)(ii) shall comply with the requirements specified in paragraphs (f)(1) and (f)(2) of this section. NOT APPLICABLE - LISTED SECTIONS ARE FOR DIFFERENT EQUIPMENT TYPES

g. Each owner or operator using a control device listed in paragraphs (a) through (e) of this section can use alternative monitoring procedures approved by the Administrator.

IV. RECORDKEEPING REQUIREMENTS.

005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.467]

**Subpart T--National Emission Standards for Halogenated Solvent Cleaning
Recordkeeping requirements**

a. Each owner or operator of a batch vapor or in-line solvent cleaning machine complying with the provisions of 40 CFR Section 63.463 shall maintain records in written or electronic form specified in paragraphs (a)(1) through (7) of this section

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for the lifetime of the machine.

1. Owner's manuals, or if not available, written maintenance and operating procedures, for the solvent cleaning machine and control equipment.
 2. The date of installation for the solvent cleaning machine and all of its control devices. If the exact date for installation is not known, a letter certifying that the cleaning machine and its control devices were installed prior to, or on, November 29, 1993, or after November 29, 1993, may be substituted.
 3. If a dwell is used to comply with these standards, records of the tests required in 40 CFR Section 63.465(d) to determine an appropriate dwell time for each part or parts basket. NOT APPLICABLE - DWELL OPTION NOT USED
 4. Each owner or operator of a batch vapor or in-line solvent cleaning machine complying with the idling emission limit standards of 40 CFR Sections 63.463(b)(1)(ii), (b)(2)(ii), (c)(1)(ii), or (c)(2)(ii) shall maintain records of the initial performance test, including the idling emission rate and values of the monitoring parameters measured during the test.
 5. Records of the halogenated HAP solvent content for each solvent used in a solvent cleaning machine subject to the provisions of this subpart.
 6. If a squeegee system is used to comply with these standards, records of the test required by 40 CFR Section 63.466(f) to determine the maximum product throughput for the squeegees and records of both the weekly monitoring required by 40 CFR Section 63.466(a)(3) for visual inspection and the length of continuous web product cleaned during the previous week.
 7. If an air knife system or a combination squeegee and air knife system is used to comply with these standards, records of the determination of the proper operating parameter and parameter value for the air knife system. NOT APPLICABLE - COMPLIANCE OPTION NOT USED
- b. Each owner or operator of a batch vapor or in-line solvent cleaning machine complying with 40 CFR Section 63.463 shall maintain records specified in paragraphs (b)(1) through (b)(4) of this section either in electronic or written form for a period of 5 years.
1. The results of control device monitoring required under 40 CFR Section 63.466.
 2. Information on the actions taken to comply with 40 CFR Sections 63.463(e) and (f). This information shall include records of written or verbal orders for replacement parts, a description of the repairs made, and additional monitoring conducted to demonstrate that monitored parameters have returned to accepted levels.
 3. Estimates of annual solvent consumption for each solvent cleaning machine.
 4. If a carbon adsorber is used to comply with these standards, records of the date and results of the weekly measurement of the halogenated HAP solvent concentration in the carbon adsorber exhaust required in 40 CFR Section 63.466(e). NOT APPLICABLE - CARBON ADSORBER NOT USED
- c. Except as provided in paragraph (e) of this section for continuous web cleaning machines, each owner or operator of a batch vapor or in-line solvent cleaning machine complying with the provisions of 40 CFR Section 63.464 shall maintain records specified in paragraphs (c)(1) through (3) of this section either in electronic or written form for a period of 5 years. NOT APPLICABLE - 63.464 OPTION NOT USED
- d. Each owner or operator of a solvent cleaning machine without a solvent/air interface complying with the provisions of 40 CFR Section 63.464 shall maintain records on the method used to determine the cleaning capacity of the cleaning machine. NOT APPLICABLE - 63.464 OPTION NOT USED
- e. Each owner or operator of a continuous web cleaning machine complying with the provisions of 40 CFR Section 63.464(d) shall maintain the following records in either electronic or written form for a period of 5 years. NOT APPLICABLE - 63.464 OPTION NOT USED

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.****# 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.468]****Subpart T--National Emission Standards for Halogenated Solvent Cleaning****Reporting requirements**

- a. Each owner or operator of an existing solvent cleaning machine subject to the provisions of this subpart shall submit an initial notification report to the Administrator no later than August 29, 1995. This report shall include the information specified in paragraphs (a)(1) through (a)(6) of this section. NOTIFICATION COMPLETED IN 1995
- b. Each owner or operator of a new solvent cleaning machine subject to the provisions of this subpart shall submit an initial notification report to the Administrator. New sources for which construction or reconstruction had commenced and initial startup had not occurred before December 2, 1994, shall submit this report as soon as practicable before startup but no later than January 31, 1995. New sources for which the construction or reconstruction commenced after December 2, 1994, shall submit this report as soon as practicable before the construction or reconstruction is planned to commence. This report shall include all of the information required in 40 CFR Section 63.5(d)(1) of subpart A (General Provisions), with the revisions and additions in paragraphs (b)(1) through (b)(3) of this section. NOT APPLICABLE - SOURCE 195 IS EXISTING
- c. Each owner or operator of a batch cold solvent cleaning machine subject to the provisions of this subpart shall submit a compliance report to the Administrator. For existing sources, this report shall be submitted to the Administrator no later than 150 days after the compliance date specified in 40 CFR Section 63.460(d). For new sources, this report shall be submitted to the Administrator no later than 150 days after startup or May 1, 1995, whichever is later. This report shall include the requirements specified in paragraphs (c)(1) through (c)(4) of this section. NOT APPLICABLE - SOURCE 195 IS NOT A BATCH MACHINE
- d. Each owner or operator of a batch vapor or in-line solvent cleaning machine complying with the provisions of 40 CFR Section 63.463 shall submit to the Administrator an initial statement of compliance for each solvent cleaning machine. For existing sources, this report shall be submitted to the Administrator no later than 150 days after the compliance date specified in 40 CFR Section 63.460(d). For new sources, this report shall be submitted to the Administrator no later than 150 days after startup or May 1, 1995, whichever is later. This statement shall include the requirements specified in paragraphs (d)(1) through (d)(6) of this section. INITIAL COMPLIANCE STATEMENT SUBMITTED IN 1996
- e. Each owner or operator of a batch vapor or in-line solvent cleaning machine complying with the provisions of 40 CFR Section 63.464 shall submit to the Administrator an initial statement of compliance for each solvent cleaning machine. For existing sources, this report shall be submitted to the Administrator no later than 150 days after the compliance date specified in §63.460(d). For new sources, this report shall be submitted to the Administrator no later than 150 days after startup or May 1, 1995, whichever is later. The statement shall include the information specified in paragraphs (e)(1) through (e)(4) of this section. NOT APPLICABLE - 63.464 OPTION NOT USED
- f. Each owner or operator of a batch vapor or in-line solvent cleaning machine complying with the provisions of 40 CFR Section 63.463 shall submit an annual report by February 1 of the year following the one for which the reporting is being made. This report shall include the requirements specified in paragraphs (f)(1) through (f)(3) of this section.
1. A signed statement from the facility owner or his designee stating that, "All operators of solvent cleaning machines have received training on the proper operation of solvent cleaning machines and their control devices sufficient to pass the test required in 40 CFR Section 63.463(d)(10)."
 2. An estimate of solvent consumption for each solvent cleaning machine during the reporting period.
 3. The reports required under paragraphs (f) and (g) of this section can be combined into a single report for each facility.
- g. Each owner or operator of a batch vapor or in-line solvent cleaning machine complying with the provisions of 40 CFR Section 63.464 shall submit a solvent emission report every year. This solvent emission report shall contain the requirements specified in paragraphs (g)(1) through (g)(4) of this section. NOT APPLICABLE - 63.464 OPTION NOT USED
- h. Each owner or operator of a batch vapor or in-line solvent cleaning machine shall submit an exceedance report to the Administrator semiannually except when, the Administrator determines on a case-by-case basis that more frequent

**SECTION D. Source Level Requirements**

reporting is necessary to accurately assess the compliance status of the source or, an exceedance occurs. Once an exceedance has occurred the owner or operator shall follow a quarterly reporting format until a request to reduce reporting frequency under paragraph (i) of this section is approved. Exceedance reports shall be delivered or postmarked by the 30th day following the end of each calendar half or quarter, as appropriate. The exceedance report shall include the applicable information in paragraphs (h) (1) through (3) of this section.

1. Information on the actions taken to comply with 40 CFR Sections 63.463 (e) and (f). This information shall include records of written or verbal orders for replacement parts, a description of the repairs made, and additional monitoring conducted to demonstrate that monitored parameters have returned to accepted levels.

2. If an exceedance has occurred, the reason for the exceedance and a description of the actions taken.

3. If no exceedances of a parameter have occurred, or a piece of equipment has not been inoperative, out of control, repaired, or adjusted, such information shall be stated in the report.

i. An owner or operator who is required to submit an exceedance report on a quarterly (or more frequent) basis may reduce the frequency of reporting to semiannual if the conditions in paragraphs (i)(1) through (i)(3) of this section are met.

1. The source has demonstrated a full year of compliance without an exceedance.

2. The owner or operator continues to comply with all relevant recordkeeping and monitoring requirements specified subpart A (General Provisions) and in this subpart.

3. The Administrator does not object to a reduced frequency of reporting for the affected source as provided in paragraph (e)(3)(iii) of subpart A (General Provisions).

j. [Reserved]

k. Each owner or operator of a solvent cleaning machine requesting an equivalency determination, as described in 40 CFR Section 63.469 shall submit an equivalency request report to the Administrator. For existing sources, this report must be submitted to the Administrator no later than June 3, 1996. For new sources, this report must be submitted and approved by the Administrator prior to startup. NOT APPLICABLE - EQUIVALENCY OPTION NOT USED

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall comply with the General Provisions of 40 CFR Part 63, Subpart A, as specified in Appendix B to Subpart T of Part 63.

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.460]

**Subpart T--National Emission Standards for Halogenated Solvent Cleaning
Applicability and designation of source**

The web vapor degreaser is subject to Subpart T of the National Emission Standards for Hazardous Air Pollutants for Source Categories and shall comply with all applicable requirements of this Subpart. 40 CFR Section 63.13 requires submission of copies of all requests, reports, application, submittals and other communications to both EPA and the Department.

**SECTION D. Source Level Requirements**

The EPA copies shall be forwarded to:

Director
Air Protection Division (3AP00)
U.S. EPA Region III
1650 Arch Street
Philadelphia, PA 19103-2029

The DEP copies shall be forwarded to the DEP SCRO Air Quality Program Manager at wiweaver@pa.gov, unless otherwise directed in writing by DEP.

In the event that the Federal Subpart that is the subject of this Source Group is revised, the permittee shall comply with the revised version of the subpart, and shall not be required to comply with any provisions in this permit designated as having the subpart as their authority, to the extent that such permit provisions would be inconsistent with the applicable provisions of the revised subpart.

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 200A

Source Name: SIX ANNEALING FURNACE B-4

Source Capacity/Throughput:	25.000 MCF/HR	NATURAL GAS
	171.000 Gal/HR	NO. 2 FUEL OIL

Conditions for this source occur in the following groups: SG05 FURNACES

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

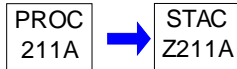
**SECTION D. Source Level Requirements**

Source ID: 211A

Source Name: LADLE HEATERS (TWELVE)

Source Capacity/Throughput:	60.000 MCF/HR	NATURAL GAS
	411.000 Gal/HR	NO. 2 FUEL OIL

Conditions for this source occur in the following groups: SG05 FURNACES

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 221A

Source Name: COIL DRYING FURNACE B-154

Source Capacity/Throughput:

0.625 MMBTU/HR

Conditions for this source occur in the following groups: SG09 FURNACES (<20MMBTU)
SG21

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.203a.]****Applicability determination.**

The permittee shall limit Nitrogen Oxides (NO_x) emissions from Sources 221A and 235F to not more than 8.55 tons during any consecutive 12-month period.

[Reference: 25 PA Code 127.203a(a)(5)(iii)(A)]

Fuel Restriction(s).**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

This source shall fire only commercial natural gas.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.**# 003 [25 Pa. Code §127.203a.]****Applicability determination.**

The permittee shall monthly calculate and record monthly and 12-month rolling totals of emissions of Nitrogen Oxides (NO_x) as NO₂ from Sources 221A and 235F. Each record must be in a form suitable and readily available to the Department for expeditious review for a period of five years.

[Reference: 25 PA Code 127.203a(a)(5)(iii)(B)]

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.**

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

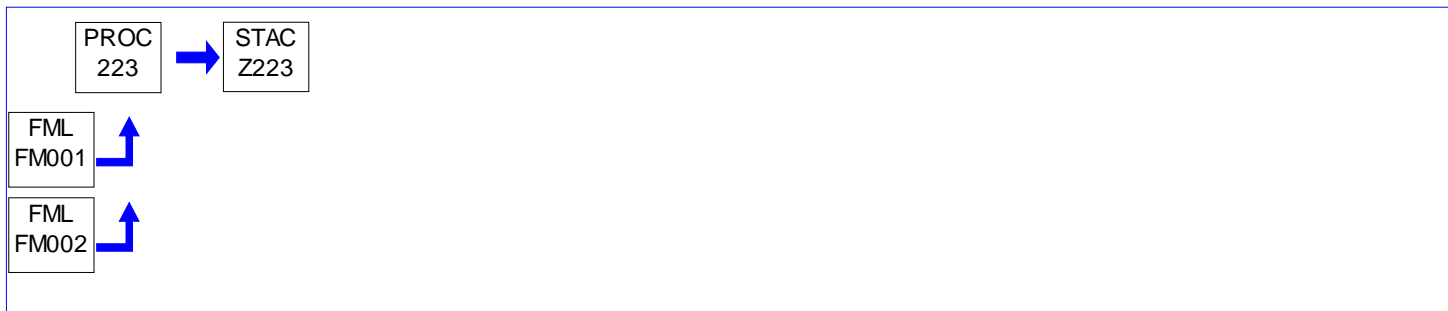
**SECTION D. Source Level Requirements**

Source ID: 223

Source Name: #83 ANNEAL FURN F-332,B48

Source Capacity/Throughput:	8.000 MCF/HR	NATURAL GAS
	55.000 Gal/HR	NO. 2 FUEL OIL

Conditions for this source occur in the following groups: SG09 FURNACES (<20MMBTU)
SG11A NNSR SOURCES #1

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 235A

Source Name: SALT BATH DESCALE B-154

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SG21
SG22

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Total hexavalent chromium emissions shall be less than 0.006 mg/dscm (0.0000026 gr/dscf) based on vendor guarantee.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 235F

Source Name: SALT BATH FURNACE B-154

Source Capacity/Throughput: 8.000 MMBTU/HR

Conditions for this source occur in the following groups: SG20A
SG21**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §127.203a.]

Applicability determination.

The permittee shall limit Nitrogen Oxides (NO_x) emissions from Sources 221A and 235F to not more than 8.55 tons during any consecutive 12-month period.

[Reference: 25 PA Code 127.203a(a)(5)(iii)(A)]

Fuel Restriction(s).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source shall fire only commercial natural gas.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.203a.]

Applicability determination.

The permittee shall monthly calculate and record monthly and 12-month rolling totals of emissions of Nitrogen Oxides (NO_x) from Sources 221A and 235F. Each record must be in a form suitable and readily available to the Department for expeditious review for a period of five years.

[Reference: 25 PA Code 127.203a(a)(5)(iii)(B)]

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.**

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 242A

Source Name: 3 HEATING FURNACES & #87 ANNEALING FURNACE IN B-48A

Source Capacity/Throughput:	30.000 MCF/HR	NATURAL GAS
	205.000 Gal/HR	NO. 2 FUEL OIL

Conditions for this source occur in the following groups: SG05 FURNACES

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

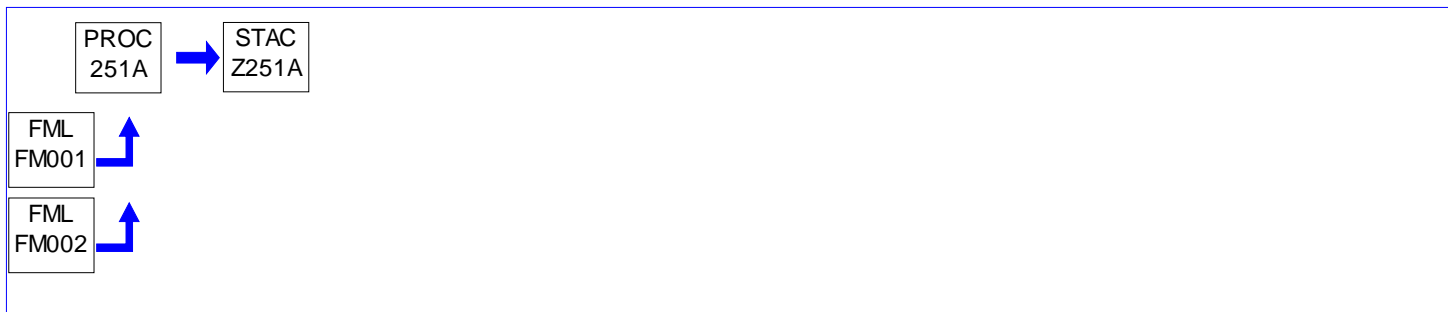
**SECTION D. Source Level Requirements**

Source ID: 251A

Source Name: ONE HEATING FURNACE IN B-48B

Source Capacity/Throughput:	40.000 MCF/HR	NATURAL GAS
	274.000 Gal/HR	NO. 2 FUEL OIL

Conditions for this source occur in the following groups: SG05 FURNACES

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

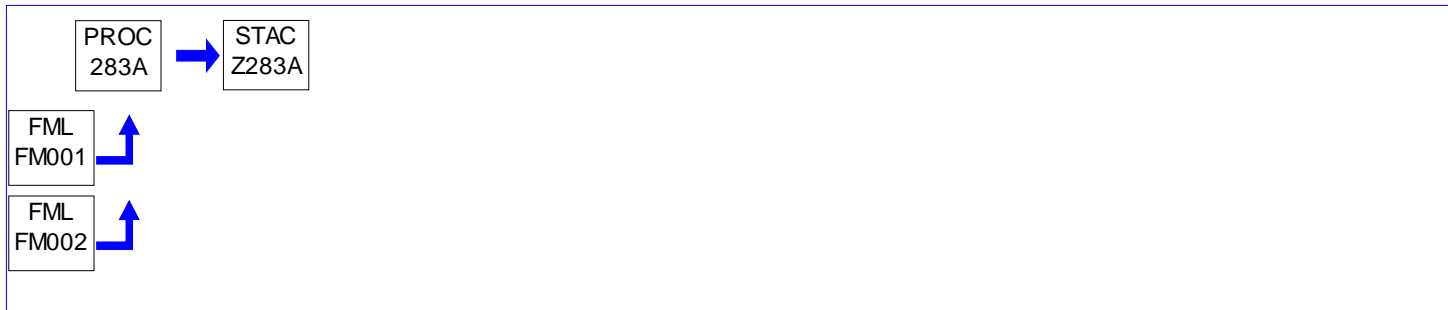
**SECTION D. Source Level Requirements**

Source ID: 283A

Source Name: SIX HEATING FURNACES IN B-78

Source Capacity/Throughput:	50.000 MCF/HR	NATURAL GAS
	342.000 Gal/HR	NO. 2 FUEL OIL

Conditions for this source occur in the following groups: SG05 FURNACES

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 292A

Source Name: ANNEAL FURN F925 & F926, B-105

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SG05 FURNACES

**I. RESTRICTIONS.****Fuel Restriction(s).**

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit emissions of particulate matter and sulfur oxides by firing only natural gas in these furnaces.

Throughput Restriction(s).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

These furnaces are limited to a total of consumption of 88 million scf of natural gas in any consecutive 12-month period.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall install and maintain the necessary meter(s) to determine and record the amount of fuel usage.

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall perform or have performed an annual adjustment and/or tune-up on each furnace. The permittee shall maintain the following records for each furnace for the most recent five-year period:

- The date of the tuning procedure,
- The name(s) of the technician(s), and
- The name of the service company if tuning done by an outside company.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.The permittee shall maintain record of the monthly consumption of natural gas by the furnaces and 12-month rolling total of natural gas consumption by the furnaces. The permittee shall calculate and record monthly and 12-month rolling totals of NO_x, CO, PM, VOC and SO₂ using Department approved factors. (Factors from AP-42 Section 1.4 are considered acceptable. Other factors may be acceptable with prior written approval.) These records shall be maintained for the most recent five-year period and shall be readily available to the Department upon request.

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

These two furnaces shall have a combined limit of 4.38 tpy NO_x, 3.71 tpy CO, 0.25 tpy VOC, 0.03 tpy SO₂ and 0.34 tpy PM. This cap on emissions is a compliance cap. This cap does not provide any relief from obtaining a plan approval for any future physical change or change in operation. The latter is true even if the company does not request a change in the compliance cap. Furthermore, by accepting this cap the company agrees to consider the two furnaces as one emissions unit for NSR/PSD purposes, any future applicability determinations must involve both furnaces, e.g. should major NSR/PSD be triggered for any one furnace or process change, BACT/LAER is required for both. If the company finds it necessary to relax the cap at some future date, the source obligation requirements of 127.203(e)(2) and 40 CFR 52.21(r)(4) apply.

***** Permit Shield in Effect. *****

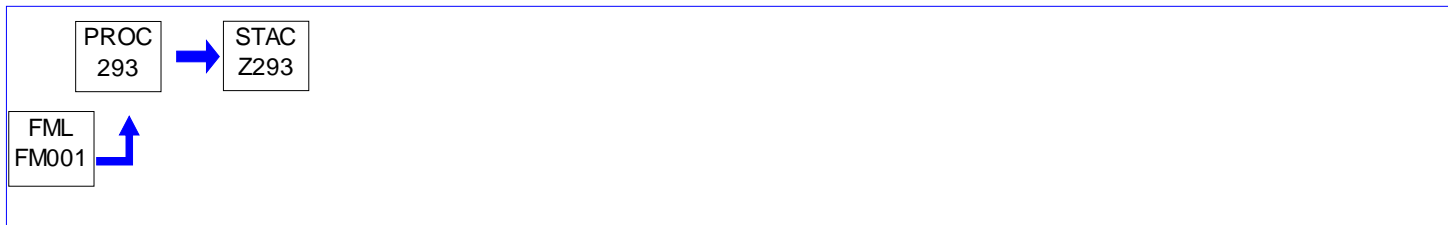
**SECTION D. Source Level Requirements**

Source ID: 293

Source Name: 3000T #9 BATCH FURNACE F-724 B-78

Source Capacity/Throughput:	12.000 MCF/HR	NATURAL GAS
	5.000 Tons/HR	STEEL ALLOYS

Conditions for this source occur in the following groups: SG09 FURNACES (<20MMBTU)
 SG11B NNSR SOURCES #2
 SG23 RACT 1 REQUIREMENTS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

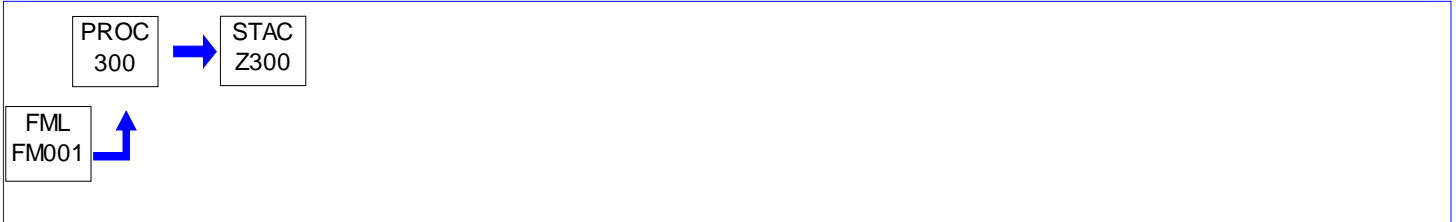
**SECTION D. Source Level Requirements**

Source ID: 300

Source Name: #14 ANNEAL FURNACE F-562 B-94

Source Capacity/Throughput:	31.300 MCF/HR	NATURAL GAS
	20.000 Tons/HR	STEEL ALLOYS

Conditions for this source occur in the following groups: SG23 RACT 1 REQUIREMENTS
 SG25 RACT 2 CASE-BY-CASE REQUIREMENTS
 SG28 RACT 3 CASE-BY-CASE REQUIREMENTS

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.21]****General**

The permittee may not permit the emission into the outdoor atmosphere of sulfur dioxide from a source in a manner that the concentration of sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

002 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall limit the emissions of NO_x from Source 300 less than 14.5 tons per year, based on any consecutive 12-month rolling total. At this level of emissions, add-on controls were deemed cost-ineffective for RACT 2. The permittee shall maintain records of VOC emissions for the source for each calendar month and each consecutive 12-month period.

Fuel Restriction(s).**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee is limited to firing only natural gas in this source.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).



SECTION D. Source Level Requirements

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

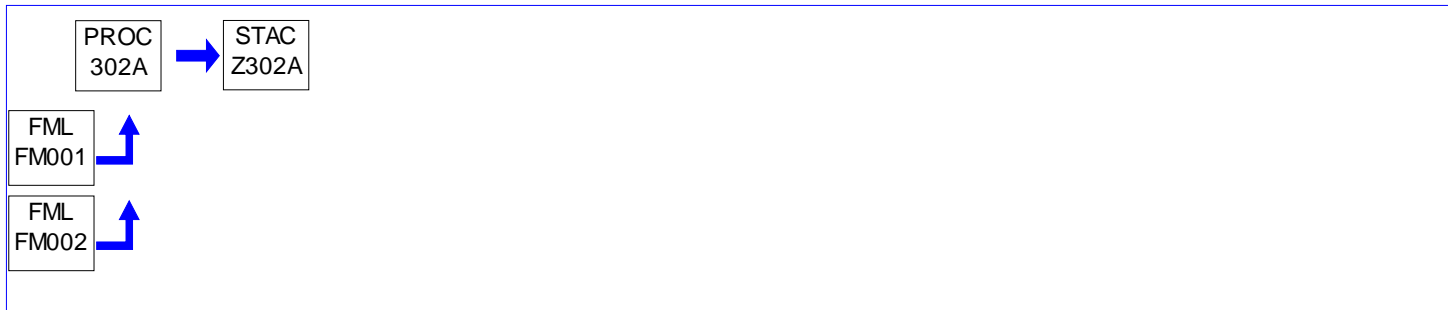
**SECTION D. Source Level Requirements**

Source ID: 302A

Source Name: TWELVE MISC. HEATING PROCESSES

Source Capacity/Throughput:	50.000 MCF/HR	NATURAL GAS
	342.000 Gal/HR	NO. 2 FUEL OIL

Conditions for this source occur in the following groups: SG03 MELT SHOP

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

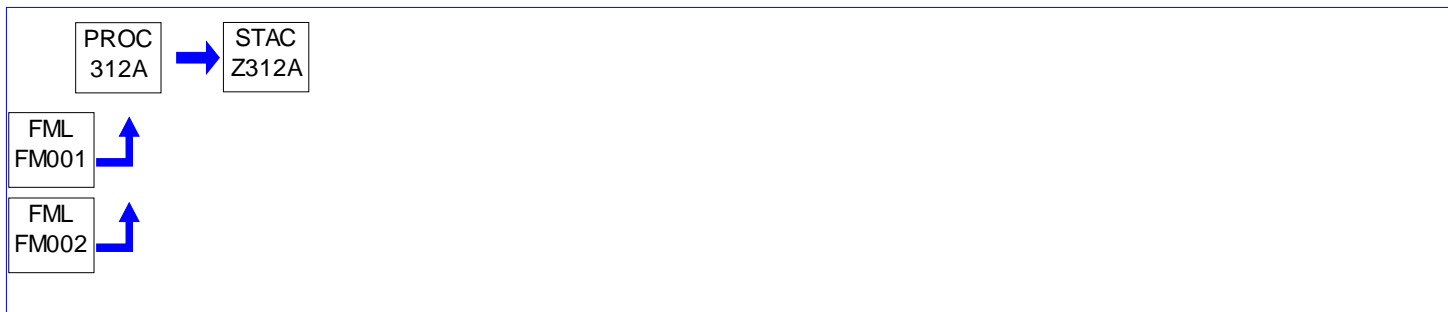
**SECTION D. Source Level Requirements**

Source ID: 312A

Source Name: EIGHT ANNEALING FURNACES IN B-120

Source Capacity/Throughput:	30.000 MCF/HR	NATURAL GAS
	205.000 Gal/HR	NO. 2 FUEL OIL

Conditions for this source occur in the following groups: SG05 FURNACES

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

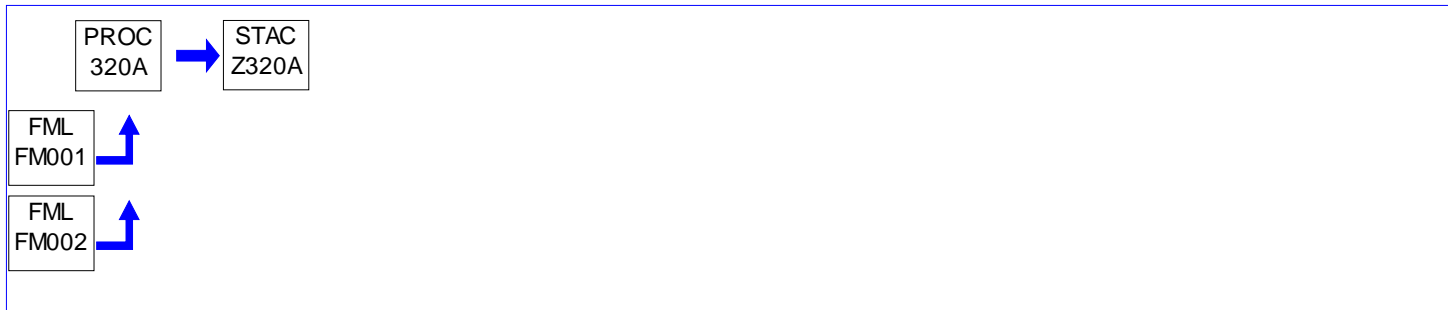
**SECTION D. Source Level Requirements**

Source ID: 320A

Source Name: EIGHT HEAT FURNACES IN B-105

Source Capacity/Throughput:	42.000 MCF/HR	NATURAL GAS
	288.000 Gal/HR	NO. 2 FUEL OIL

Conditions for this source occur in the following groups: SG05 FURNACES

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

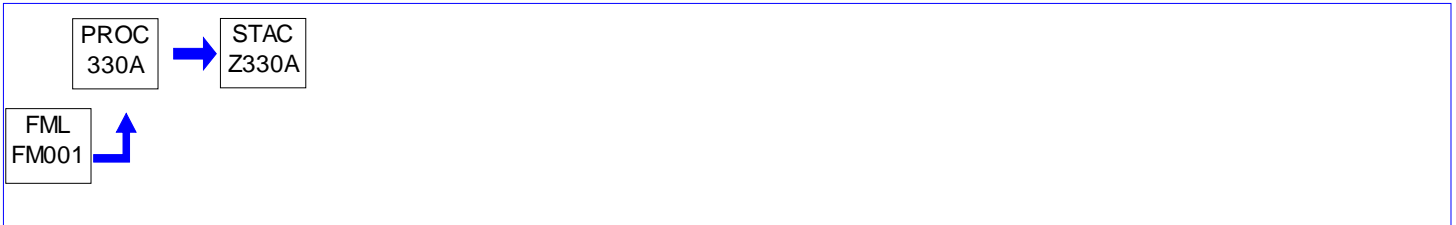
**SECTION D. Source Level Requirements**

Source ID: 330A

Source Name: ELEVEN #5 MILL FURNACES IN B-112

Source Capacity/Throughput:	56.000 MCF/HR	NATURAL GAS
	384.000 Gal/HR	NO. 2 FUEL OIL

Conditions for this source occur in the following groups: SG05 FURNACES

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

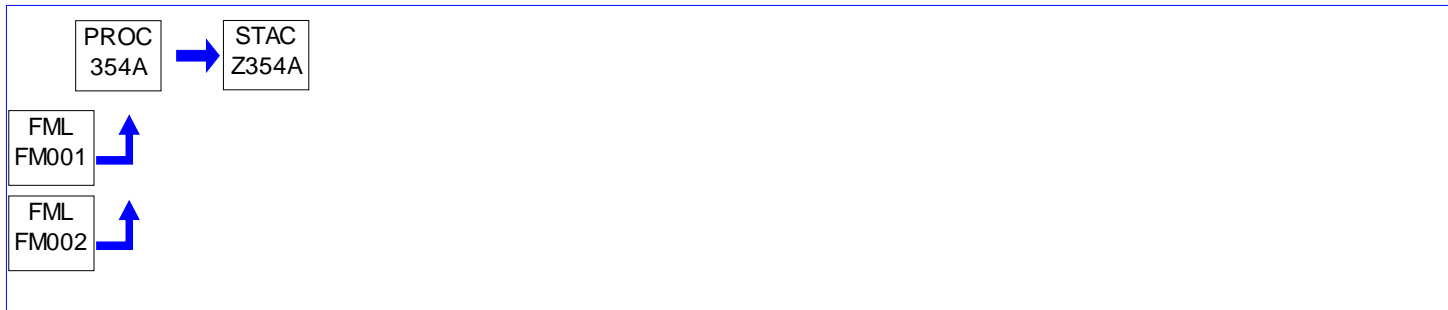
**SECTION D. Source Level Requirements**

Source ID: 354A

Source Name: FOUR ROTARY FORGE FURNACES IN B-118 & B-150

Source Capacity/Throughput:	12.000 MCF/HR	NATURAL GAS
	82.000 Gal/HR	NO. 2 FUEL OIL

Conditions for this source occur in the following groups: SG05 FURNACES

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 358

Source Name: MEARZ 12T WALKING BEAM FUR F-755,B-118

Source Capacity/Throughput: 18.900 MCF/HR NATURAL GAS
5.000 Tons/HR STEEL ALLOYS

Conditions for this source occur in the following groups: SG23 RACT 1 REQUIREMENTS

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

No person shall permit the emissions into the outdoor atmosphere of particulate matter from the source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry cubic foot.

002 [25 Pa. Code §123.21]**General**

The permittee may not permit the emission into the outdoor atmosphere of sulfur dioxide from a source in a manner that the concentration of sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

Fuel Restriction(s).**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall fire only natural gas in the source.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.**# 004 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall record the monthly usage of natural gas by the source.

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

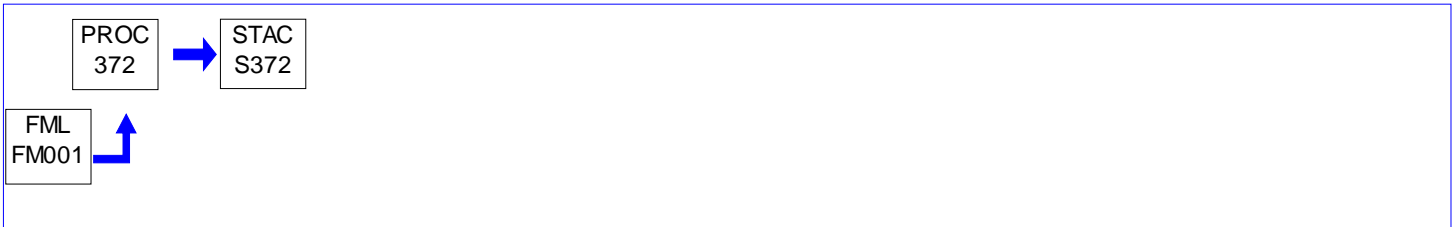
Source ID: 372

Source Name: ROLLING MILL GENERATOR 1

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SG19

SG29 RACT 3 PRESUMPTIVE REQUIREMENTS

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall limit the combined total NOx emissions from Generator 1 (Source ID 372), the three reheat furnaces (Source IDs 132, 133 and 134) and the four mill box burners (Source IDs 070, 071, 072 and 073) to 12 tons in any consecutive 12-month period.

Fuel Restriction(s).**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall limit the emissions to the outdoor atmosphere of sulfur oxides by firing only natural gas in the source(s) within this source group.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain a monthly record of the hours of operation for each generator engine to demonstrate compliance with Condition #004. The permittee shall maintain a monthly record of the fuel consumption by each generator engine.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall limit the hours of operations of each generator engine to less than 500 hours in a consecutive 12-month period. The permittee shall maintain a non-resettable hour meter, or use another method as approved by the Department, to measure and record the operating time of each electrical generator engine.

VII. ADDITIONAL REQUIREMENTS.**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall comply with Source Group SG19 requirements as they pertain to the Source 372 except that the following standards apply to this source under 40 CFR 60.4233(d) and 40 CFR Part 60 Subpart JJJJ Table 1:

Engine type: Emergency

Fuel: Natural Gas

Engine power: 25 < HP < 130

Emission standards:

NO_x + HC (g/HP-hr): 10.0

CO (g/HP-hr): 387

***** Permit Shield in Effect. *****

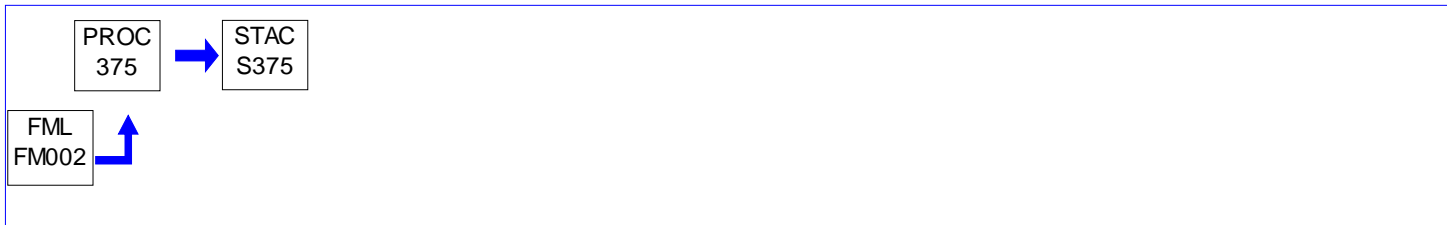
**SECTION D. Source Level Requirements**

Source ID: 375

Source Name: EMERGENCY GEN - COMPUTER CENTER

Source Capacity/Throughput: 7.400 MMBTU/HR

Conditions for this source occur in the following groups: SG15 EMERGENCY GEN
 SG16 SUBPART III
 SG24 RACT 2 PRESUMPTIVE REQUIREMENTS
 SG29 RACT 3 PRESUMPTIVE REQUIREMENTS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 376

Source Name: EMERGENCY GEN - VACUUM INDUCTION MELT DEPT

Source Capacity/Throughput: 7.900 MMBTU/HR

Conditions for this source occur in the following groups: SG15 EMERGENCY GEN
 SG16 SUBPART III
 SG24 RACT 2 PRESUMPTIVE REQUIREMENTS
 SG29 RACT 3 PRESUMPTIVE REQUIREMENTS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 377

Source Name: EMERGENCY GEN - ELECTROSLAG

Source Capacity/Throughput:

7.400 MMBTU/HR

Conditions for this source occur in the following groups: SG15 EMERGENCY GEN
 SG16 SUBPART III
 SG24 RACT 2 PRESUMPTIVE REQUIREMENTS
 SG29 RACT 3 PRESUMPTIVE REQUIREMENTS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

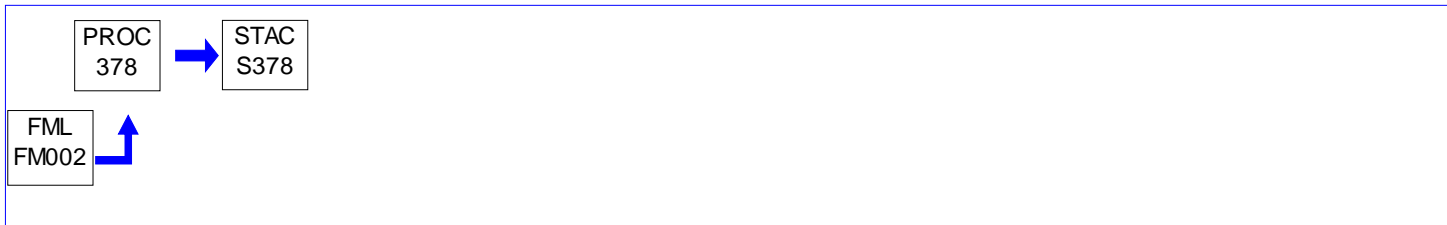
**SECTION D. Source Level Requirements**

Source ID: 378

Source Name: EMERGENCY GEN - CLEANING LINES

Source Capacity/Throughput: 7.800 MMBTU/HR

Conditions for this source occur in the following groups: SG15 EMERGENCY GEN
 SG16 SUBPART III
 SG24 RACT 2 PRESUMPTIVE REQUIREMENTS
 SG29 RACT 3 PRESUMPTIVE REQUIREMENTS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 379

Source Name: NON-EMERGENCY GENERATORS - VARIED LOC PRE-2006

Source Capacity/Throughput:

5.400 MCF/HR

Natural Gas

Conditions for this source occur in the following groups: SG18A
 SG23 RACT 1 REQUIREMENTS
 SG24 RACT 2 PRESUMPTIVE REQUIREMENTS
 SG29 RACT 3 PRESUMPTIVE REQUIREMENTS

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

The permittee shall not permit the emission to the atmosphere of particulate matter from the source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.**# 003 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall maintain a monthly record of the hours of operation for each generator to demonstrate compliance with Condition #005.

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain a list of all sources subject to RACT in this source group, their location, fuel and heat input rating. The list shall be updated quarterly and made available to the Department upon request. The permittee shall notify the Department of any new source(s) that potentially increase the emissions of NO_x or VOC by more than 1 ton during any consecutive 12-month period, except for sources specifically exempted by 25 Pa. Code Section 127.14. Any new sources subject to the Department's Chapter 127 permitting requirements will be required to receive a Plan Approval before construction.

005 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall limit the hours of operations for each of the above generators subject to RACT to 500 hours in a consecutive 12-month period. The permittee shall maintain an hour meter, or use another method as approved by the Department, to measure and record the operating time of each electrical generator.

VII. ADDITIONAL REQUIREMENTS.**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Section H, Item #022 lists the generators included in this source and identifies the generators subject to RACT.

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 379A

Source Name: EMERGENCY GENERATORS - VARIED LOC PRE-2006

Source Capacity/Throughput:

5.400 MCF/HR

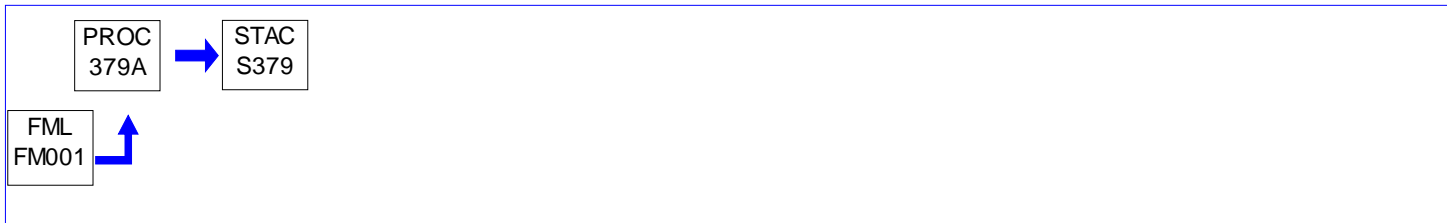
Natural Gas

Conditions for this source occur in the following groups: SG18

SG23 RACT 1 REQUIREMENTS

SG24 RACT 2 PRESUMPTIVE REQUIREMENTS

SG29 RACT 3 PRESUMPTIVE REQUIREMENTS

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

The permittee shall not permit the emission to the atmosphere of particulate matter from the source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.**# 003 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall maintain a monthly record of the hours of operation for each emergency generator to demonstrate compliance with Condition #005.

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain a list of all sources subject to RACT in this source group, their location, fuel and heat input rating. The list shall be updated quarterly and made available to the Department upon request. The permittee shall notify the Department of any new source(s) that potentially increase the emissions of NO_x or VOC by more than 1 ton during any consecutive 12-month period, except for sources specifically exempted by 25 Pa. Code Section 127.14. Any new sources subject to the Department's Chapter 127 permitting requirements will be required to receive a Plan Approval before construction.

005 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall limit the hours of operations for each of the above generators subject to RACT to 500 hours in a consecutive 12-month period. The permittee shall maintain an hour meter, or use another method as approved by the Department, to measure and record the operating time of each emergency electrical generator.

006 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

An emergency generator shall only be used during electrical failures or to perform preventative maintenance. An emergency generator shall not be used to supplement the primary power supply to the facility.

VII. ADDITIONAL REQUIREMENTS.**# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

This source does not include the following emergency generators:

- a. Source 378 - Block and Bench Cleaning Lines Emergency Generator (GP9-06-05007I)
- b. Source 377 - Electroslag Remelt Department Emergency Generator (GP9-06-05007J)
- c. Source 376 - Vacuum Induction Melting Department Emergency Generator (GP9-06-05007K)
- d. Source 375 - Computer Center Emergency Generator (GP9-06-05007M)

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 379B

Source Name: EMERGENCY GENERATORS - VARIED LOC POST-2006

Source Capacity/Throughput: 5.400 MCF/HR Natural Gas

Conditions for this source occur in the following groups: SG19
SG29 RACT 3 PRESUMPTIVE REQUIREMENTS

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

The permittee shall not permit the emission to the atmosphere of particulate matter from the source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.**# 003 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall maintain a monthly record of the hours of operation for each emergency generator to demonstrate compliance with Condition #004.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

An emergency generator shall only be used during electrical failures or to perform preventative maintenance. An emergency generator shall not be used to supplement the primary power supply to the facility.

VII. ADDITIONAL REQUIREMENTS.**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

This source does not include the following emergency generators:

- a. Source 378 - Block and Bench Cleaning Lines Emergency Generator (GP9-06-05007I)
- b. Source 377 - Electroslag Remelt Department Emergency Generator (GP9-06-05007J)
- c. Source 376 - Vacuum Induction Melting Department Emergency Generator (GP9-06-05007K)
- d. Source 375 - Computer Center Emergency Generator (GP9-06-05007M)

***** Permit Shield in Effect. *****

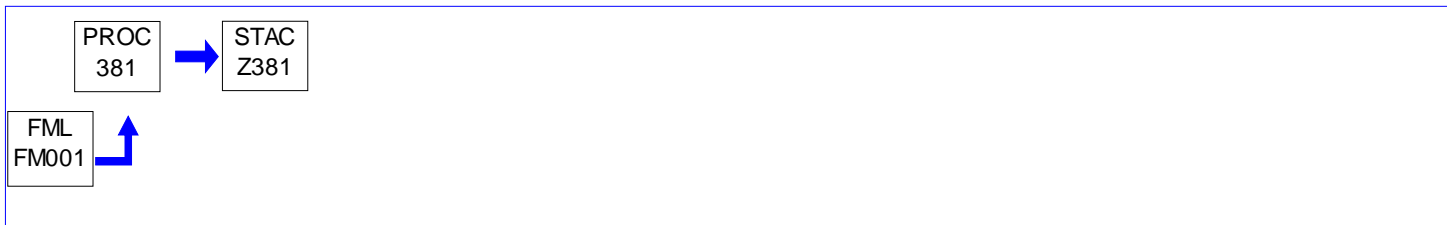
**SECTION D. Source Level Requirements**

Source ID: 381

Source Name: #4 ANNEALING FURNACE, F-476, B-94

Source Capacity/Throughput: 26.000 MCF/HR NATURAL GAS

Conditions for this source occur in the following groups: SG23 RACT 1 REQUIREMENTS
 SG25 RACT 2 CASE-BY-CASE REQUIREMENTS
 SG28 RACT 3 CASE-BY-CASE REQUIREMENTS

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

No person shall permit the emissions into the outdoor atmosphere of particulate matter from the source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

002 [25 Pa. Code §123.21]**General**

The permittee may not permit the emission into the outdoor atmosphere of sulfur dioxide from a source in a manner that the concentration of sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

003 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall limit the emissions of NO_x from Source 381 less than 8.0 tons per year, based on any consecutive 12-month rolling total. At this level of emissions, add-on controls were deemed cost-ineffective for RACT 2. The permittee shall maintain records of VOC emissions for the source for each calendar month and each consecutive 12-month period.

Fuel Restriction(s).**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall only fire natural gas in the source.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 005 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall record the monthly usage of natural gas to the source.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

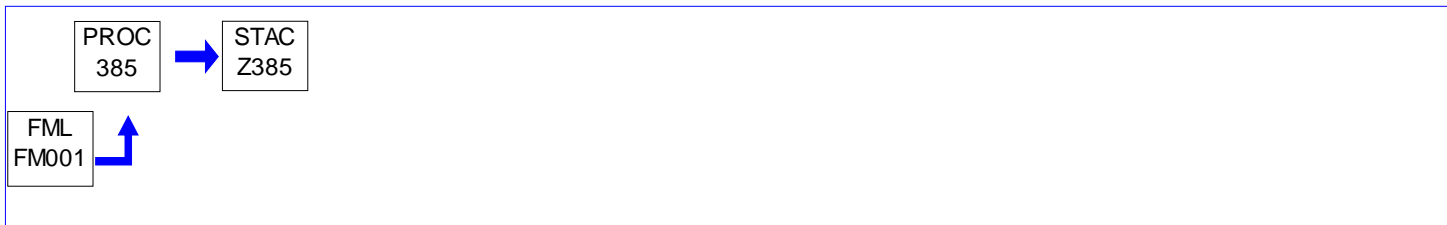
**SECTION D. Source Level Requirements**

Source ID: 385

Source Name: MAKE-UP AIR UNITS

Source Capacity/Throughput: 50.000 MCF/HR NATURAL GAS

Conditions for this source occur in the following groups: SG11B NNSR SOURCES #2
 SG14 STRIP MILL
 SG29 RACT 3 PRESUMPTIVE REQUIREMENTS

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

No person shall permit the emissions into the outdoor atmosphere of particulate matter from any of the sources in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry cubic foot.

002 [25 Pa. Code §123.21]**General**

The permittee may not permit the emission into the outdoor atmosphere of sulfur dioxide from a source in a manner that the concentration of sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

Fuel Restriction(s).**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall only fire natural gas in the sources.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

**SECTION D. Source Level Requirements**

[Additional authority for this condition is derived from 25 PA Code Section 129.91, RACT]

In accordance with the RACT Plan, the permittee shall maintain a list of all sources subject to RACT in this source group, their location, fuel and heat input rating. The list shall be updated quarterly and made available to the Department upon request. The permittee shall notify the Department of any new source(s) that potentially increase the emissions of NOx or VOC by more than 1 tons during any consecutive 12-month period, except for sources specifically exempted by 25 Pa. Code Section 127.14. Any new sources subject to the Department's Chapter 127 permitting requirements will be required to receive a Plan Approval before construction.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

005 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee shall operate the units in accordance with the manufacturer's specifications.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

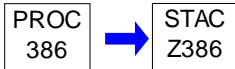
**SECTION D. Source Level Requirements**

Source ID: 386

Source Name: CU-MISC01 TIP HTRS, HOT BOX BURNERS

Source Capacity/Throughput: 3.000 MCF/HR NATURAL GAS

Conditions for this source occur in the following groups: SG11B NNSR SOURCES #2

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The operation of the VAR Burner Station I (725)(F-836) that is associated with the above source, shall not result in visible or malodorous emissions.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate and maintain the VAR Burner Station I (725) (F-836) that is associated with the above source, in accordance with the manufacturer's specifications and good air pollution practices.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 389

Source Name: # 3 HOMO HEAT FURNACE F-783, B-118

Source Capacity/Throughput:

4.700 MCF/HR

NATURAL GAS

Conditions for this source occur in the following groups: SG11A NNSR SOURCES #1

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa Code Section 129.91, RACT]

In accordance with the RACT Plan, the emissions from the above furnace during any consecutive 12-month period shall be limited to the following:

- a. PM-10 - 0.27 tons
- b. Sulfur Dioxide - 0.01 tons
- c. Carbon Monoxide - 0.70 tons
- d. Nitrogen Oxide - 2.80 tons
- e. VOC - 0.11 tons

002 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority from this condition is derived from 25 Pa Code Section 129.91, RACT]

In accordance with the RACT Plan, the permittee shall not exceed the concentration of 80 ppmv and the fuel usage during any consecutive 12-month period shall not exceed 40 million cubic feet of natural gas.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

**SECTION D. Source Level Requirements**

The permittee shall record the amounts of natural gas fired in the furnace each month, and maintain a 12-month rolling total.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 390

Source Name: 3000T #6B BATCH FURNACE F-784, B-78

Source Capacity/Throughput:

3.500 MCF/HR

NATURAL GAS

Conditions for this source occur in the following groups: SG11A NNSR SOURCES #1

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §127.441]
Operating permit terms and conditions.

[Additional authority for this condition is derived from 25 Pa Code Section 129.91, RACT]

In accordance with the RACT Plan, the permittee shall not exceed the concentration of 80 ppmv of NO_x and the fuel usage during any consecutive 12-month period shall not exceed 30 million cubic feet of natural gas.

Fuel Restriction(s).

002 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The emissions from the above furnace during any consecutive 12-month period shall be limited to:

- a. PM-10 - 0.21 tons
- b. Sulfur Dioxide - 0.01 tons
- c. Carbon Monoxide - 0.53 tons
- d. Nitrogen Oxide - 2.10 tons
- e. VOC - 0.08 tons

003 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee shall only combust natural gas in the source.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Requirements****III. MONITORING REQUIREMENTS.**

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall record the monthly usage of natural gas by the source.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

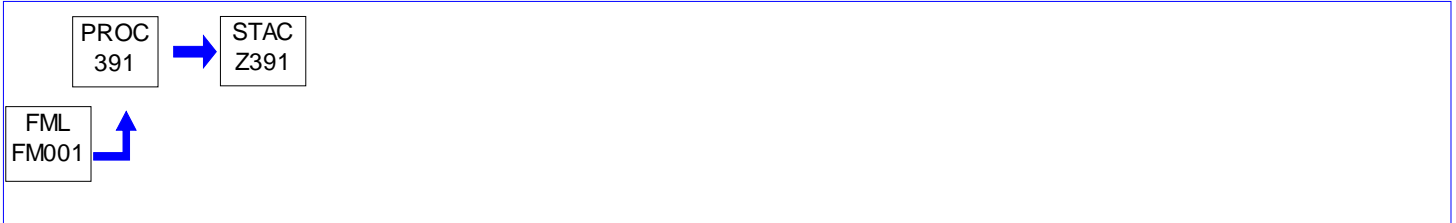
**SECTION D. Source Level Requirements**

Source ID: 391

Source Name: 3000T #8 BATCH FURNACE F-785 B-78

Source Capacity/Throughput: 14.600 MCF/HR NATURAL GAS

Conditions for this source occur in the following groups: SG11A NNSR SOURCES #1

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]
Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa Code Section 129.91, RACT]

In accordance with the RACT Plan, the permittee shall not exceed the concentration of 80 ppmv of NO_x and the fuel usage during any consecutive 12-month period shall not exceed 30 million cubic feet of natural gas.

Fuel Restriction(s).**# 002 [25 Pa. Code §127.441]
Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa Code Section 129.91, RACT]

In accordance with the RACT Plan, the emissions from the above furnace during any consecutive 12-month period shall be limited to:

- a. PM-10 - 0.21 tons
- b. Sulfur Dioxide - 0.01 tons
- c. Carbon Monoxide - 0.53 tons
- d. Nitrogen Oxide - 2.10 tons
- e. VOC - 0.08 tons

**# 003 [25 Pa. Code §127.441]
Operating permit terms and conditions.**

The permittee shall only combust natural gas in the source.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Requirements****III. MONITORING REQUIREMENTS.**

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall record the monthly usage of natural gas by the source.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 392

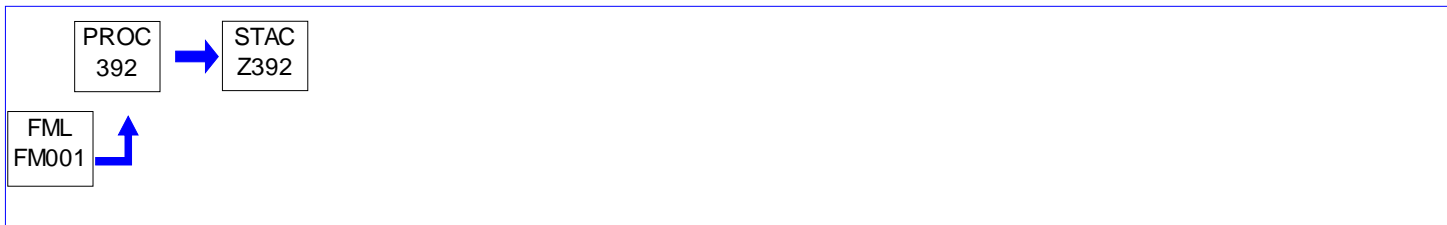
Source Name: #63 ANNEAL FURNACE, F-797, B-78

Source Capacity/Throughput:

7.000 MCF/HR

NATURAL GAS

Conditions for this source occur in the following groups: SG07 BAT NOX SOURCES
 SG09 FURNACES (<20MMBTU)
 SG11A NNSR SOURCES #1

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The above source shall comply with the following:

- The NOX emissions for this source shall not exceed 1.4 tons during any consecutive 12-month period.
- The 12 month average NOX emissions for this source shall not exceed 100 #/million cubic feet of natural gas over a three (3) hour averaging period.
- The fuel usage for this source shall be limited to 28 million cubic feet of natural gas during any consecutive 12-month period.

Fuel Restriction(s).

002 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee shall only combust natural gas in the source.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee shall record monthly the natural gas usage and the NOx emissions by the furnace.

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall perform an annual adjustment and/or tune-up which shall include the following:

- a. Inspection, adjustment, cleaning or replacement of fuel-burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer.
- b. Inspection of the flame pattern or characteristics and adjustments necessary to minimize emissions of NO_x, and to the extent practicable minimize emissions of CO.
- c. Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.

The permittee shall maintain a permanently bound logbook or other method approved by the Department. This log shall contain, at a minimum, the following information:

- a. The date of the tuning procedures,
- b. The name of the service company and technicians,
- c. Any other information required by this permit.

The annual adjustment shall be in accordance with the manufacturer's specifications or equivalent procedures approved in writing by the Department.

VII. ADDITIONAL REQUIREMENTS.**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee has offset 0.85 tons of the 1.4 ton annual NO_x limit for this source by an NSR plan approval as per PA Code Section 127.201 (December 5, 1996).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 393

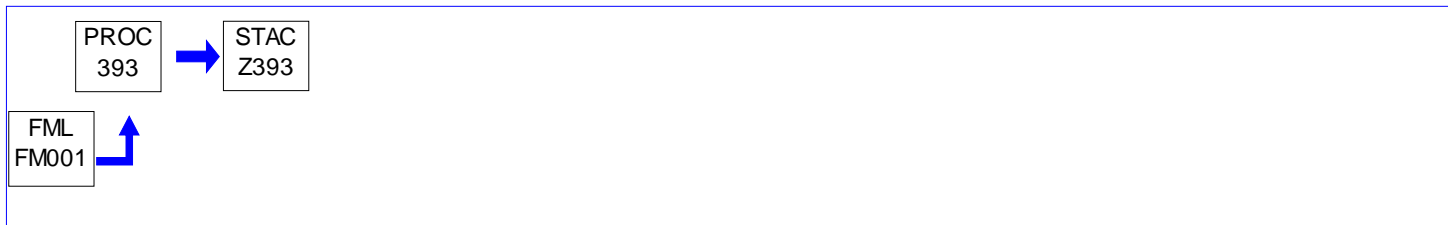
Source Name: #64 ANNEAL FURNACE, F-798, B-78

Source Capacity/Throughput:

7.000 MCF/HR

NATURAL GAS

Conditions for this source occur in the following groups: SG07 BAT NOX SOURCES
 SG09 FURNACES (<20MMBTU)
 SG11A NNSR SOURCES #1

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The above source shall comply with the following:

- a. The NOX emissions for this source shall not exceed 1.4 tons during any consecutive 12-month period.
- b. The 12 month average NOX emissions for this source shall not exceed 100 #/million cubic feet of natural gas over a three (3) hour averaging period.
- c. The fuel usage during any consecutive 12-month period for this source shall be limited to 28 million cubic feet of natural gas.

Fuel Restriction(s).

002 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee shall only combust natural gas in the source.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee shall record monthly the natural gas usage and NOx emissions by the furnace.

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

a. The permittee shall perform an annual adjustment and/or tune-up which shall include the following:

1. Inspection, adjustment, cleaning or replacement of fuel-burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer.
2. Inspection of the flame pattern or characteristics and adjustments necessary to minimize emissions of NO_x, and to the extent practicable minimize emissions of CO.
3. Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.

b. The permittee shall maintain a permanently bound logbook or other method approved by the Department. This log shall contain, at a minimum, the following information:

1. The date of the tuning procedures,
2. The name of the service company and technicians, and
3. Any other information required by this permit.

c. The annual adjustment shall be in accordance with the manufacturer's specifications or equivalent procedures approved in writing by the Department.

VII. ADDITIONAL REQUIREMENTS.**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee has offset 0.85 tons of the 1.4 ton annual NO_x limit by an NSR plan approval as per 25 PA Code Section 127.201 (December 5, 1996).

***** Permit Shield in Effect. *****

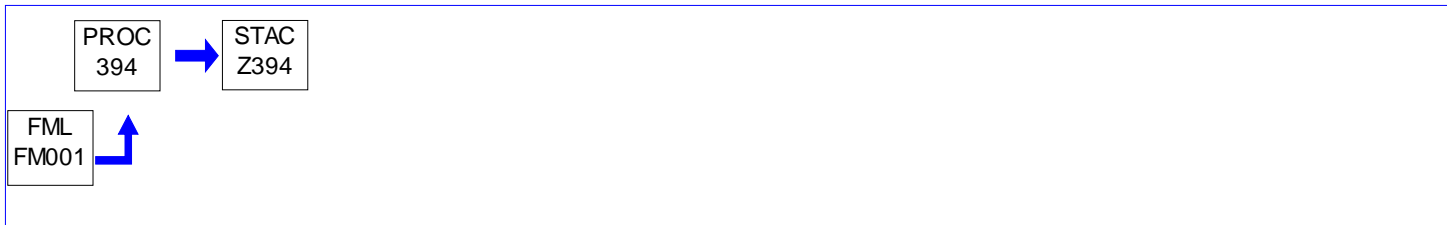
**SECTION D. Source Level Requirements**

Source ID: 394

Source Name: #62 RECTANGULAR BELL FURN, F-796, B-48

Source Capacity/Throughput: 6.500 MCF/HR NATURAL GAS

Conditions for this source occur in the following groups: SG07 BAT NOX SOURCES

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]
Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa Code Section 129.91, RACT]

In accordance with the RACT Plan, the permittee shall operate the furnace in the following manner:

- The emissions of NOx from the furnace shall not exceed 95 #/million cubic feet of natural gas over a three (3) hour averaging period.
- The NOx emissions shall not exceed 1.05 tons during any consecutive 12-month period.
- The fuel usage during any consecutive 12-month period shall be limited to 22.1 million cubic feet of natural gas.
- The operation of the furnace shall not result in visible emission.

Fuel Restriction(s).**# 002 [25 Pa. Code §127.441]
Operating permit terms and conditions.**

The permittee shall only combust natural gas in the source.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).



SECTION D. Source Level Requirements

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

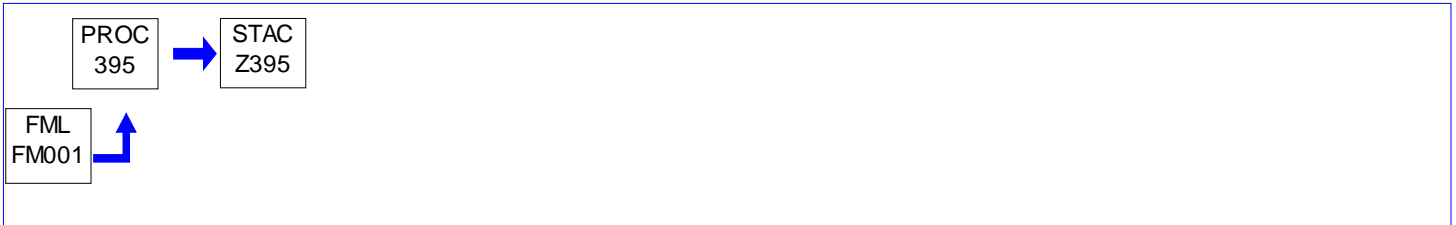
**SECTION D. Source Level Requirements**

Source ID: 395

Source Name: #45 ROLLER RAIL FURNACE, F-799, B-120

Source Capacity/Throughput: 16.400 MCF/HR NATURAL GAS

Conditions for this source occur in the following groups: SG07 BAT NOX SOURCES

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 PA Code Section 127.91, RACT]

In accordance with RACT Plan, the permittee shall operate the furnace in the following manner:

a. The emissions of NOx from the furnace shall not exceed the following:

1. 95 #/ million cubic feet of natural gas over a three (3) hour averaging period.
2. 2.65 tons during any consecutive 12-month period.

b. The fuel usage during any consecutive 12-month period shall be limited to 55.8 million cubic feet of natural gas.

c. The operation of the furnace shall not result in visible emissions

Fuel Restriction(s).**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall only combust natural gas in the source.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).



SECTION D. Source Level Requirements

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

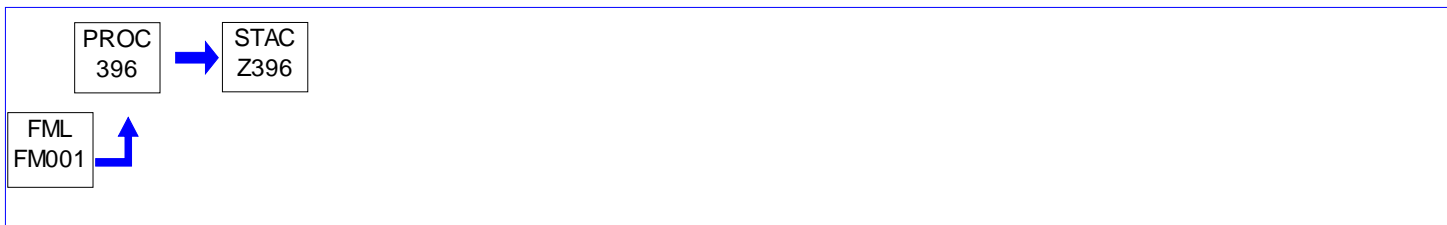
**SECTION D. Source Level Requirements**

Source ID: 396

Source Name: #60 ANNEALING FURN F-800, B-120

Source Capacity/Throughput: 12.000 MCF/HR NATURAL GAS

Conditions for this source occur in the following groups: SG07 BAT NOX SOURCES

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa Code Section 129.91, RACT]

In accordance with the RACT Plan, the source shall comply with the following:

- The NO_x emissions for this source shall not exceed 95 pounds per million cubic feet of natural gas over a three (3) hour averaging period.
- The rolling 12-month total NO_x emissions shall not exceed 4.51 tons.
- The fuel usage shall be limited to 95.0 million cubic feet of natural gas during any consecutive 12-month period.
- The operation of the furnace shall not result in visible emissions.

Fuel Restriction(s).**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall only combust natural gas in the source.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 397

Source Name: #76 CAR BOTTOM FURNACE, F-801, B-120

Source Capacity/Throughput: 8.600 MCF/HR NATURAL GAS

Conditions for this source occur in the following groups: SG07 BAT NOX SOURCES

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa Code Section 129.91, RACT]

In accordance with the RACT Plan, the source shall comply with the following:

- The emissions of NOx from each furnace shall not exceed 95 #/million cubic feet of natural gas over a three (3) hour averaging period.
- The 12-month rolling total NOx emissions shall not exceed 1.28 tons.
- The fuel usage during any consecutive 12-month period shall be limited to 27.0 million cubic feet of natural gas.
- The operation of the furnaces shall not result in visible emissions.

Fuel Restriction(s).**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall only combust natural gas in the source.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 398

Source Name: CAR BOTTOM FURNACE F-802, B-120

Source Capacity/Throughput:

8.600 MCF/HR

NATURAL GAS

Conditions for this source occur in the following groups: SG07 BAT NOX SOURCES

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa Code Section 129.91, RACT]

In accordance with the RACT Plan, the furnace shall comply with the following:

- The emissions of NO_x from the furnace shall not exceed 95 #/million cubic feet of natural gas over a three (3) hour averaging period.
- The 12-month rolling NO_x emissions shall not exceed 1.28 tons.
- The fuel usage during any consecutive 12-month period shall be limited to 27.0 million cubic feet of natural gas.
- The operation of the furnaces shall not result in visible emissions.

Fuel Restriction(s).**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall only combust natural gas in the source.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).



SECTION D. Source Level Requirements

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

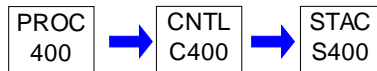
**SECTION D. Source Level Requirements**

Source ID: 400

Source Name: BENCH NITRIC/HF TUBS NORTH B48

Source Capacity/Throughput: 5.000 Tons/HR STEEL ALLOYS

Conditions for this source occur in the following groups: SG10 CLEANING LINES
 SG23 RACT 1 REQUIREMENTS
 SG25 RACT 2 CASE-BY-CASE REQUIREMENTS
 SG29 RACT 3 PRESUMPTIVE REQUIREMENTS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

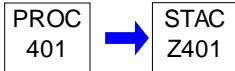
Source ID: 401

Source Name: EMITTING UNIT GROUP OF B-1

Source Capacity/Throughput:

5.000 Tons/HR

STEEL ALLOYS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

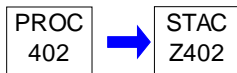
Source ID: 402

Source Name: EMITTING UNIT GROUP IN B-48

Source Capacity/Throughput:

5.000 Tons/HR

STEEL ALLOYS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

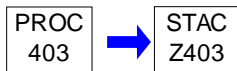
Source ID: 403

Source Name: EMITTING UNIT GROUP IN B-55

Source Capacity/Throughput:

20.000 Tons/HR

STEEL ALLOYS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

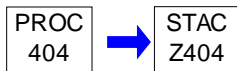
Source ID: 404

Source Name: EMITTING UNIT GROUP IN B-73

Source Capacity/Throughput:

2.000 Tons/HR

STEEL ALLOYS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

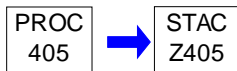
Source ID: 405

Source Name: EMITTING UNIT GROUP IN B-75

Source Capacity/Throughput:

2.000 Tons/HR

STEEL ALLOYS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

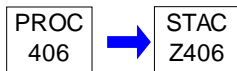
Source ID: 406

Source Name: EMITTING UNIT GROUP IN B-97

Source Capacity/Throughput:

3.000 Tons/HR

STEEL ALLOYS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

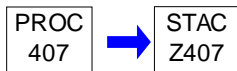
Source ID: 407

Source Name: EMITTING UNIT GROUP IN B-101

Source Capacity/Throughput:

5.000 Tons/HR

STEEL ALLOYS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

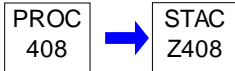
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 408

Source Name: EMITTING UNIT GROUP IN B-112

Source Capacity/Throughput: 5.000 Tons/HR STEEL ALLOYS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

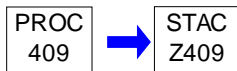
Source ID: 409

Source Name: EMITTING UNIT GROUP IN B-118

Source Capacity/Throughput:

5.000 Tons/HR

STEEL ALLOYS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

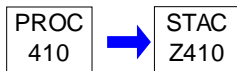
Source ID: 410

Source Name: EMITTING UNIT GROUP IN B-48A

Source Capacity/Throughput:

5.000 Tons/HR

STEEL ALLOYS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

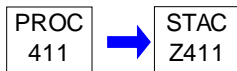
Source ID: 411

Source Name: EMITTING UNIT GROUP IN B-48L

Source Capacity/Throughput:

5.000 Tons/HR

STEEL ALLOYS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

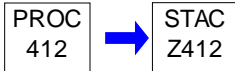
Source ID: 412

Source Name: EMITTING UNIT GROUP IN B-48X

Source Capacity/Throughput:

5.000 Tons/HR

STEEL ALLOYS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

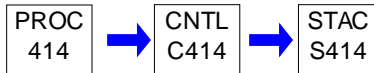
Source ID: 414

Source Name: DOUBLE DECK MOTOBLOCK, B-48

Source Capacity/Throughput:

2.000 Tons/HR

STEEL ALLOYS

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §123.13]
Processes

No person shall permit the emissions into the outdoor atmosphere of particulate matter from the source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 415

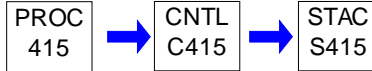
Source Name: BELT POLISHER HEAD #1&#2- B-118

Source Capacity/Throughput:

5.000 Tons/HR

STEEL ALLOYS

Conditions for this source occur in the following groups: SG02 ABRASIVE FINISHING

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

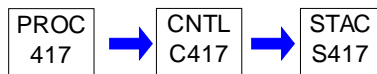
**SECTION D. Source Level Requirements**

Source ID: 417

Source Name: CUT-OFF SAW IN B-118

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SG02 ABRASIVE FINISHING

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Particulate matter emissions from this source shall not exceed 3.71 tons per consecutive 12-month period.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain detailed records of all maintenance performed on Fabric Collector C417. The permittee shall retain these records for a minimum of five (5) years and shall make them available to the department upon its request.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate Fabric Collector C417 with its source in accordance with manufacturer's specifications.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

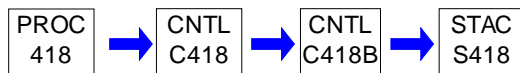
Source ID: 418

Source Name: (6) ESR "A-F" & "I & J" FURNACE GROUP,B-84

Source Capacity/Throughput:

2.500 Tons/HR

STEEL ALLOYS

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The emissions of the total fluorides from the furnaces expressed as hydrogen fluoride (HF) shall not exceed the 0.019 pounds per hour.

002 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall limit the particulate emissions to the outdoor atmosphere to 0.0052 grains per dry standard cubic foot.

003 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall operate each of these sources in a manner that results in no visible emissions, except during periods of start-up, shut-down and malfunction. At no time shall the emissions exceed the limits in 25 PA Code Section 123.41.

Control Device Efficiency Restriction(s).**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The lime feed rate to the injection systems shall be maintained at a rate of 14 pounds per hour or 1.75 pounds per hour per operating furnace, whichever is less stringent, on a monthly average basis. If the results of any testing show that a different rate is required to achieve the hydrogen fluoride (HF) emission limit with all furnaces operating, this new rate shall become the rate limit.

II. TESTING REQUIREMENTS.**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall determine the hydrogen fluoride (HF) emissions using 40 CFR Part 60, Test Method 26, Method 26A or another approved by the Department.

**SECTION D. Source Level Requirements****III. MONITORING REQUIREMENTS.****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Equipment (a differential manometer or equivalent, as approved by the Department), shall be provided and maintained so that at any time the pressure drop across the fabric collector can be measured.

007 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall daily check the lime injection system to ensure that it is operating properly.

008 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall measure the pressure drop across the filter media daily during the operation of the sources.

IV. RECORDKEEPING REQUIREMENTS.**# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall record the results of the daily monitoring in a manner approved by the Department.

010 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall maintain weekly records of the following:

- a. The amount of lime injected into the control system,
- b. Hours of operation of combined sources, and
- c. Monthly average lime injection rate in pounds per hour.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.**# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The Electric Slag Remelt (ESR) furnaces A through F, I and J shall be vented to a common fabric collector with a lime injection system prior to the inlet to the collector.

012 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall operate a system by which the amount of lime injected into the system can be measured.

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

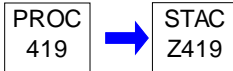
Source ID: 419

Source Name: COPPER PLATING LINE

Source Capacity/Throughput:

5.000 Tons/HR

STEEL ALLOYS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

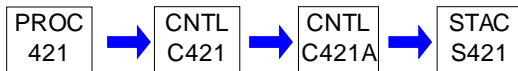
Source ID: 421

Source Name: ESR FURNACES "G" & "H" & "L" B-84

Source Capacity/Throughput:

10.000 Tons/HR

STEEL ALLOYS

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa Code Section 127.1, BAT]

The emissions from the furnaces G & H & L shall not exceed the following:

- a. particulate - 0.0052 grain per dry standard cubic foot
- b. fluorides (as HF) - 0.015 pounds per hour (total)

002 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa Code Section 127.1, BAT]

The lime injection rate shall be maintained at a minimum of 1 pound per furnace per hour on a monthly average basis.

003 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa Code Section 127.1, BAT]

The operation of the source shall not result in visible emissions or malodors.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.**# 004 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall maintain weekly records of the following:

**SECTION D. Source Level Requirements**

- a. The amount of lime injected into the control system, and
- b. Hours of operation of the combined sources, and
- c. Monthly average lime injection rate in pounds per hour.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa Code Section 127.1, BAT]

These ESR furnaces shall be vented to Fabric Collector C421A with a lime injection system prior to the inlet to the fabric collector.

006 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Equipment (a differential manometer or equivalent, as approved by the Department) shall be maintained and operated so that, at any time, the pressure drop across Fabric Collector C421A can be measured. The permittee shall record pressure drop across the baghouse daily.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

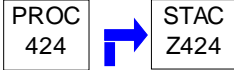
Source ID: 424

Source Name: #5S STAND ROLLING MILL, STRIP

Source Capacity/Throughput:

5.000 Tons/HR

STEEL ALLOYS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 426

Source Name: WELDING STATION B-30

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee shall limit the particulate emissions to the outdoor atmosphere from the source to 0.02 grains per dry standard cubic foot.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee shall read and record the pressure drop across the fabric collector while it is operating once per week.

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

003 [25 Pa. Code §127.441]
Operating permit terms and conditions.

Equipment (a differential manometer or equivalent, as approved by the Department), shall be provided and maintained so that at any time the pressure drop across the fabric collector can be measured.

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

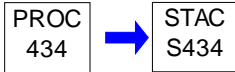
**SECTION D. Source Level Requirements**

Source ID: 434

Source Name: ABRASIVE CUT-OFF SAW B-118

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SG02 ABRASIVE FINISHING

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

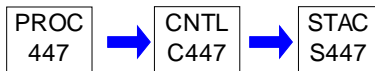
Source ID: 447

Source Name: F-VIM FURNACE VIM BUILDING

Source Capacity/Throughput:

1.000 Tons/HR

STEEL ALLOY

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee shall limit the particulate emissions to the outdoor atmosphere to 0.04 grains per dry standard cubic foot.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 448

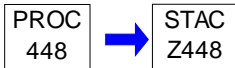
Source Name: OIL QUENCH TANK- B-4

Source Capacity/Throughput:

10.000 Tons/HR

QUENCH OIL

Conditions for this source occur in the following groups: SG23 RACT 1 REQUIREMENTS
 SG24 RACT 2 PRESUMPTIVE REQUIREMENTS
 SG29 RACT 3 PRESUMPTIVE REQUIREMENTS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

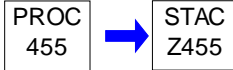
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 455

Source Name: VAR FURNACES (4) BLDG 84

Source Capacity/Throughput:

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

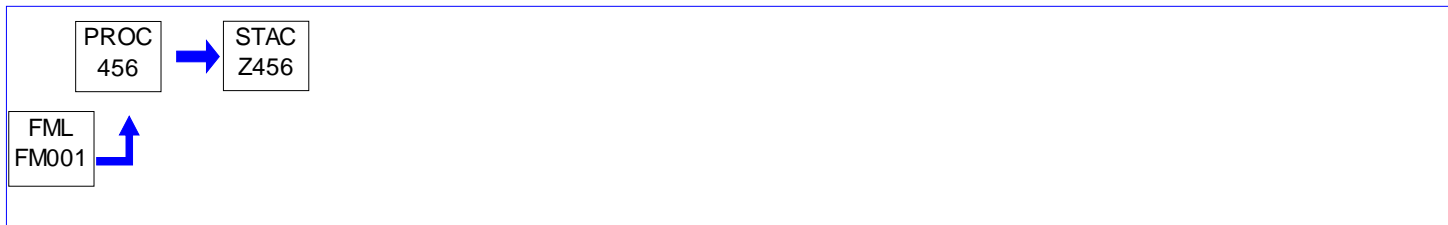
**SECTION D. Source Level Requirements**

Source ID: 456

Source Name: VARIOUS AUXILIARY UNITS BLDG 84

Source Capacity/Throughput: 15.000 MMBTU/HR

Conditions for this source occur in the following groups: SG05A NEW FURNACES
 SG11B NNSR SOURCES #2
 SG29 RACT 3 PRESUMPTIVE REQUIREMENTS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 461

Source Name: #5 ANNEALING FURNACE F-892 B-VIM

Source Capacity/Throughput: 8.000 MMBTU/HR

Conditions for this source occur in the following groups: SG05A NEW FURNACES
SG11B NNSR SOURCES #2

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 462

Source Name: #6 ANNEALING FURNACE F-893 B-VIM

Source Capacity/Throughput: 8.000 MMBTU/HR

Conditions for this source occur in the following groups: SG05A NEW FURNACES
SG11B NNSR SOURCES #2

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 463

Source Name: #7 ANNEALING FURNACE F-894 B-VIM

Source Capacity/Throughput: 8.000 MMBTU/HR

Conditions for this source occur in the following groups: SG05A NEW FURNACES
SG11B NNSR SOURCES #2

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

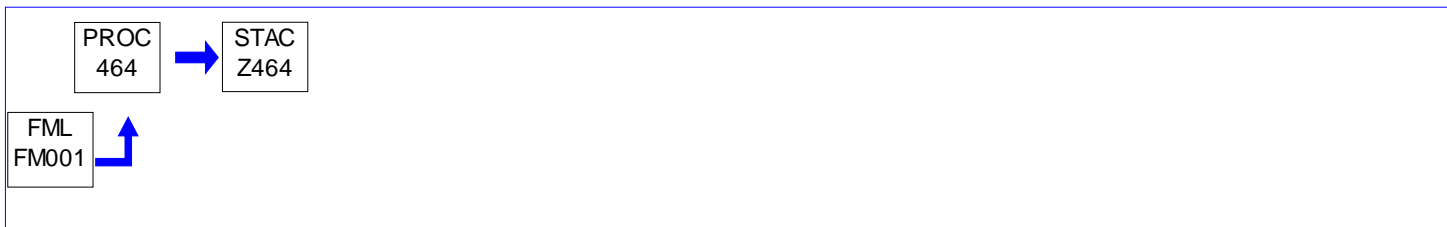
**SECTION D. Source Level Requirements**

Source ID: 464

Source Name: #8 ANNEALING FURNACE F-895 B-VIM

Source Capacity/Throughput: 8.000 MMBTU/HR

Conditions for this source occur in the following groups: SG05A NEW FURNACES
SG11B NNSR SOURCES #2

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

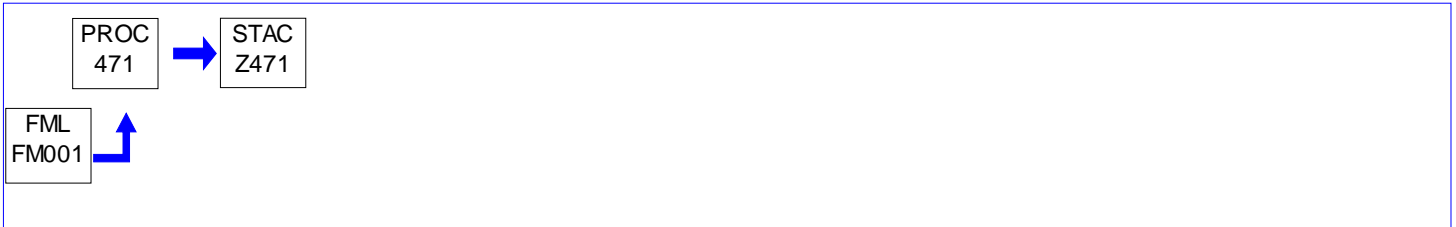
**SECTION D. Source Level Requirements**

Source ID: 471

Source Name: #7 BATCH HEATING FURNACE F-830 B-118

Source Capacity/Throughput: 12.000 MMBTU/HR

Conditions for this source occur in the following groups: SG05A NEW FURNACES
SG11B NNSR SOURCES #2

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 472

Source Name: #8 BATCH HEAT FURNACE F-886 B-118

Source Capacity/Throughput: 12.000 MMBTU/HR

Conditions for this source occur in the following groups: SG05A NEW FURNACES
SG11B NNSR SOURCES #2

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 473

Source Name: #9 BATCH HEATING FURNACE F-887 B-118

Source Capacity/Throughput: 12.000 MMBTU/HR

Conditions for this source occur in the following groups: SG05A NEW FURNACES
SG11B NNSR SOURCES #2

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 475

Source Name: BATCH HEATING FURNACE F-888 B-78

Source Capacity/Throughput: 12.000 MMBTU/HR

Conditions for this source occur in the following groups: SG05A NEW FURNACES
SG11B NNSR SOURCES #2

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 476

Source Name: BATCH HEATING FURNACE F-889 B-78

Source Capacity/Throughput: 12.000 MMBTU/HR

Conditions for this source occur in the following groups: SG05A NEW FURNACES
SG11B NNSR SOURCES #2

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

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V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 477

Source Name: BATCH HEATING FURNACE F-890 B-78

Source Capacity/Throughput: 12.000 MMBTU/HR

Conditions for this source occur in the following groups: SG05A NEW FURNACES
SG11B NNSR SOURCES #2

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 478

Source Name: BATCH HEATING FURNACE F-891 B-78

Source Capacity/Throughput: 12.000 MMBTU/HR

Conditions for this source occur in the following groups: SG05A NEW FURNACES
SG11B NNSR SOURCES #2

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

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IV. RECORDKEEPING REQUIREMENTS.

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V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

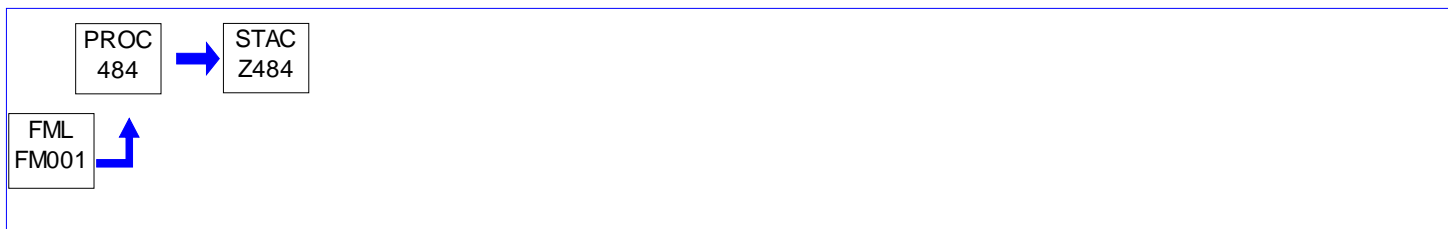
**SECTION D. Source Level Requirements**

Source ID: 484

Source Name: REHEAT FURNACE K, B-112

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SG05A NEW FURNACES

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

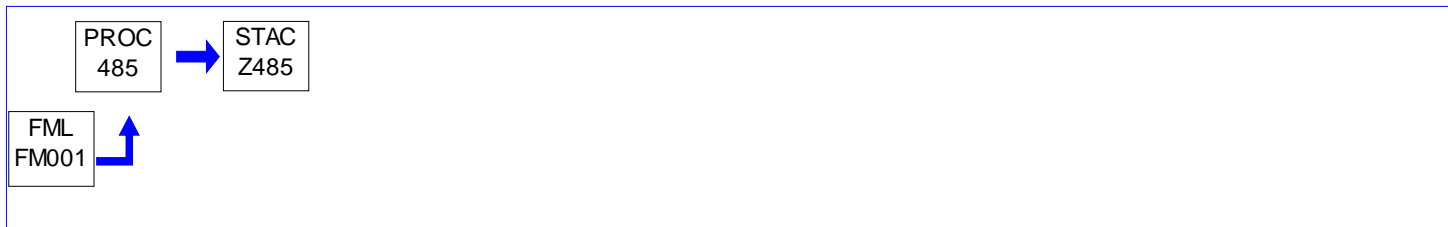
**SECTION D. Source Level Requirements**

Source ID: 485

Source Name: REHEAT FURNACE L, B-112

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SG05A NEW FURNACES

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 500

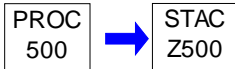
Source Name: FUEL STORAGE TANKS

Source Capacity/Throughput:

10.000 Lbs/HR

GASOLINE

Conditions for this source occur in the following groups: SG23 RACT 1 REQUIREMENTS

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §129.57]

Storage tanks less than or equal to 40,000 gallons capacity containing VOCs

The provisions of this section shall apply to above ground stationary storage tanks with a capacity equal to or greater than 2,000 gallons which contain volatile organic compounds with vapor pressure greater than 1.5 psia (10.5 kilopascals) under actual storage conditions. Storage tanks covered under this section shall have pressure relief valves which are maintained in good operating condition and which are set to release at no less than .7 psig (4.8 kilopascals) of pressure or .3 psig (2.1 kilopascals) of vacuum or the highest possible pressure and vacuum in accordance with state or local fire codes or the National Fire Prevention Association guidelines or other national consensus standards acceptable to the Department. Section 129.56(g) (relating to storage tanks greater than 40,000 gallons capacity containing volatile organic compounds) applies to this section. Petroleum liquid storage vessels which are used to store produced crude oil and condensate prior to lease custody transfer shall be exempt from the requirements of this section.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

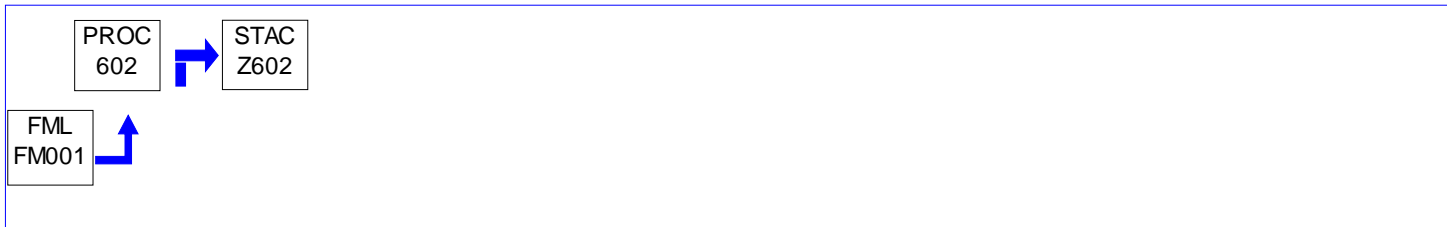
***** Permit Shield in Effect. *****



SECTION D. Source Level Requirements

Source ID: 602 Source Name: BALL TRACK ANNEAL FURN F-557-B-105
Source Capacity/Throughput: 9.900 MCF/HR NATURAL GAS

Conditions for this source occur in the following groups: SG09 FURNACES (<20MMBTU)
SG11A NNSR SOURCES #1



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 701

Source Name: #6AREHEAT FURNACE F-806; B-78

Source Capacity/Throughput:

14.600 MCF/HR

NATURAL GAS

Conditions for this source occur in the following groups: SG11B NNSR SOURCES #2

**I. RESTRICTIONS.****Fuel Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa Code Section 129.91, RACT]

In accordance with the RACT Plan, the permittee shall:

a. Limit the emissions from the furnace during any consecutive 12-month period to the following:

1. Particulate - 0.11 tons
2. Sulfur Dioxide - 0.01 tons
3. Carbon Monoxide - 1.26 tons
4. Nitrogen Oxides - 1.52 tons
5. VOC - 0.08 tons

b. Limit the NO_x emissions from the furnace to 80 ppmv (three (3) hour average),

c. Limit the fuel usage during any consecutive 12-month period to 30 million cubic feet of natural gas,

d. Operate the furnace such that no visible emissions result.

002 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall only combust natural gas in the source.

003 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall operate the furnace in accordance with the manufacturer's specifications.

**SECTION D. Source Level Requirements****II. TESTING REQUIREMENTS.**

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain monthly records and 12-month rolling totals of the following:

- a. Natural gas consumption
- b. Pollutants in Condition #001

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 702

Source Name: #8B REHEAT FURNACE F-807; B-78

Source Capacity/Throughput:

15.000 MCF/HR

NATURAL GAS

Conditions for this source occur in the following groups: SG11B NNSR SOURCES #2

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa Code Section 129.91, RACT]

In accordance with the RACT Plan, the permittee shall limit:

a. The emissions from the furnace during any consecutive 12-month period shall not exceed the following:

1. Particulate - 0.11 tons
2. Sulfur Dioxide - 0.01 tons
3. Carbon Monoxide - 1.26 tons
4. Nitrogen Oxides - 1.52 tons
5. VOC - 0.08 tons

b. The NO_x emissions from the furnace to 80 ppmv (three (3) hour average),

c. The fuel usage during any consecutive 12-month period to 30 million cubic feet of natural gas in the furnace,

d. The operation of the furnace such that it results in no visible emissions.

Fuel Restriction(s).**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall only combust natural gas in the source.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Requirements****III. MONITORING REQUIREMENTS.**

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain monthly records and 12-month rolling totals of the following:

- a. Natural gas consumption
- b. The pollutants in Condition #001

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate the furnace in accordance with the manufacturer's specifications.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 703

Source Name: #4 HOMO REHEAT F-813; B-118

Source Capacity/Throughput:

12.000 MCF/HR

NATURAL GAS

Conditions for this source occur in the following groups: SG11B NNSR SOURCES #2

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa Code Section 129.91, RACT]

In accordance with the RACT Plan, the permittee shall:

a. Limit the emissions from the furnace during any consecutive 12-month period to the following:

1. Particulate - 0.11 tons
2. Sulfur Dioxide - 0.01 tons
3. Carbon Monoxide - 1.26 tons
4. Nitrogen Oxides - 1.52 tons
5. VOC - 0.08 tons

b. Limit the NO_x emissions to 80 ppmv (three (3) hour average),

c. Limit the fuel usage during any consecutive 12-month period to 30 million cubic feet of natural gas,

d. Operate the furnace such that no visible emissions result.

Fuel Restriction(s).**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall only combust natural gas in the source.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Requirements****III. MONITORING REQUIREMENTS.**

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain monthly records and 12-month rolling totals of the following:

- a. Natural gas consumption
- b. The pollutants in Condition #001

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate the furnace in accordance with the manufacturer's specifications.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 704

Source Name: #5 HOMO BATCH REHEAT F-814; B-118

Source Capacity/Throughput:

15.000 MCF/HR

NATURAL GAS

Conditions for this source occur in the following groups: SG11B NNSR SOURCES #2

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa Code Section 129.91, RACT]

In accordance with the RACT Plan, the permittee shall:

- Limit the NOx emissions to 80 ppmv, three (3) hour average).
- Limit the fuel usage during any consecutive 12-month period to 30 million cubic feet of natural gas.

002 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa Code Section 129.91, RACT]

In accordance with the RACT Plan; Plan Approval No. 06-1007R; and Plan Approval No. 06-05007D, the emissions from the above furnace during any consecutive 12-month period shall be limited to:

- PM-10 - 0.11 tons
- Sulfur Dioxide - 0.01 tons
- Carbon Monoxide - 1.26 tons
- Nitrogen Oxide - 1.52 tons
- VOC - 0.08 tons

Fuel Restriction(s).**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall only combust natural gas in the source.

**SECTION D. Source Level Requirements****II. TESTING REQUIREMENTS.**

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain monthly records and 12-month rolling totals of the following:

- a. Natural gas consumption
- b. The pollutants in Condition #002

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate the furnace in accordance with the manufacturer's specifications.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 705

Source Name: #6 HOMO REHEAT F-815; B-118

Source Capacity/Throughput:

15.000 MCF/HR

NATURAL GAS

Conditions for this source occur in the following groups: SG11B NNSR SOURCES #2

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa Code Section 129.91, RACT]

In accordance with the RACT Plan, the emissions from the above furnace during any consecutive 12-month period shall be limited to:

- a. PM-10 - 0.11 tons
- b. Sulfur Dioxide - 0.01 tons
- c. Carbon Monoxide - 1.26 tons
- d. Nitrogen Oxide - 1.52 tons
- e. VOC - 0.08 tons

002 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa Code Section 129.91, RACT]

In accordance with the RACT Plan, the permittee shall:

- a. Limit the NO_x emissions to 80 ppmv, three (3) hour average
- b. Limit the fuel usage during any consecutive 12-month period to 30 million cubic feet of natural gas.

Fuel Restriction(s).**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall only combust natural gas in the source.

**SECTION D. Source Level Requirements****II. TESTING REQUIREMENTS.**

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain monthly records and 12-month rolling totals of the following:

- a. Natural gas consumption
- b. The pollutants in Condition #001

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain the furnace in accordance with the manufacturer's specifications.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

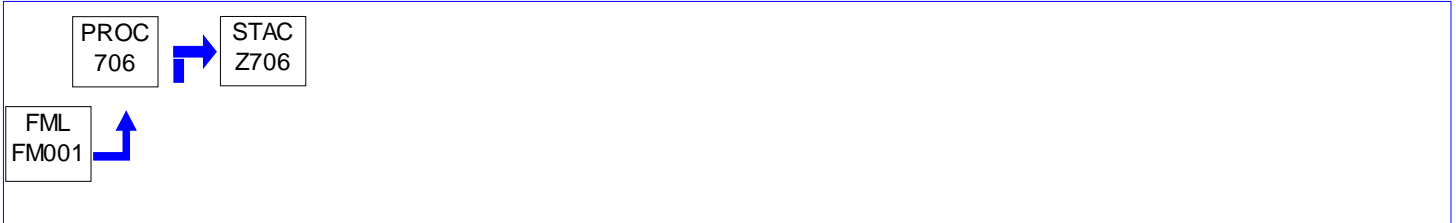
**SECTION D. Source Level Requirements**

Source ID: 706

Source Name: 3000T #1 BATCH REHEAT F-816; B-78

Source Capacity/Throughput: 15.000 MCF/HR NATURAL GAS

Conditions for this source occur in the following groups: SG11B NNSR SOURCES #2

**I. RESTRICTIONS.****Fuel Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa Code Section 129.91, RACT]

In accordance with the RACT Plan, the permittee shall:

- a. Limit the NOx emissions to 80 ppmv (three (3) hour average),
- b. Limit the emissions during any consecutive 12-month period from the above furnace to following:
 1. Particulate - 0.11 tons
 2. Sulfur Dioxide - 0.01 tons
 3. Carbon Monoxide - 1.26 tons
 4. Nitrogen Oxides - 1.52 tons
 5. VOC - 0.08 tons
- c. Limit the annual fuel usage during any consecutive 12-month period to 30 million cubic feet of natural gas,
- d. Operate the furnace with no result visible emissions.
- e. The furnaces shall be operated in accordance with the manufacturer's specifications.

002 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall only combust natural gas in the source.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Requirements****III. MONITORING REQUIREMENTS.**

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain monthly record and 12-month rolling total of the following:

- a. Natural gas consumption
- b. The pollutants in condition #001

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain the furnace in accordance with the manufacturer's specifications.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 707

Source Name: 3000T #3 BATCH REHEAT F-817; B-78

Source Capacity/Throughput:

15.000 MCF/HR

NATURAL GAS

Conditions for this source occur in the following groups: SG11B NNSR SOURCES #2

**I. RESTRICTIONS.****Fuel Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa Code Section 129.91, RACT]

In accordance with the RACT Plan, the permittee shall:

- a. Limit the NOx emissions to 80 ppmv (three (3) hour average),
- b. Limit the emissions during any consecutive 12-month period from the above furnace shall to the following:
 1. Particulate - 0.11 tons
 2. Sulfur Dioxide - 0.01 tons
 3. Carbon Monoxide - 1.26 tons
 4. Nitrogen Oxides - 1.52 tons
 5. VOC - 0.08 tons
- c. Limit the fuel usage during any consecutive 12-month period to 30 million cubic feet of natural gas.
- d. Operate the furnace with no visible emissions.
- e. The furnaces shall be operated in accordance with the manufacturer's specifications.

002 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall only combust natural gas in the source.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Requirements****III. MONITORING REQUIREMENTS.**

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain monthly records and 12-month totals of the following:

- a. Natural gas consumption
- b. The pollutants in Condition #001

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain the furnace in accordance with the manufacturer's specifications.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 708

Source Name: REHEAT FURNACE F-940, B-78

Source Capacity/Throughput:

12.000 MCF/HR

Natural Gas

Conditions for this source occur in the following groups: SG17

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 718

Source Name: REHEAT FURNACE F-941, B-78

Source Capacity/Throughput:

12.000 MCF/HR

Natural Gas

Conditions for this source occur in the following groups: SG17

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

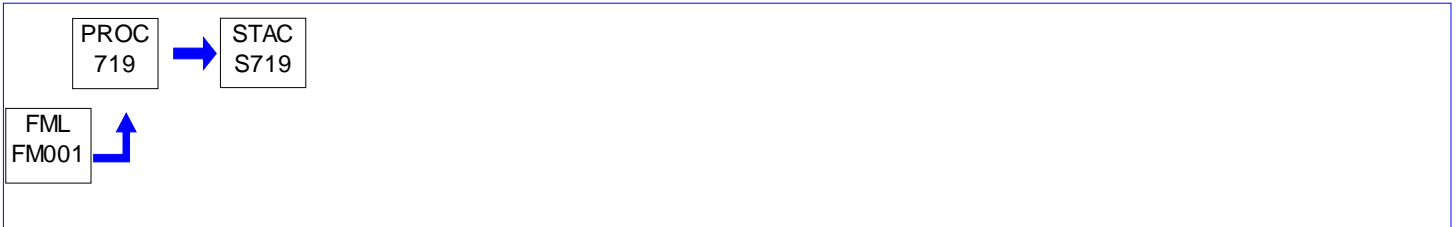
**SECTION D. Source Level Requirements**

Source ID: 719

Source Name: EBNER BELL ANNEALING FURNACE F-841,B-48B

Source Capacity/Throughput: 2.800 MCF/HR NATURAL GAS

Conditions for this source occur in the following groups: SG11B NNSR SOURCES #2
SG14 STRIP MILL

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 720

Source Name: HEAVY GAUGE VERTICAL FURNACE F-842 (B-48)

Source Capacity/Throughput: 3.160 MCF/HR NATURAL GAS

Conditions for this source occur in the following groups: SG14 STRIP MILL

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

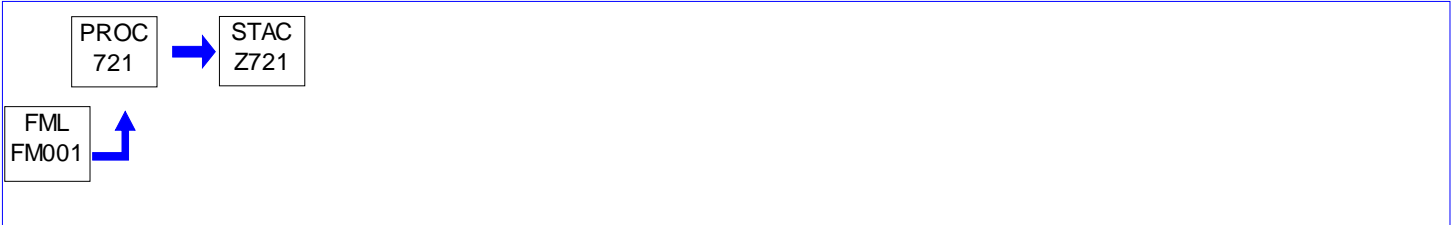
***** Permit Shield in Effect. *****



SECTION D. Source Level Requirements

Source ID: 721 Source Name: LT LINE #1 VERTICAL FURNACE F-843
Source Capacity/Throughput: 3.160 MCF/HR NATURAL GAS

Conditions for this source occur in the following groups: SG14 STRIP MILL



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 722

Source Name: LT LINE #2 VERTICAL FURNACE F-844

Source Capacity/Throughput:

3.160 MCF/HR

NATURAL GAS

Conditions for this source occur in the following groups: SG14 STRIP MILL

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 728

Source Name: 4000T PRESS BATCH FURNACE F-848; B-78

Source Capacity/Throughput: 14.600 MCF/HR NATURAL GAS

Conditions for this source occur in the following groups: SG12 FORGE PRESS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 729

Source Name: 4000 TON PRESS BATCH FURNACE F-849

Source Capacity/Throughput: 14.600 MCF/HR NATURAL GAS

Conditions for this source occur in the following groups: SG12 FORGE PRESS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 730

Source Name: 4000 TON PRESS BATCH FURNACE F-850

Source Capacity/Throughput: 14.600 MCF/HR NATURAL GAS

Conditions for this source occur in the following groups: SG12 FORGE PRESS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 731

Source Name: 4000 T PRESS BATCH FURNACE F-851

Source Capacity/Throughput: 14.600 MCF/HR NATURAL GAS

Conditions for this source occur in the following groups: SG12 FORGE PRESS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 732

Source Name: 4000 TON PRESS BATCH FURNACE F-852

Source Capacity/Throughput: 14.600 MCF/HR NATURAL GAS

Conditions for this source occur in the following groups: SG12 FORGE PRESS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 733

Source Name: 4000 T PRESS BATCH FURNACE F-853

Source Capacity/Throughput: 14.600 MCF/HR NATURAL GAS

Conditions for this source occur in the following groups: SG12 FORGE PRESS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

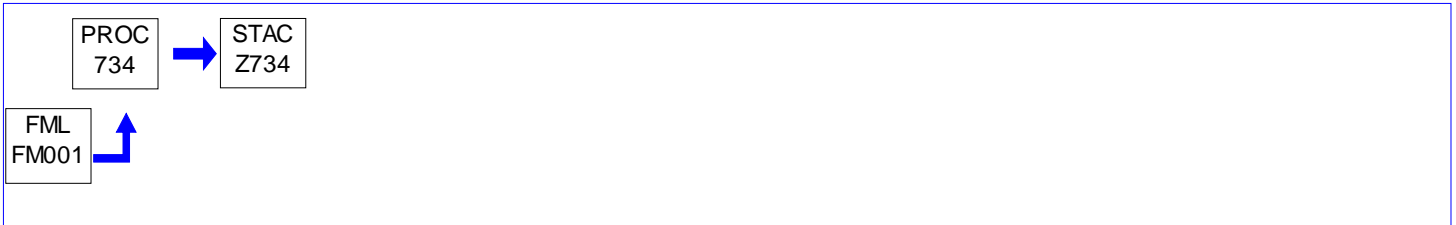
**SECTION D. Source Level Requirements**

Source ID: 734

Source Name: 4000 TON PRESS BATCH FURNACE F-854

Source Capacity/Throughput: 14.600 MCF/HR NATURAL GAS

Conditions for this source occur in the following groups: SG12 FORGE PRESS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 736

Source Name: 4000 TON PRESS BATCH FURNACE F-856

Source Capacity/Throughput: 20.400 MCF/HR NATURAL GAS

Conditions for this source occur in the following groups: SG12 FORGE PRESS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 755

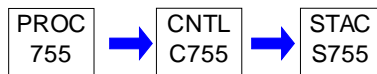
Source Name: 20HI COLD ROLLING MILL IN B-48B

Source Capacity/Throughput:

5.000 Tons/HR

STEEL ALLOYS

Conditions for this source occur in the following groups: SG02 ABRASIVE FINISHING
SG25 RACT 2 CASE-BY-CASE REQUIREMENTS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 756

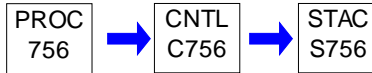
Source Name: WET STRIP GRINDER B-48B

Source Capacity/Throughput:

5.000 Tons/HR

STEEL ALLOYS

Conditions for this source occur in the following groups: SG02 ABRASIVE FINISHING

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

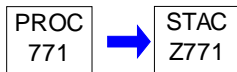
**SECTION D. Source Level Requirements**

Source ID: 771

Source Name: F-794 LAUNDER PREHEAT WEST

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SG11B NNSR SOURCES #2

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 773

Source Name: COIL BAKER OVEN N: F-839, B48B

Source Capacity/Throughput:

2.000 MCF/HR

NATURAL GAS

Conditions for this source occur in the following groups: SG14 STRIP MILL

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 774

Source Name: COIL BAKER OVEN S: F-840, B48B

Source Capacity/Throughput:

2.000 MCF/HR

NATURAL GAS

Conditions for this source occur in the following groups: SG14 STRIP MILL

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

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IV. RECORDKEEPING REQUIREMENTS.

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V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

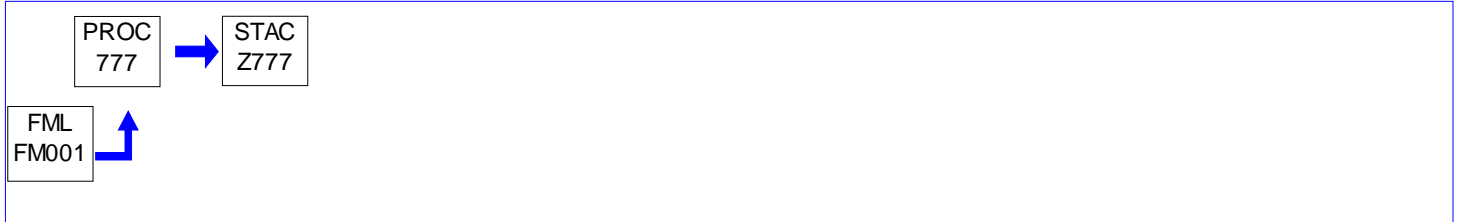
**SECTION D. Source Level Requirements**

Source ID: 777

Source Name: 4000 TON PRESS BATCH FURNACE F-860

Source Capacity/Throughput: 20.400 MCF/HR NATURAL GAS

Conditions for this source occur in the following groups: SG12 FORGE PRESS
 SG25 RACT 2 CASE-BY-CASE REQUIREMENTS
 SG28 RACT 3 CASE-BY-CASE REQUIREMENTS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

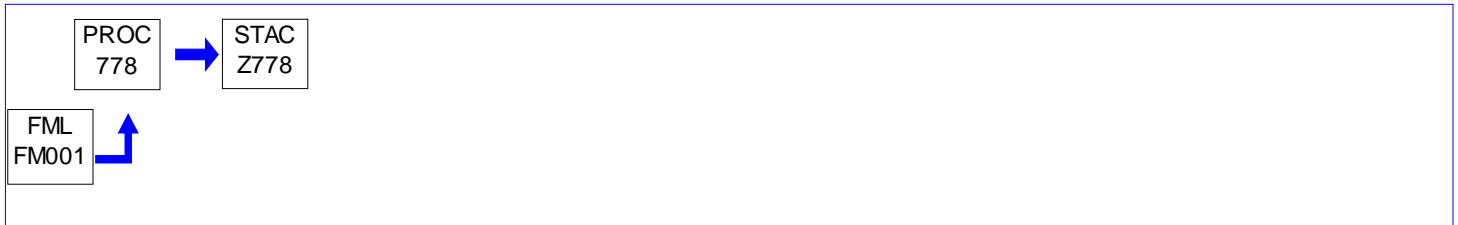
**SECTION D. Source Level Requirements**

Source ID: 778

Source Name: 4000 TON PRESS BATCH FURNACE F-861

Source Capacity/Throughput: 20.400 MCF/HR NATURAL GAS

Conditions for this source occur in the following groups: SG12 FORGE PRESS
 SG25 RACT 2 CASE-BY-CASE REQUIREMENTS
 SG28 RACT 3 CASE-BY-CASE REQUIREMENTS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

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IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 779

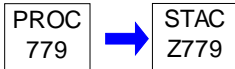
Source Name: #11 ANNEALING FURNACE F-846

Source Capacity/Throughput:

17.300 MCF/HR

NATURAL GAS

Conditions for this source occur in the following groups: SG11B NNSR SOURCES #2

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa Code Section 129.91, RACT]

In accordance with the RACT Plan, the permittee shall limit emissions from the #11 Annealing Furnace (F-846) to the following:

- a. The permittee shall limit the fuel consumption to 33 million cubic feet of natural gas during any consecutive 12-month period.
- b. The permittee shall limit the emissions of NO_x to 1.70 tons during any consecutive 12-month period

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain a record of the monthly natural gas consumption and NO_x emissions of the source.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 790

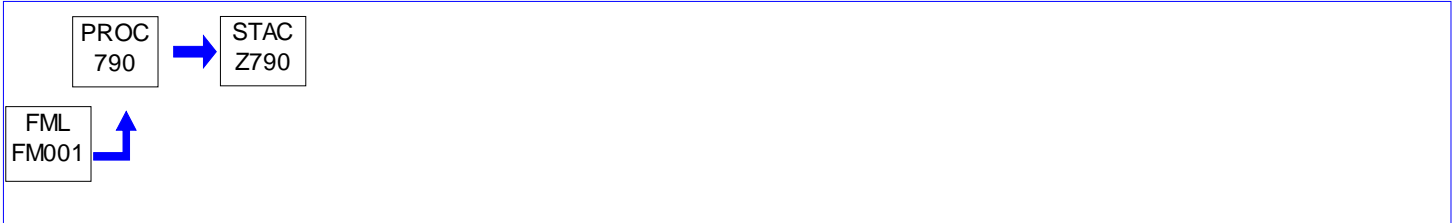
Source Name: 4500T DIE HEATING SYS F-866, B-78

Source Capacity/Throughput:

13.600 MCF/HR

NATURAL GAS

Conditions for this source occur in the following groups: SG12 FORGE PRESS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

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V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: SG00 BUILDING 48 BOILERS

Group Description: Boilers (Bldg 48)

Sources included in this group

ID	Name
047	#5 BOILER F-645, B-48 (JOHNSTON)
048	#3 BOILER F-572, B-48 (C-B)
049	#4 BOILER F-573, B-48 (C-B)
065	STRIP MILL BOILER F-863 B-048(CT 723)

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §123.22]****Combustion units**

(a) The permittee may not offer for sale, deliver for use, exchange in trade or permit the use commercial fuel oil in the Reading air basin which contain sulfur in excess of:

(1) No. 2 - 0.3% sulfur by weight

(b) Beginning September 1, 2020, the sulfur content of commercial fuel oil shall not exceed:

(1) No. 2 - 15 ppm (0.0015% by weight)

(c) Commercial fuel oil that was stored in this Commonwealth by the ultimate consumer prior to July 1, 2016, which met the applicable maximum allowable sulfur content for commercial fuel oil through June 30, 2016, in subparagraph (a) at the time it was stored, may be used by the ultimate consumer in this Commonwealth on and after July 1, 2016.

(d) Beginning July 1, 2016, the Department may temporarily suspend or increase the applicable maximum allowable sulfur content for a commercial fuel oil set forth in subparagraph (a) if the following occur:

(1) The Department receives a written request at the address specified in 25 Pa Code 123.22(h) for a suspension or increase on the basis that compliant commercial fuel oil is not reasonably available in the subject air basin.

The request must include the following:

(i) The subject air basin for which the suspension or increase is requested.

(ii) The reason compliant commercial fuel oil is not reasonably available.

(iii) The duration of time for which the suspension or increase is requested and the justification for the requested duration.

(2) The Department determines that an insufficient quantity of compliant commercial fuel oil is reasonably available in the subject air basin and that the circumstances leading to the insufficiency are due to events that could not have been reasonably foreseen or prevented and are not due to lack of prudent planning on the part of the transferor of the commercial fuel oil into or within the specified air basin.

(3) The Department approves the request, in writing, prior to the transferor distributing the noncompliant commercial fuel oil into or within the specified air basin area.

(e) The Department will limit a suspension or increase in the applicable maximum allowable sulfur content granted under subparagraph (d) to the shortest duration in which adequate supplies of compliant commercial fuel oil can be made reasonably available, but in no case longer than 60 days from the date the Department grants the suspension or increase.

[Additional authority for this permit condition is derived from 25 Pa Code §123.22(c)]

**SECTION E. Source Group Restrictions.****# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall limit the emissions from the boilers to the following:

- a. Boilers 047 (F-645); 048 (F-572), and 049 (F-573):
 - 1. Particulate - 0.4 pounds per million BTU
 - 2. Sulfur Oxides as SO₂ - 0.3 pounds per million BTU
- b. Boiler 065 (F-863):
 - 1. Particulate - 0.4 pounds per million BTU
 - 2. Sulfur Oxides as SO₂ - 0.3 pounds per million BTU
 - 3. NO_x (on gas) - 0.070 pounds per million BTU
 - 4. NO_x (on No. 2 fuel oil) - 0.19 pounds per million BTU

003 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall limit the combined emissions from all four boilers to the following during any consecutive 12-month period:

- a. Particulate - 1.6 tons
- b. Sulfur Oxides as SO₂ - 20.6 tons
- c. Nitrogen Oxides as NO₂ - 24.4 tons
- d. Carbon Monoxide - 17.2 tons
- e. Volatile Organic Compounds - 1.2 tons

004 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall operate the Strip Mill boiler F-863 (065) with no visible emissions.

Fuel Restriction(s).**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall operate the Strip Mill boiler F-863 (065) on natural gas only until the required testing for visible emissions has been conducted and passed.

006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.40c]**Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units
Applicability and delegation of authority.**

Natural gas and the commercial grade #2 fuel oil are the only fuels authorized under this permit to be used in #5 Johnston Boiler F-645 (047).

**SECTION E. Source Group Restrictions.****Throughput Restriction(s).****# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall limit the total heat input to the combined boilerhouse to 541.48 billion BTUs per any consecutive 12-month period.

008 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall limit the total fuel through-put to the boilerhouse to the following during any consecutive 12-month period:

- a. Natural Gas - 408 million cubic feet
- b. No. 2 Fuel Oil - 866,00 gallons

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.**# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain a permanently bound log book or other method approved by the Department. This log shall contain, at a minimum, the following information:

- a. The date of the tuning procedure
- b. The name of the service owner/operator and technicians
- c. The final operating rate or load
- d. The final CO and NO, emission rates
- e. The final excess oxygen rate
- f. Any other information required by this approval

010 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall maintain a record of the monthly natural gas and No. 2 fuel oil consumption of each source.

011 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall maintain a monthly record of the pollutants limited in Condition #003. These monthly records shall be included in a 12-month rolling total for the sources.

The emissions shall be determined using Department approved factors.

**SECTION E. Source Group Restrictions.****# 012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]
Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units
Reporting and recordkeeping requirements.**

The permittee shall maintain records of all fuel oil analyses or fuel oil certifications for each shipment of #2 fuel oil received for the most recent five year period.

V. REPORTING REQUIREMENTS.**# 013 [25 Pa. Code §127.441]
Operating permit terms and conditions.**

As part of the "AIMS" report, the permittee shall include a report showing the total fuel usage and emissions for the source group (SG00 Building 48 Boilers).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.**# 014 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.40c]
Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units
Applicability and delegation of authority.**

#5 Johnston Boiler F-645 (047) & Strip Mill Boiler F-723 (065) are subject to Subpart Dc of the Standards of Performance of New Stationary Sources shall comply with all applicable requirements of this Subpart. 40 CFR §60.4 requires submission of copies of all requests, reports, applications, submittals, and other communications to both EPA and the Department.

The EPA copies shall be forwarded to:

Director
Air Protection Division (3AP00)
U.S. EPA Region III
1650 Arch Street
Philadelphia, PA 19103-2029

The DEP copies shall be forwarded to the DEP SCRO Air Quality Program Manager at wiweaver@pa.gov, unless otherwise directed in writing by DEP.

In the event that the Federal Subpart that is the subject of this Source Group is revised, the permittee shall comply with the revised version of the subpart, and shall not be required to comply with any provisions in this permit designated as having the subpart as their authority, to the extent that such permit provisions would be inconsistent with the applicable provisions of the revised subpart.

*** **Permit Shield in Effect.** ***

**SECTION E. Source Group Restrictions.**

Group Name: SG01 BOILERS

Group Description: Boilers

Sources included in this group

ID	Name
041A	MISCELLANEOUS BOILERS < 20 MMBTU
053	#1 BOILER F-657 B-122
054	#2 BOILER F-658 B-122
064	BOILER F-538, B-87

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §123.11]****Combustion units**

The permittee may not permit the emission into the outdoor atmosphere of particulate matter from each of the above sources except eleven miscellaneous boilers in group 041A & Boiler F-538 (064) in excess of the rate of 0.4 pound per million Btu of heat input.

002 [25 Pa. Code §123.22]**Combustion units**

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from a combustion unit in excess of the rate of 3 pounds per million BTU of heat input over any 1 hour period.

[Compliance with the requirement(s) specified in this streamlined permit condition assures compliance with the SIP-approved sulfur dioxide emissions limit specified in 40 CFR 52.2020 (c)(1)]

003 [25 Pa. Code §123.22]**Combustion units**

(a) The permittee may not offer for sale, deliver for use, exchange in trade or permit the use commercial fuel oil in the Reading air basin which contain sulfur in excess of:

(1) No. 2 - 0.3% sulfur by weight

(b) Beginning September 1, 2020, the sulfur content of commercial fuel oil shall not exceed:

(1) No. 2 - 15 ppm (0.0015% by weight)

(c) Commercial fuel oil that was stored in this Commonwealth by the ultimate consumer prior to July 1, 2016, which met the applicable maximum allowable sulfur content for commercial fuel oil through June 30, 2016, in subparagraph (a) at the time it was stored, may be used by the ultimate consumer in this Commonwealth on and after July 1, 2016.

(d) Beginning July 1, 2016, the Department may temporarily suspend or increase the applicable maximum allowable sulfur content for a commercial fuel oil set forth in subparagraph (a) if the following occur:

(1) The Department receives a written request at the address specified in 25 Pa Code 123.22(h) for a suspension or increase on the basis that compliant commercial fuel oil is not reasonably available in the subject air basin.

The request must include the following:

- (i) The subject air basin county or counties for which the suspension or increase is requested.
- (ii) The reason compliant commercial fuel oil is not reasonably available.

**SECTION E. Source Group Restrictions.**

(iii) The duration of time for which the suspension or increase is requested and the justification for the requested duration.

(2) The Department determines that an insufficient quantity of compliant commercial fuel oil is reasonably available in the subject air basin and that the circumstances leading to the insufficiency are due to events that could not have been reasonably foreseen or prevented and are not due to lack of prudent planning on the part of the transferor of the commercial fuel oil into or within the specified air basin.

(3) The Department approves the request, in writing, prior to the transferor distributing the noncompliant commercial fuel oil into or within the specified air basin area.

(e) The Department will limit a suspension or increase in the applicable maximum allowable sulfur content granted under subparagraph (d) to the shortest duration in which adequate supplies of compliant commercial fuel oil can be made reasonably available, but in no case longer than 60 days from the date the Department grants the suspension or increase.

[Additional authority for this permit condition is derived from 25 Pa Code §123.22(c)]

004 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa Code Section 129.91, RACT]

The permittee shall limit the operation of the #1 Boiler F-657 (053) and #2 Boiler F-658 (054) such that following limits are not exceeded:

a. The combined heat input of all the above boilers - 72,280 million BTUs per 12 month (rolling total).

b. Combined 12 month rolling fuel consumption totals:

1. Natural gas - 70 million cubic feet
2. No. 2 fuel oil - 222,000 gallons

c. Combined 12 month rolling total emissions:

1. Particulate - 0.50 tons
2. Sulfur Dioxide - 4.74 tons
3. Nitrogen Dioxides - 5.02 tons
4. Carbon Monoxide - 1.26 tons
5. VOC - 0.15 tons

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain records of the monthly fuel usage of the sources.

**SECTION E. Source Group Restrictions.****V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

006 [25 Pa. Code §127.444]

Compliance requirements.

The permittee shall operate and maintain the above sources in a manner consistent with good operating and maintenance practices.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: SG02 ABRASIVE FINISHING
 Group Description: GRINDERS, SAWS & CLEANERS

Sources included in this group

ID	Name
114	ROD LINE SHOT BLAST B-48B
116	18" SWING GRINDER B-41
119	OLD MIDWEST GRINDERS BLOCK #1 B-41
119A	NEW MIDWEST GRINDERS BLOCK #1 B-41
120	MIDWEST GRINDERS BLOCK #2 -B-41
121	MIDWEST GRINDERS BLOCK #3 B-41
122	MIDWEST GRINDERS BLOCK #4 B-41
123	VULCAN GRINDER, B-41
181	GRINDERS & BRAUN SAWS B-41
415	BELT POLISHER HEAD #1- B-118
417	CUT-OFF SAW IN B-118
434	ABRASIVE CUT-OFF SAW B-118
755	20HI COLD ROLLING MILL IN B-48B
756	WET STRIP GRINDER B-48B

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

No person shall permit the emissions into the outdoor atmosphere of particulate matter from any of the sources, except Sources 119A (New Midwest Grinders Block #1, B-41) and 417 (Cut-Off Saw in B-118), in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

002 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall operate the Cold Rolling Mill (755) and Wet Strip Grinder (756) in B-48B with no visible emissions.

003 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall limit the emissions of particulate matter to the outdoor atmosphere from the Sources 119A (New Midwest Grinders Block #1; B-41) and 417 (Cut-Off Saw in B-118) in a manner that the concentration of particulate matter in the effluent gas does not exceed 0.0052 grains per dry standard cubic foot.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Sections 64.3, 64.6 & 64.7, CAM]

**SECTION E. Source Group Restrictions.**

For the CAM subject source, the permittee shall use the pressure drop across the cells of the fabric collector to monitor its performance in the control of the emissions from the sources.

The permittee shall operate and maintain approved equipment (differential manometer or equivalent) to measure the pressure drop across the cells of the fabric collector.

The permittee shall monitor the pressure drop across each fabric collector once per day during the operation of the sources.

IV. RECORDKEEPING REQUIREMENTS.**# 005 [25 Pa. Code §127.441]
Operating permit terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Sections 64.8 & 64.9, CAM]

For the CAM sources, the permittee shall maintain the following information:

- a. Daily pressure drop readings across each fabric collector.
- b. All excursions and corrective actions taken in response to an excursion and the time elapsed until the corrective actions have been taken and completed.
- c. All inspections, calibrations and maintenance performed on the process parameter monitoring equipment. Any adjustments, repairs and/or replacements shall be recorded. These shall include the date and personnel conducting the actions.
- d. All monitoring equipment downtime incidents (other than downtime associated with accuracy checks or calibration checks). These shall include dates, times and durations, possible causes and corrective actions taken for the incidents.
- e. The results of the CAM quarterly and annual equipment inspections. These shall include any corrective actions taken.

All CAM records shall be maintained in a manner acceptable to the Department.

V. REPORTING REQUIREMENTS.**# 006 [25 Pa. Code §127.441]
Operating permit terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Section 64.9, CAM]

The permittee shall report the following items:

- a. All malfunctions and excursions, corrective actions taken, dates, times, durations and possible causes of events involving CAM sources to the Department every six months.
- b. All monitoring equipment down time incidents (other than down time associated with accuracy checks or calibration checks), their dates, times and durations, possible causes and corrective actions taken, every six months.

This report shall be required whether or not any excursions occurred. This shall be part of the semi-annual compliance reports.

VI. WORK PRACTICE REQUIREMENTS.**# 007 [25 Pa. Code §127.441]
Operating permit terms and conditions.**

**SECTION E. Source Group Restrictions.**

[Additional authority for this condition is derived from 40 CFR Section 64.8, CAM]

The permittee shall develop and implement a quality improvement plan (QIP) if the following occurs on the CAM control devices:

- a. The pressure drop across any fabric filter exceeds the limits for the device listed in Condition #009(a) of this section six or more times during any consecutive 6-month period.
- b. The Department determines after review of all reported information that the permittee has not responded acceptably to an excursion.

In general, the QIP should be developed within 60 days and the permittee shall provide a copy of the QIP to the Department. Furthermore, the permittee shall notify the Department if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.

The permittee shall record any actions taken to implement a QIP during a reporting period and all related actions including, but not limited to, inspections, repairs and maintenance performed on the measuring equipment.

In accordance with 40 CFR Section 64.8, CAM, the QIP shall include procedures for evaluating the control performance problems. Based on the results of the evaluation procedures, the QIP shall be modified to include procedures for conducting more frequent or improved monitoring in conjunction with one or more of the following:

- a. Improved preventive maintenance practices
- b. Process operation changes
- c. Appropriate improvements in control methods
- d. Other steps appropriate to correct performance

Following implementation of the QIP, the Department will require reasonable revisions to the QIP if the plan has failed to either:

- a. Address the cause of the control device performance problem
- b. Provide adequate procedures for correcting control device performance as expeditiously as practicable in accordance with good air pollution practices for minimizing emissions.

Implementation of the QIP shall not excuse the permittee from compliance with any existing emission limitations or standards or any existing monitoring, testing, reporting, work practices and record keeping requirements that may apply under any federal, state or local laws or any other applicable requirement under the Clean Air Act.

008 [25 Pa. Code §127.441]
Operating permit terms and conditions.

[Additional authority for this condition is derived from 40 CFR Section 64.7, CAM]

The permittee shall inspect the fabric collectors and the associated equipment controlling the particulate emissions from the CAM sources for the following:

- a. Quarterly:
 1. Leaks in the exhaust ductwork to and from the collector
 2. Leak in the collector and associated equipment
 3. Leaks in the waste collection system
- b. Annually:
 1. Wear in the exhaust fan, filter media, collector internal parts and collector housing
 2. The waste removal system for operability.

**SECTION E. Source Group Restrictions.****# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall operate the CAM sources in the following manner:

a. For the purpose of determining the need for a QIP, the permittee shall use the following pressure drop ranges:

Source	Description	Baghouse	Delta P inches water
181	Danielli Grinder	C32	0.75 - 10
181	Cut Off Saw Cell 1	C32	0.75 - 10
181	Cut Off Saw Cell 2	C32	0.75 - 10
123	Tysaman Grinder AAF	C17	0.5 - 9.5
114	Rod Line Shot Blaster	C09	1.0 - 9.0
417	Cut-Off Saw in B-118	C417	0.5 - 9.5

The ranges may be modified by the permittee with prior approval from the Department.

b. The daily readings shall be averaged over a calendar week. An excursion occurs, if this average value is outside of the range established above. Failure to perform a daily monitoring and/or record keeping of the process parameter shall also be defined as an excursion.

c. The monitoring equipment shall be checked weekly to see that it returns to zero, or in the case of a U-tube, the measuring device shall return to level. If not it shall be zeroed or leveled. The tubing to and from the monitor shall be checked for leakage and/or blockage, once per quarter. If a mechanical device is used to measure the pressure drop, the device shall be calibrated once per year. Monitoring equipment that is not operating with a measuring accuracy that meets the manufacturer's specifications shall be replaced.

d. Spare monitoring equipment and related parts shall be maintained on site for routine repairs/replacement.

010 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Equipment (a differential manometer or equivalent, as approved by the Department), shall be provided and maintained so that at any time the pressure drop across the fabric collectors can be measured.

VII. ADDITIONAL REQUIREMENTS.**# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The following sources are subject to Compliance Assurance Monitoring (CAM):

- Source 114 - Rod Line Shot Blast B-48B
- Source 181 - Grinders & Braun Saws B-41
- Source 123 - Vulcan Grinder B-41
- Source 417 - Cut-Off Saw in B-118

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: SG03 MELT SHOP

Group Description: Melt Shop

Sources included in this group

ID	Name
126	ELECTRIC ARC FURNACE A
127	ELECTRIC ARC FURNACE B
128	ELECTRIC ARC FURNACE D
130	ELECTRIC ARC FURNACE E
169	#1 AOD PREHTR F-531, B-89
171	AOD VESSEL #1
176	AOD VESSEL 2
177	ELECTRIC ARC FURNACE F
189	AOD VESSEL #3 - B-113
302A	TWELVE MISC. HEATING PROCESSES

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

No person shall permit the emissions into the outdoor atmosphere of particulate matter from any of the sources in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

002 [25 Pa. Code §123.21]**General**

The permittee may not permit the emission into the outdoor atmosphere of sulfur dioxide from a source in a manner that the concentration of sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

003 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa Code Section 129.91, RACT]

The emissions from the Melt Shop shall be limited to the following:

a. [MOVED TO SG23]

b. [MOVED TO SG23]

c. The total annual emissions from the Melt Shop shall not exceed the following:

1. NO_x - 100 tons during any consecutive 12-month period
2. VOC - 124 tons during any consecutive 12-month period

d. The No. 2 AOD Vessel (176) and No. 3 AOD Vessel (189) and "F" Arc Furnace (177) together shall not exceed the following additional limits.

1. Particulate:

A. 0.0017 gr/dscf

**SECTION E. Source Group Restrictions.**

B. 35 tons during any consecutive 12-month period

2. Sulfur Dioxide: 32.7 tons during any consecutive 12-month period

3. Carbon Monoxide: 440.7 tons during any consecutive 12-month period

e. [MOVED TO SG23]

f. The No. 3 AOD Vessel (189) and "F" Arc Furnace (177) are subject to Subpart AAa of the Standards of Performance for New Stationary Sources and shall comply with all applicable requirements of 40 CFR Part 60, Subpart AAa.

g. The permittee shall conduct visible emission reading on the Fabric Collector controlling the No. 3 AOD Vessel (189) and "F" Arc Furnace (177) in accordance with NSPS, Sections 60.8 and 60.272a of 40 CFR Part 60, Subpart AAa. The Department and EPA shall be notified of any violations.

h. Equipment (a Differential Manometer or equivalent, as approved by the Department), shall be provided and maintained so that at any time the pressure drop across the Melt Shop No. 2 Fabric Collector can be measured.

004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.272a]

**Subpart AAa - Standards of Performance for Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed After August 7, 1983
Standard for particulate matter.**

Opacity based on an average of 24 observations in six minutes shall not exceed the following limits:

- a. Exit from #2 Baghouse - 3 percent.
- b. Exit from the Melt Shop due to the operation of "F" Arc Furnace (177) & No. 3 AOD Vessel (189) - 6 percent.
- c. Exit from Dust-Handling System - 10 percent.

Throughput Restriction(s).

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the steel alloy throughput to the following:

- a. "F" Arc Furnace (F-620) - 122,000 tons during any consecutive 12-month period
- b. No. 3 AOD (F-699) - 150,000 tons during any consecutive 12-month period

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.273a]

**Subpart AAa - Standards of Performance for Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed After August 7, 1983
Emission monitoring.**

The permittee shall conduct observations of the opacity of the visible emissions from the control device controlling the "F" Arc Furnace (177), and AOD Vessel #3 (189). These observations shall be performed by a certified visible emission observer as follows:

**SECTION E. Source Group Restrictions.**

Visible emission observations are conducted at least once per day when the furnace is operating in the melting period. These observations shall be taken in accordance with Method 9, and, for at least three 6-minute periods, the opacity shall be recorded for any point(s) where visible emissions are observed. Where it is possible to determine that a number of visible emission sites relate to only one incident of the visible emissions, only one set of three 6-minute observations will be required. In this case, Method 9 observations must be made for the site of highest opacity that directly relates to the cause (or location) of visible emissions observed during a single incident. Records shall be maintained of any 6-minute average that is in excess of the emission limit specified in 60.272a(a) of this subpart.

As an alternative the permittee may install and operate continuous monitoring system to measure the opacity from the control device. The device shall be calibrated, maintained and operated in accordance with the provisions of 40 CFR Part 60.

**# 007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.274a]
Subpart AA - Standards of Performance for Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed After August 7, 1983
Monitoring of operations.**

The permittee shall perform monthly operational status inspections of the equipment that is important to the performance of the total capture system (i.e., pressure sensors, dampers, and damper switches) for "F" Arc Furnace (177). This inspection shall include observations of the physical appearance of the equipment (e.g., presence of holes in ductwork or hoods, flow constrictions caused by dents or accumulated dust in ductwork, and fan erosion). Any deficiencies shall be noted and proper maintenance performed.

The permittee may petition the Department to approve any alternative to monthly operational status inspections that will provide a continuous record of the operation of each emission capture system.

IV. RECORDKEEPING REQUIREMENTS.

**# 008 [25 Pa. Code §127.441]
Operating permit terms and conditions.**

The permittee shall maintain monthly records of the following:

- a. Tons of steel alloy processed by "F" Arc Furnace
- b. Tons of steel alloy processed by No. 3 AOD
- c. Tons of the following emissions from the furnaces and AODs as emitted at the two fabric collectors:
 1. Particulate
 2. Nitrogen Oxides (NO_x) as NO₂
 3. Carbon Monoxide (CO)
 4. Sulfur Oxides as SO₂
 5. Volatile Organic Compounds (VOC)

**# 009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.274a]
Subpart AA - Standards of Performance for Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed After August 7, 1983
Monitoring of operations.**

The permittee shall maintain records of all monthly operational status inspections performed under Condition #007.

V. REPORTING REQUIREMENTS.

**# 010 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.276a]
Subpart AA - Standards of Performance for Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed After August 7, 1983
Recordkeeping and reporting requirements.**

**SECTION E. Source Group Restrictions.**

The permittee shall submit a written report of exceedances of the control device opacity to the Department semi-annually. For the purposes of these reports, exceedances are defined as all 6-minute periods during which the average opacity is 3 percent or greater.

The requirements of this section remain in force until and unless EPA, in delegating enforcement authority to a State under section 111(c) of the Act, approves reporting requirements or an alternative means of compliance surveillance adopted by such State. In that event, affected sources within the State will be relieved of the obligation to comply with this section, provided that they comply with the requirements established by the State.

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

**# 011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.270a]
Subpart AAa - Standards of Performance for Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed After August 7, 1983
Applicability and designation of affected facility.**

The "F" Arc Furnace (177) & the No. 3 AOD Vessel (189) are subject to Subpart AAa - "Standards of Performance for Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed After August 7, 1983" of the Standards of Performance for new stationary Source' and shall comply with all applicable requirements of this Subpart. 40 CFR § 60.4 requires submission of copies of all requests, reports, applications, submittals, and other communications to both EPA and the Department.

The EPA copies shall be forwarded to:

Director
Air Protection Division (3AP00)
U.S. EPA Region III
1650 Arch Street
Philadelphia, PA 19103-2029

The DEP copies shall be forwarded to the DEP SCRO Air Quality Program Manager at wiveaver@pa.gov, unless otherwise directed in writing by DEP.

In the event that the Federal Subpart that is the subject of this Source Group is revised, the permittee shall comply with the revised version of the subpart, and shall not be required to comply with any provisions in this permit designated as having the subpart as their authority, to the extent that such permit provisions would be inconsistent with the applicable provisions of the revised subpart.

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: SG03A OLD MELT SHOP CAM

Group Description: CAM for the old melt shop

Sources included in this group

ID	Name
126	ELECTRIC ARC FURNACE A
127	ELECTRIC ARC FURNACE B
128	ELECTRIC ARC FURNACE D
130	ELECTRIC ARC FURNACE E
171	AOD VESSEL #1

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.**# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Sections 64.3, 64.6 and 64.7, CAM]

The permittee shall use the pressure drop across the cells of the fabric collector to monitor its performance in the control of emissions from the sources.

The permittee shall operate and maintain approved equipment to measure the pressure drop across each cell of the fabric collector, and across the entire fabric collector.

The permittee shall monitor the pressure drop across the total fabric collector once per day during the operation of the sources. Once per week the permittee shall read the pressure drop across each cell of the fabric collector. If during the readings a cell is out of service, the permittee shall note this condition and the reason why the cell(s) are out of service.

IV. RECORDKEEPING REQUIREMENTS.**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Sections 64.7, 64.8 & 64.9, CAM]

The permittee shall maintain the following information:

- The daily pressure drop readings across the fabric collector and weekly pressure drop readings across each cell of the fabric collector.
- All excursions and corrective actions taken in response to an excursion and the time elapsed until the corrective actions have been taken and completed.
- All inspections, calibrations and maintenance performed on the process parameter monitoring equipment. Any adjustments, repairs and/or replacements shall be recorded. These shall include the date and personnel conducting the actions.
- All monitoring equipment downtime incidents (other than downtime associated with accuracy checks or calibration checks). These shall include dates, times and durations, possible causes and corrective actions taken for the incidents.

**SECTION E. Source Group Restrictions.**

e. The results of the CAM quarterly and annual equipment inspections. These shall include any corrective actions taken.

All CAM records shall be maintained in a manner acceptable to the Department.

V. REPORTING REQUIREMENTS.**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Section 64.9, CAM]

The permittee shall report the following items:

- a. All malfunctions and excursions, corrective actions taken, dates, times, durations and possible causes of events involving the sources to the Department every six months.
- b. All monitoring equipment down time incidents (other than downtime associated with accuracy checks or calibration checks), their dates, times and durations, possible causes and corrective actions taken every six months.

This shall be part of the semi-annual compliance reports.

VI. WORK PRACTICE REQUIREMENTS.**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Section 64.7, CAM]

The permittee shall inspect the fabric collector and associated equipment for the following:

- a. Quarterly:
 1. Leaks in the exhaust ductwork to and from the collector
 2. Leak in the collector and associated equipment
 3. Leaks in the waste collection system
- b. Annually:
 1. Wear in the exhaust fan, filter media, collector internal parts and collector housing
 2. The waste removal system for operability.

005 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Sections 64.3, 64.6, 64.7 & 64.8, CAM]

The permittee shall operate the CAM sources in the following manner:

- a. For the purposes of determining the need for a QIP, the permittee shall determine a pressure drop range for the fabric filters associated with this source group per Condition 006 in Section C. This range may be modified by the permittee with prior approval from the Department
- b. The daily readings shall be averaged over a calendar week. An excursion occurs, if this average value is outside of the range established above. Failure to perform a daily monitoring and/or record keeping of the process parameter shall also be defined as an excursion.

**SECTION E. Source Group Restrictions.**

c. The monitoring equipment shall be checked weekly to see that it returns to zero, or the case of a U-tube, return to level. If not, it shall be zeroed or leveled. The tubing to and from the meter shall be checked for leakage and/or blockage, once per quarter. If a mechanical device is used to measure the pressure drop, the device shall be calibrated once per year. Monitoring equipment that is not operating with a measuring accuracy that meets the manufacturer's specifications shall be replaced.

d. Spare monitoring equipment and related parts shall be maintained on site for routine repairs/replacement.

006 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Section 64.8, CAM]

The permittee shall develop and implement a quality improvement plan (QIP) if the following occurs:

- a. The pressure drop across any fabric filter exceeds the limits developed for the devices under Condition #006, Section C, six or more times during any consecutive 6-month period.
- b. The Department determines after review of all reported information that the permittee has not responded acceptably to an excursion.

In general, the QIP should be developed within 60 days and the permittee shall provide a copy of the QIP to the Department. Furthermore, the permittee shall notify the Department if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.

The permittee shall record any actions taken to implement a QIP during a reporting period and all related actions including, but not limited to, inspections, repairs and maintenance performed on the monitoring equipment.

In accordance with 40 CFR Section 64.8, CAM, the QIP shall include procedures for evaluating the control performance problems. Based on the results of the evaluation procedures, the QIP shall be modified to include procedures for conducting more frequent or improved monitoring in conjunction with one or more of the following:

- a. Improved preventive maintenance practices
- b. Process operation changes
- c. Appropriate improvements in control methods
- d. Other step appropriate to correct performance

Following implementation of the QIP, the Department will require reasonable revisions to the QIP if the plan has failed to either:

- a. Address the cause of the control device performance problem
- b. Provide adequate procedures for correcting control device performance as expeditiously as practicable in accordance with good air pollution practices for minimizing emissions.

Implementation of a QIP shall not excuse the permittee from compliance with any existing emission limitation or standard or any existing monitoring, testing, reporting, work practice and record keeping requirements that may apply under any federal, state or local laws or any other applicable requirement under the Clean Air Act.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: SG03B NEW MELT SHOP CAM

Group Description: CAM for the new melt shop

Sources included in this group

ID	Name
176	AOD VESSEL 2
177	ELECTRIC ARC FURNACE F
189	AOD VESSEL #3 - B-113

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.**# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Sections 64.3, 64.6 & 64.7, CAM]

The permittee shall use the pressure drop across the cells of the fabric collector to monitor its performance in the control of the emissions from the sources.

The permittee shall operate and maintain approved equipment (differential manometer or equivalent) to measure the pressure drop across each cell of the fabric collector and across the entire fabric collector.

The permittee shall monitor the pressure drop across the total fabric collector once per day during the operation of the sources. Once per week the permittee shall read the pressure drop across each cell of the fabric collector. If during the readings a cell is out of service, the permittee shall note this condition and the reason why the cell(s) are out of service.

IV. RECORDKEEPING REQUIREMENTS.**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Sections 64.8 & 64.9, CAM]

The permittee shall maintain the following information:

- a. Daily pressure drop readings across the fabric collector and the weekly pressure drop across each cell of the fabric collector.
- b. All excursions and corrective actions taken in response to the excursions and the time elapsed until the corrective actions have been taken and completed.
- c. All inspections, calibrations and maintenance performed on the process parameter monitoring equipment. Any adjustments, repairs and/or replacements shall be recorded. These shall include the date and personnel conducting the actions.
- d. All monitoring equipment downtime incidents (other than downtime associated with accuracy checks or calibration checks). These shall include dates, times and durations, possible causes and corrective actions taken for the incidents.
- e. The results of the CAM quarterly and annual equipment inspections. these shall include any corrective actions taken.

**SECTION E. Source Group Restrictions.**

All CAM records shall be maintained in a manner acceptable to the Department.

V. REPORTING REQUIREMENTS.**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Section 64.9, CAM]

The permittee shall report the following items:

- a. All malfunctions and excursions, corrective actions taken, dates, times, durations and possible causes of events involving the sources to the Department every six months.
- b. All monitoring equipment down time incidents (other than downtime associated with accuracy checks or calibration checks), their dates, times and duration, possible causes and corrective actions taken, every six months.

This shall be part of the semi-annual compliance reports.

VI. WORK PRACTICE REQUIREMENTS.**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Section 64.7, CAM]

The permittee shall inspect the fabric collector and associated equipment for the following:

- a. Quarterly:
 1. Leaks in the exhaust ductwork to and from the collector
 2. Leak in the collector and associated equipment
 3. Leaks in the waste collection system
- b. Annually:
 1. Wear in the exhaust fan, filter media, collector internal parts and collector housing
 2. The waste removal system for operability.

005 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Sections 64.3, 64.6, 64.7 & 64.8, CAM]

The permittee shall operate the sources in the following manner:

- a. For the purposes of determining the need for a QIP, the permittee shall determine a pressure drop range for the fabric filters associated with this source group per Condition 006 on Section C. This range may be modified by the permittee with prior approval from the Department.
- b. The daily readings shall be averaged over a calendar week. An excursion occurs, if this average value is outside of the range established above. Failure to perform a daily monitoring and/or record keeping of the process parameter shall also be defined as an excursion.
- c. The monitoring equipment shall be checked weekly to see that it returns to zero, or in the case of a U-tube, to level. If not

**SECTION E. Source Group Restrictions.**

it shall be zeroed or leveled. The tubing to and from the meter shall be checked for leakage and/or blockage, once per quarter. If a mechanical device is used to measure the pressure drop, the device shall be calibrated once per year. Monitoring equipment that is not operating with a measuring accuracy that meets the manufacturer's specifications shall be replaced.

d. Spare monitoring equipment and related parts shall be maintained on site for routine repairs/replacements.

006 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Section 64.8, CAM]

The permittee shall develop and implement a quality improvement plan (QIP) if the following occurs:

- a. The pressure drop across any fabric filter exceeds the limits developed for the devices under Condition #006, Section C, six or more times during any consecutive 6-month period.
- b. The Department determines after review of all reported information that the permittee has not responded acceptably to an excursion.

In general, the QIP should be developed within 60 days and the permittee shall provide a copy of the QIP to the Department. Furthermore, the permittee shall notify the Department if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.

The permittee shall record any actions taken to implement a QIP during a reporting period and all related actions including, but not limited to, inspections, repairs and maintenance performed on the monitoring equipment.

In accordance with 40 CFR Section 64.8, CAM, the QIP shall include procedures for evaluating the control performance problems. Based on the results of the evaluation procedures, the QIP shall be modified to include procedures for conducting more frequent or improved monitoring in conjunction with one or more of the following:

- a. Improved preventive maintenance practices
- b. Process operation changes
- c. Appropriate improvements in control methods
- d. Other step appropriate to correct performance

Following implementation of the QIP, the Department will require reasonable revisions to the QIP if the plan has failed to either:

- a. Address the cause of the control device performance problem
- b. Provide adequate procedures for correcting control device performance as expeditiously as practicable in accordance with good air pollution practices for minimizing emissions.

Implementation of a QIP shall not excuse the permittee from compliance with any existing emission limitation or standard or any existing monitoring, testing, reporting, work practice and record keeping requirements that may apply under any federal, state or local laws or any other applicable requirement under the Clean Air Act.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: SG04 ROTARY SLUDGE DRYER

Group Description: Sludge Dryer (WW Treatment)

Sources included in this group

ID	Name
140	ROTARY SLUDGE DRYER F751 B131
141	TRUCK FILL SPOUT (SLUDGE DRYER)
142	SLUDGE DRYER SILO

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

No person shall permit the emissions into the outdoor atmosphere of particulate matter from any of the sources in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

002 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa Code Section 129.91,RACT]

The emission of NO_x, from the Rotary Sludge Dryer (140)(F-751) shall not exceed 2.55 tons during any consecutive 12-month period.

003 [40 CFR Part 61 NESHAPs §40 CFR 61.52]**Subpart E--National Emission Standard for Mercury Emission standard.**

The permittee shall limit mercury emissions into the atmosphere from the Rotary Sludge Dryer (140)(F-751) to 3.2 kilograms (7.1 pounds) of mercury per 24-hour period.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Sections 64.3, 64.6 & 64., CAM]

The permittee shall use the pressure drop across the fabric collector to monitor its performance in the control of emissions from the Sludge Dryer.

The permittee shall operate and maintain approved equipment (differential manometer or equivalent) to measure the pressure drop across the sludge dryer fabric collector.

The permittee shall monitor the pressure drop across the fabric collector once per shift during the operation of the sludge dryer.

**SECTION E. Source Group Restrictions.****IV. RECORDKEEPING REQUIREMENTS.****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa Code Section 129.91, RACT]

The permittee shall maintain the following records for the Rotary Sludge Dryer (140)(F-751):

- a. Monthly NOx emissions
- b. 12-month rolling NOx emissions
- c. Monthly hours of operation
- d. Monthly mercury emissions
- e. Monthly amount of dried sludge

006 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Sections 64.8 & 64.9, CAM]

The permittee shall maintain the following information for the Sludge Dryer:

- a. The pressure drop readings (once per shift) across the fabric collector.
- b. All excursions and corrective actions taken in response to an excursion and the time elapsed until the corrective actions have been taken and complied.
- c. All inspections, calibrations and maintenance performed on the process parameter monitoring equipment. Any adjustments, repairs and/or replacements shall be recorded. These shall include the date and personnel conducting the actions.
- d. All monitoring equipment downtime incidents (other than downtime associated with accuracy checks or calibration checks). These shall include dates, times and durations, possible causes and corrective actions taken for the incidents.
- e. The results of the quarterly and annual equipment inspections. these shall include any corrective actions taken.

All records shall be maintained in a manner acceptable to the Department.

V. REPORTING REQUIREMENTS.**# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Section 64.9, CAM]

The permittee shall report the following for the Sludge Dryer:

- a. All malfunctions and excursions, corrective actions taken, dates, times, durations and possible causes of events involving the source to the Department every six months.
- b. All monitoring equipment downtime incidents (other than downtime associated with accuracy checks or calibration checks), their dates, times and durations, possible causes and corrective actions taken, every six months.

This shall be part of the semi-annual compliance reports.

**SECTION E. Source Group Restrictions.****VI. WORK PRACTICE REQUIREMENTS.****# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Section 64.7, CAM]

The permittee shall inspect the sludge dryer fabric collector and associated equipment for the following:

a. Quarterly:

1. Leaks in the exhaust ductwork to and from the collector
2. Leak in the collector and associated equipment
3. Leaks in the waste collection system

b. Annually:

1. Wear in the exhaust fan, filter media, collector internal parts and collector housing
2. The waste removal system for operability.

009 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Sections 64.3, 64.6, 64.7 & 64.8, CAM]

The permittee shall operate the sludge dryer in the following manner:

a. For the purposes of determining the need for a QIP, the permittee shall determine a pressure drop range for the fabric filter associated with this source group per Condition 006 in Section C. This range may be modified by the permittee with prior approval from the Department.

b. The per shift readings shall be averaged over a calendar week. An excursion occurs, if this average is outside of the range established above. Failure to perform the monitoring and/or record keeping of the process parameter shall also be defined as an excursion.

c. The monitoring equipment shall be checked weekly to see that it returns to zero, or in the case of U-tubes, to level. If not it shall be zeroed or leveled. The tubing to and from the meter shall be checked for leakage and/or blockage, once per quarter. If a mechanical device is used to measure the pressure drop, the device shall be calibrated once per year. Monitoring equipment that is not operating with a measuring accuracy that meets manufacturer's specifications shall be replaced.

d. Spare monitoring equipment and related parts shall be maintained on site for routine repairs/replacement.

010 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Section 64.8, CAM]

The permittee shall develop and implement a quality improvement plan (QIP) if the following occurs:

a. The pressure drop across the fabric filter exceeds the limits developed for the device under Condition #006, Section C, six or more times during any consecutive 6-month period.

b. The Department determines after review of all reported information that the permittee has not responded acceptably to an excursion.

In general, the QIP should developed within 60 days and the permittee shall provide a copy of the QIP to the Department. Furthermore, the permittee shall notify the Department if the period for completing the improvements contained in the QIP

**SECTION E. Source Group Restrictions.**

exceeds 180 days from the date on which the QIP was determined.

The permittee shall record any actions taken to implement a QIP during a reporting period and all related actions including, but not limited to, inspections, repairs and maintenance performed on the monitoring equipment.

In accordance with 40 CFR Section 64.8, CAM, the QIP shall include procedures for evaluating the control performance problems. Based on the results of the evaluation procedures, the QIP shall be modified to include procedures for conducting more frequent or improved monitoring in conjunction with one or more of the following:

- a. Improved preventive maintenance practices
- b. Process operation changes
- c. Appropriate improvements in control methods
- d. Other step appropriate to correct performance

Following implementation of the QIP, the Department will require reasonable revisions to the QIP if the plan has failed to either:

- a. Address the cause of the control device performance problem
- b. Provide adequate procedures for correcting control device performance as expeditiously as practicable in accordance with good air pollution practices for minimizing emissions.

Implementation of a QIP shall not excuse the permittee from compliance with any existing emission limitation or standard or any existing monitoring, testing, reporting, work practice and record keeping requirements that may apply under any federal, state or local laws or any other applicable requirement under the Clean Air Act.

VII. ADDITIONAL REQUIREMENTS.

**# 011 [40 CFR Part 61 NESHAPs §40 CFR 61.50]
Subpart E--National Emission Standard for Mercury
Applicability.**

The Rotary Sludge Dryer is subject to Subpart E of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) and shall comply with all applicable requirements of this Subpart. 40 CFR §61.04 requires submission of copies of all requests, reports, application, submittals, and other communications to both EPA and the Department.

The EPA copies shall be forwarded to:

Director
Air Protection Division (3AP00)
U.S. EPA Region III
1650 Arch Street
Philadelphia, PA 19103-2029

The DEP copies shall be forwarded to the DEP SCRO Air Quality Program Manager at wiweaver@pa.gov, unless otherwise directed in writing by DEP.

In the event that the Federal Subpart that is the subject of this Source Group is revised, the permittee shall comply with the revised version of the subpart, and shall not be required to comply with any provisions in this permit designated as having the subpart as their authority, to the extent that such permit provisions would be inconsistent with the applicable provisions of the revised subpart.

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: SG05 FURNACES

Group Description: Furnaces

Sources included in this group

ID	Name
145A	FOUR FURNACES IN BUILDING 1
151A	SEVEN HEATING FURNACES IN B-2
158A	SIX HEATING FURNACES IN B-55
160A	EIGHT HEATING FURNACES IN B-48
173A	FIVE TUNDISH HEATERS B-89 & 101
182A	TWO GENERAL FURNACES- B-68: F-1069 & 1188
200A	SIX ANNEALING FURNACE B-4
211A	LADLE HEATERS (TWELVE)
242A	3 HEATING FURNACES & #87 ANNEALING FURNACE IN B-48A
251A	ONE HEATING FURNACE IN B-48B
283A	SIX HEATING FURNACES IN B-78
292A	ANNEAL FURN F925 & F926, B-105
312A	EIGHT ANNEALING FURNACES IN B-120
320A	EIGHT HEAT FURNACES IN B-105
330A	ELEVEN #5 MILL FURNACES IN B-112
354A	FOUR ROTARY FORGE FURNACES IN B-118 & B-150

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

No person shall permit the emissions into the outdoor atmosphere of particulate matter from the source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot by way of a stack.

002 [25 Pa. Code §123.21]**General**

The permittee may not permit the emission into the outdoor atmosphere of sulfur dioxide from a source in a manner that the concentration of sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis by way of a stack.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

**SECTION E. Source Group Restrictions.**

The permittee shall maintain a list of all sources in this source group, their location, fuel and heat input rating. The list shall be updated quarterly and made available to the Department upon request. An updated list shall be submitted to the Department upon request. The permittee shall notify the Department of any new source(s) that potentially increase the emissions of NO_x or VOC by more than 1 ton during any consecutive 12-month period, except for sources specifically exempted by 25 Pa. Code Section 127.14. Any new source subject to the Department's Chapter 127 permitting requirements will be required to obtain a Plan Approval before construction.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: SG05A NEW FURNACES

Group Description: New Furnaces (BAT)

Sources included in this group

ID	Name
456	VARIOUS AUXILIARY UNITS BLDG 84
461	#5 ANNEALING FURNACE F-892 B-VIM
462	#6 ANNEALING FURNACE F-893 B-VIM
463	#7 ANNEALING FURNACE F-894 B-VIM
464	#8 ANNEALING FURNACE F-895 B-VIM
471	#7 BATCH HEATING FURNACE F-830 B-118
472	#8 BATCH HEAT FURNACE F-886 B-118
473	#9 BATCH HEATING FURNACE F-887 B-118
475	BATCH HEATING FURNACE F-888 B-78
476	BATCH HEATING FURNACE F-889 B-78
477	BATCH HEATING FURNACE F-890 B-78
478	BATCH HEATING FURNACE F-891 B-78
484	REHEAT FURNACE K, B-112
485	REHEAT FURNACE L, B-112

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall operate each of these sources in a manner that results in no visible emissions, except during periods of start-up, shut down and malfunction. At no time shall the emissions exceed the limits of 25 PA Code Section 124.41.

002 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall limit the total emissions from the Reheat Furnaces A & B (484 & 485) in B-112 to the following:

- The total NO_x emissions from the two furnaces combined shall not exceed 4.2 tons during any consecutive 12-month period.
- The total VOC emissions from the two furnaces combined shall not exceed 3.6 tons during any consecutive 12-month period.

The total natural gas combusted during any consecutive 12-month period in the two furnaces combined shall not exceed 84 million cubic feet.

Fuel Restriction(s).**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall limit the emissions to the outdoor atmosphere of particulate and sulfur oxides by firing only natural gas in the sources within this group source.

**SECTION E. Source Group Restrictions.****Throughput Restriction(s).****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall limit the total amount of natural gas fired by the following sources to 501 million dry standard cubic feet during any consecutive 12-month period:

456; 461 through 464; 471 through 473; and 475 through 478.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain a permanently bound log book or other method approved by the Department. This log book shall contain, at a minimum, the following information regarding each source within the group except Source 456:

- a. The date of the tuning procedure
- b. The name of the service company and technicians

006 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall maintain a record of the monthly consumption of natural gas by each furnace or group of furnaces that are located together. These monthly totals shall be added into a 12-month rolling total for all furnaces within this group source.

007 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall maintain records of the emissions (monthly and 12-month rolling total) from the Reheat Furnaces A & B (484 & 485) in B-112.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.**# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall or have performed an annual adjustment and/or tune-up on each source including the following:

- a. Inspection, adjustment, cleaning or replacement of all fuel-burning equipment, including the burners, and any moving

**SECTION E. Source Group Restrictions.**

parts necessary for the proper operation as specified by the manufacturer.

b. Inspection of the flame pattern or characteristics and adjustments necessary to minimize the emissions of NO_x and to the extent practicable minimize emissions of CO.

c. Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: SG07 BAT NOX SOURCES

Group Description: BAT NOx Sources

Sources included in this group

ID	Name
392	#63 ANNEAL FURNACE, F-797, B-78
393	#64 ANNEAL FURNACE, F-798, B-78
394	#62 RECTANGULAR BELL FURN, F-796, B-48
395	#45 ROLLER RAIL FURNACE, F-799, B-120
396	#60 ANNEALING FURN F-800, B-120
397	#76 CAR BOTTOM FURNACE, F-801, B-120
398	CAR BOTTOM FURNACE F-802, B-120

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.**# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

For the furnaces F-796, F-799, F-800, F-801 and F-802, the permittee shall maintain a permanently bound log book or other method approved by the Department. This log shall contain, at a minimum, the following information:

- The date of the tuning procedure
- The name of the service company and technicians
- Any other information required by this permit

002 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall maintain records of the monthly fuel usage of the sources.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall perform an annual adjustment and/or tune-up on the above sources.

- The annual adjustment and/or tune-up shall include the following:

**SECTION E. Source Group Restrictions.**

1. Inspection, adjustment, cleaning or replacement of fuel-burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer.
2. Inspection of the flame pattern or characteristics and adjustments necessary to minimize emissions of NO_x and to the extent practicable minimize emissions of CO.
3. Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: SG09 FURNACES (<20MMBTU)

Group Description: Heating Furnaces(< 20mmbtu)

Sources included in this group

ID	Name
111A	AIR MAKE UP BLDG 154
221A	COIL DRYING FURNACE B-154
223	#83 ANNEAL FURN F-332,B48
293	3000T #9 BATCH FURNACE F-724 B-78
296A	BATCH REHEAT F-916; B78
392	#63 ANNEAL FURNACE, F-797, B-78
393	#64 ANNEAL FURNACE, F-798, B-78
602	BALL TRACK ANNEAL FURN F-557-B-105

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

The permittee shall not permit the emission to the atmosphere of particulate matter from the source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]**General**

The permittee may not permit the emission into the outdoor atmosphere of sulfur dioxide from a source in a manner that the concentration of sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

003 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa Code Section 129.91]

RACT for these sources are as follows:

- a. [MOVED TO SG23]
- b. The 3000T #9 Batch Furnace (293)(F-724; B78) shall be limited to the following:
 1. 25 million cubic feet of natural gas during any consecutive 12-month period,
 2. Particulate- 0.10 ton during any consecutive 12-month period
 3. Sulfur Dioxide- 0.01 ton during any consecutive 12-month period
 4. Nitrogen Oxide- 1.26 tons during any consecutive 12-month period
 5. Carbon Monoxide- 1.05 ton during any consecutive 12-month period
 6. VOC- 0.07 ton during any consecutive 12-month period
- c. The emissions of NO_x from the following sources shall not exceed the following:
 1. #83 Annealing Furnace (223)(F-332; B-48) to 1.4 tons during any consecutive 12-month period,
 2. Ball Track Annealing Furnace (602)(F-557; B-105) to 1.5 tons during any consecutive 12-month period,
 3. #63 (VIM) Annealing Furnace (392)(F-797; B-78) to 1.4 ton during any consecutive 12-month period,
 4. #64 (VIM) Annealing Furnace (393)(F-798; B-78) to 1.4 ton during any consecutive 12-month period,

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

**SECTION E. Source Group Restrictions.****III. MONITORING REQUIREMENTS.**

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain a list of all sources in this source group, their location, fuel and heat input rating. The list shall be updated quarterly and made available to the Department upon request. The permittee shall notify the Department of any new sources that increase the emissions of NOx or VOC by more than 1 ton during any consecutive 12-month period, except for sources specifically exempted by 25 Pa. Code Section 127.14. Any new sources subject to the Department's Chapter 127 permitting requirements will be required to receive a Plan Approval before construction.

005 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall maintain records of the monthly fuel usage and NOx emissions of each source. The NOx emissions shall also be maintained as a 12-month rolling total.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: SG10 CLEANING LINES

Group Description: Cleaning Lines

Sources included in this group

ID	Name
105	BENCH SOUTH CLEANING LINE (CT#417)
107	STRIP CLEANING LINE 7 B-48B
108	ROD CLEANING LINE B-48B
400	BENCH NITRIC/HF TUBS NORTH B48

I. RESTRICTIONS.**Emission Restriction(s).**

001 [25 Pa. Code §123.13]

Processes

No person shall permit the emissions into the outdoor atmosphere of particulate matter from any of the sources in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this condition is derived from 25 Pa Code Section 129.91, RACT]

The various acid cleaning lines shall be operated in the following manners:

- In order to minimize emissions of NO_x, the permittee shall add urea or other oxidizers to each tank containing nitric or HF acid in Bench Cleaning Lines (105 & 400).
- The permittee shall exhaust each nitric acid tank to a wetted packed bed scrubber.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this condition is derived from 25 Pa Code Section 129.91, RACT]

**SECTION E. Source Group Restrictions.**

The permittee shall measure the pH of the scrubber water in the Bench Cleaning Lines (105) scrubbers at least twice per operating day.

004 [25 Pa. Code §127.441]
Operating permit terms and conditions.

[Additional authority for this condition is derived from 25 Pa Code Section 129.91, RACT]

The permittee shall provide equipment so that at the request of the Department the following can be measured on all of the scrubbers for the permitted sources:

- a. Pressure drop across the scrubber, utilizing a differential manometer, or equivalent;
- b. Water flow rate to the scrubber, utilizing a Rotameter, or equivalent.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: SG11A NNSR SOURCES #1

Group Description: Non-Attainment NSR Sources Round 1 (NOx)(1997)

Sources included in this group

ID	Name
047	#5 BOILER F-645, B-48 (JOHNSTON)
048	#3 BOILER F-572, B-48 (C-B)
049	#4 BOILER F-573, B-48 (C-B)
053	#1 BOILER F-657 B-122
054	#2 BOILER F-658 B-122
126	ELECTRIC ARC FURNACE A
128	ELECTRIC ARC FURNACE D
130	ELECTRIC ARC FURNACE E
140	ROTARY SLUDGE DRYER F751 B131
169	#1 AOD PREHTR F-531, B-89
177	ELECTRIC ARC FURNACE F
186	ROTARY FORGE FURN F-641; B-118
193	SCRAP CUT POWDER TORCH B-115
223	#83 ANNEAL FURN F-332,B48
389	# 3 HOMO HEAT FURNACE F-783, B-118
390	3000T #6B BATCH FURNACE F-784, B-78
391	3000T #8 BATCH FURNACE F-785 B-78
392	#63 ANNEAL FURNACE, F-797, B-78
393	#64 ANNEAL FURNACE, F-798, B-78
602	BALL TRACK ANNEAL FURN F-557-B-105

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

**SECTION E. Source Group Restrictions.****VII. ADDITIONAL REQUIREMENTS.****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority is derived from 25 Pa Code Section 127.201 (NSR)]

For the purpose of the December 1992 NSR review, the following were the NOx increments for the above sources during any consecutive 12-month period (as of December 5, 1996):

- a. Building 48 Boiler House [F-572 (048), F-573 (049) and F-645 (047)] - 19.47 tons
(This limit has been raised to 24.8 tons by Plan Approval No. 06-05007A with the inclusion of the Boiler F-863 (065) in the Boiler House 48. See Condition #004, SG00 Building 48 Boilers.)
- b. Scrap Cutting Powder Torch (193) - 0.03 ton
- c. Rotary Sludge Dryer (140)(F-751) - 2.55 tons
- d. Melt Shop - 100 tons
- e. No. 1 AOD Preheater (169)(F-531) - 0.6 ton
- f. Building 122 Boiler House [053(F-657) and 054 (F-658)] - 1.4 tons
(This level only is the amount the limit was raised by plan approval. The limit for the two boilers is 5.02 tons as found in Condition #004, SG01 Boilers.)
- g. Rotary Hearth Furnace (186)(F-641) - 12.83 tons
- h. No. 83 Annealing Furnace (223)(F-332) - 1.40 tons
- i. No. 3 Homo Heat Furnace (389)(F-783) - 2.8 tons
- j. Ball Track Furnace (602)(F-557) - 1.5 tons
- k. 3000T No. 6B Batch Furnace (390)(F-784) - 2.1 tons
- l. No. 8 Batch Furnace (391)(F-785) - 2.1 tons
- m. No. 63 Anneal Furnace (392)(F-797) - 0.85 tons (This limit has been raised to 1.4 tons by Plan Approval No. 06-05007H. See Condition #001 in Section D for Source 392 in this permit.)
- n. No. 64 Anneal Furnace (393)(F-798) - 0.85 tons (This limit has been raised to 1.4 tons by Plan Approval No. 06-05007H. See Condition #001 in Section D for Source 393 in this permit.)

Any increase in these NOx emission limits shall be included in the facility's de minimis emission increases since December 5, 1996.

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: SG11B NNSR SOURCES #2

Group Description: Non-Attainment NSR Sources Round 2 (NOx and VOC)(2007)

Sources included in this group

ID	Name
047	#5 BOILER F-645, B-48 (JOHNSTON)
048	#3 BOILER F-572, B-48 (C-B)
049	#4 BOILER F-573, B-48 (C-B)
053	#1 BOILER F-657 B-122
054	#2 BOILER F-658 B-122
065	STRIP MILL BOILER F-863 B-048(CT 723)
112	WET BELT GRINDING (STRIP MILL) B-48B
293	3000T #9 BATCH FURNACE F-724 B-78
385	MAKE-UP AIR UNITS
386	CU-MISC01 TIP HTRS, HOT BOX BURNERS
456	VARIOUS AUXILIARY UNITS BLDG 84
461	#5 ANNEALING FURNACE F-892 B-VIM
462	#6 ANNEALING FURNACE F-893 B-VIM
463	#7 ANNEALING FURNACE F-894 B-VIM
464	#8 ANNEALING FURNACE F-895 B-VIM
471	#7 BATCH HEATING FURNACE F-830 B-118
472	#8 BATCH HEAT FURNACE F-886 B-118
473	#9 BATCH HEATING FURNACE F-887 B-118
475	BATCH HEATING FURNACE F-888 B-78
476	BATCH HEATING FURNACE F-889 B-78
477	BATCH HEATING FURNACE F-890 B-78
478	BATCH HEATING FURNACE F-891 B-78
701	#6A REHEAT FURNACE F-806; B-78
702	#8B REHEAT FURNACE F-807; B-78
703	#4 HOMO REHEAT F-813; B-118
704	#5 HOMO BATCH REHEAT F-814; B-118
705	#6 HOMO REHEAT F-815; B-118
706	3000T #1 BATCH REHEAT F-816; B-78
707	3000T #3 BATCH REHEAT F-817; B-78
709	LAUNDER PREHEAT EAST
719	EBNER BELL ANNEALING FURNACE F-841,B-48B
771	F-794 LAUNDER PREHEAT WEST
779	#11 ANNEALING FURNACE F-846

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 PA Code Section 127.201, NNSR]

For the purpose of Non-attainment New Source Review (NNSR) review, the following is the net nitrogen oxides (NOx) emission increase to the facility's Potential-to-Emit (PTE) as a result of the sources listed above: 61.36 tons during any consecutive 12-month period. This net increase is the result of the construction of various new sources, the modification to

**SECTION E. Source Group Restrictions.**

various existing sources and the shutdown of various sources between December 5, 1995, and January 1, 2007, and/or were authorized by the Plan Approval No. 06-05007D.

002 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 PA Code Section 127.201, NNSR]

For the purpose of Non-attainment New Source Review (NNSR) review, the following is the net volatile organic compound (VOC) emission increase to the facility's Potential-to-Emit (PTE) as a result of the sources listed above: 41.33 tons during any consecutive 12-month period. This net increase is the result of the construction of the various new sources, the modification of various existing sources and the shutdown of various sources as of January 1, 2007, and /or were authorized by the Plan Approval No. 06-05007D.

003 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 PA Code Section 127.201, NNSR]

For the purpose of Non-attainment New Source Review (NNSR) review, the following is the net nitrogen oxides (NOx) emission increase to the facility's Potential-to-Emit (PTE) as a result of the sources listed above: 61.36 tons during any consecutive 12-month period. This net increase is the result of the construction of various new sources, the modification to various existing sources and the shutdown of various sources between December 5, 1995, and January 1, 2007, and/or were authorized by the Plan Approval No. 06-05007D.

004 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 PA Code Section 127.201, NNSR]

For the purpose of Non-attainment New Source Review (NNSR) review, the following is the net volatile organic compound (VOC) emission increase to the facility's Potential-to-Emit (PTE) as a result of the sources listed above: 41.33 tons during any consecutive 12-month period. This net increase is the result of the construction of the various new sources, the modification of various existing sources and the shutdown of various sources as of January 1, 2007, and /or were authorized by the Plan Approval No. 06-05007D.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

**SECTION E. Source Group Restrictions.****V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain proof of the purchase of the Emission Reduction Credits (ERC) for the listed sources.

006 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall maintain proof of the purchase of the Emission Reduction Credits (ERC) for the listed sources.

VII. ADDITIONAL REQUIREMENTS.**# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 PA Code Section 127.205, NNSR]

With the Plan Approvals No. 06-05007D and No. 06-05007E, the permittee has offset the facility's authorized net de minimis increases in actual annual NO_x emissions (61.36 tons) since December 5, 1995, through January 1, 2007, and/or authorized within this permit as required by 25 PA Code Section 127.205(3) by purchasing 71 tons of NO_x credits from Lehigh Valley Industrial Park, Inc. (former Bethlehem Steel Plant) in the City of Bethlehem, Northampton County.

008 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 PA Code 127.205, NNSR]

With the Plan Approvals No. 06-05007D and No. 06-05007E, the permittee has offset the facility's authorized net de minimis increases in actual annual VOC emissions (41.33 tons) since January 1 1991, through January 1, 2007, and/or authorized within this permit as required by 25 PA Code Section 127.205(3) with the purchase of 48 tons of VOC credits from Alcoa, Inc. (Alcoa Lebanon Works) in South Lebanon Township, Lebanon County.

009 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 PA Code Section 127.205, NNSR]

With the Plan Approvals No. 06-05007D and No. 06-05007E, the permittee has offset the facility's authorized net de minimis increases in actual annual NO_x emissions (61.36 tons) since December 5, 1995, through January 1, 2007, and/or authorized within this permit as required by 25 PA Code Section 127.205(3) by purchasing 71 tons of NO_x credits from Lehigh Valley Industrial Park, Inc. (former Bethlehem Steel Plant) in the City of Bethlehem, Northampton County.

010 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 PA Code 127.205, NNSR]

With the Plan Approvals No. 06-05007D and No. 06-05007E, the permittee has offset the facility's authorized net de minimis increases in actual annual VOC emissions (41.33 tons) since January 1 1991, through January 1, 2007, and/or

**SECTION E. Source Group Restrictions.**

authorized within this permit as required by 25 PA Code Section 127.205(3) with the purchase of 48 tons of VOC credits from Alcoa, Inc. (Alcoa Lebanon Works) in South Lebanon Township, Lebanon County.

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: SG12 FORGE PRESS

Group Description: Forge Press

Sources included in this group

ID	Name
728	4000T PRESS BATCH FURNACE F-848; B-78
729	4000 TON PRESS BATCH FURNACE F-849
730	4000 TON PRESS BATCH FURNACE F-850
731	4000 T PRESS BATCH FURNACE F-851
732	4000 TON PRESS BATCH FURNACE F-852
733	4000 T PRESS BATCH FURNACE F-853
734	4000 TON PRESS BATCH FURNACE F-854
736	4000 TON PRESS BATCH FURNACE F-856
777	4000 TON PRESS BATCH FURNACE F-860
778	4000 TON PRESS BATCH FURNACE F-861
790	4500T DIE HEATING SYS F-866, B-78

I. RESTRICTIONS.**Emission Restriction(s).**

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the total NOx emissions from the Press Forge Batch Furnaces: F-848 (728); F-849 (729); F-850 (730); F-851 (731); F-852 (732); F-853 (733); F-854 (734); F-856 (736); F-860 (777) & F-778 (778); and the 4500 ton Die Heating System (790) F-866 during any consecutive 12-month period to 16.41 tons.

Fuel Restriction(s).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall use only natural gas in the Press Forge Batch Furnaces: F-848 (728); F-849 (729); F-850 (730); F-851 (731); F-852 (732); F-853 (733); F-854 (734); F-856 (736); F-860 (777) & F-778 (778); and the 4500 ton Die Heating System (790) F-866.

Throughput Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the total fuel usage by the Press Forge Batch Furnaces: F-848 (728); F-849 (729); F-850 (730); F-851 (731); F-852 (732); F-853 (733); F-854 (734); F-856 (736); F-860 (777) & F-778 (778); and the 4500 ton Die Heating system (790) F-866 during any consecutive 12-month period to 285 million cubic feet of natural gas.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

**SECTION E. Source Group Restrictions.****III. MONITORING REQUIREMENTS.**

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain monthly and 12-month rolling total records of the following for each source or group of sources:

- a. Natural Gas Consumption
- b. Emissions of NO_x

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain the sources 728 (F-848), 729 (F-849), 730 (F-850), 731 (F-851), 732 (F-852), 733 (F-853), 734 (F-854), 736 (F-856), 777 (F-860), 778 (F-861) and 790 (F-866) in accordance with the manufacturer's specifications.

VII. ADDITIONAL REQUIREMENTS.**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The operation of the sources shall not result in visible emissions.

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: SG14 STRIP MILL

Group Description: Strip Mill Sources

Sources included in this group

ID	Name
385	MAKE-UP AIR UNITS
719	EBNER BELL ANNEALING FURNACE F-841,B-48B
720	HEAVY GAUGE VERTICAL FURNACE F-842 (B-48)
721	LT LINE #1 VERTICAL FURNACE F-843
722	LT LINE #2 VERTICAL FURNACE F-844
773	COIL BAKER OVEN N: F-839, B48B
774	COIL BAKER OVEN S: F-840, B48B

I. RESTRICTIONS.**Emission Restriction(s).**

001 [25 Pa. Code §123.13]

Processes

The permittee shall not permit the emission to the atmosphere of particulate matter from any source with a stack in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The operation of the sources shall not result in visible or malodorous emissions.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the total NO_x emissions from the source in the group listed below to 4.25 tons during any consecutive 12-month period.

Group: Sources 385 and 719 through 722.

Fuel Restriction(s).

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall only fire natural gas in the sources within this group.

**SECTION E. Source Group Restrictions.****Throughput Restriction(s).****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall limit the total fuel usage for the sources in the group listed below to 85.0 million cubic feet of natural gas during any consecutive 12-month period.

Group: Sources 385 and 719 through 722

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.**# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain the following records for the sources in this group:

- a. Total monthly fuel usage
- b. Total 12-month rolling fuel usage
- c. Total monthly NOx emissions
- d. Total 12-month NOx emissions

The records shall be maintained individually for the Sources 773 and 774; and as a group for Sources 385; and 719 through 722.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.**# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

To the extent that Source 385 is referenced in any conditions for this Source Group, such reference shall only be construed to refer to the six Source 385 units that are located in the Strip Mill.

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: SG15 EMERGENCY GEN

Group Description: Emergency Generators (New)

Sources included in this group

ID	Name
375	EMERGENCY GEN - COMPUTER CENTER
376	EMERGENCY GEN - VACUUM INDUCTION MELT DEPT
377	EMERGENCY GEN - ELECTROSLAG
378	EMERGENCY GEN - CLEANING LINES

I. RESTRICTIONS.**Emission Restriction(s).**

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the emissions from each unit to the following rates:

- Total Hydrocarbons - 1.0 grams per brake horsepower - hour
- Nitrogen Oxides (NOx) - 6.9 grams per brake horsepower - hour
- Carbon Monoxide (CO) - 2.0 grams per brake horsepower - hour
- Particulate - 0.4 grams per brake horsepower - hour

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the sulfur content of the diesel fuel used in the engines to 0.3 percent by weight.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the visible emissions from the engines' stacks to the following:

- Equal to or greater than 10 percent for a period or periods aggregating more than three (3) minutes in any one (1) hour; and
- Equal to or greater than 30 percent at any time.

Operation Hours Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the operation of each emergency generator to less than 500 hours during any consecutive 12-month period.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

**SECTION E. Source Group Restrictions.****III. MONITORING REQUIREMENTS.**

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain comprehensive accurate records, which, at a minimum, shall include:

- a. The number of hours per calendar month that each engine operated using a non-resettable hour meter.
- b. The amount of fuel used per calendar month in each engine.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall operate these units:

- a. In such a manner as not to cause air pollution;
- b. In a manner consistent with good operating and maintenance practices; and
- c. In accordance with the manufacturer's specifications and the applicable terms and conditions of this permit.

007 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The emergency generator shall only be used during electrical failures or to perform preventative maintenance. The emergency generator shall not be used to supplement the primary power supply to the facility.

VII. ADDITIONAL REQUIREMENTS.**# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The emission limitations stated in this source group shall apply at all times except during periods of start-up and shut-down, provided, however, that the duration of start-up and shut-down do not exceed one hour per occurrence.

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: SG16 SUBPART IIII

Group Description: 40 CFR 60 Subpart IIII

Sources included in this group

ID	Name
375	EMERGENCY GEN - COMPUTER CENTER
376	EMERGENCY GEN - VACUUM INDUCTION MELT DEPT
377	EMERGENCY GEN - ELECTROSLAG
378	EMERGENCY GEN - CLEANING LINES

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

**# 001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4200]
Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
Am I subject to this subpart?**

§ 60.4200 Am I subject to this subpart?

(a) The provisions of this subpart are applicable to manufacturers, owners, and operators of stationary compression ignition (CI) internal combustion engines (ICE) and other persons as specified in paragraphs (a)(1) through (4) of this section. For the purposes of this subpart, the date that construction commences is the date the engine is ordered by the owner or operator.

(a)(1) [NA - NOT AN ENGINE MANUFACTURER]

(a)(2) Owners and operators of stationary CI ICE that commence construction after July 11, 2005, where the stationary CI ICE are:

(a)(2)(i) Manufactured after April 1, 2006, and are not fire pump engines, or

(a)(2)(ii) [NA - NOT FIRE PUMP ENGINE]

**SECTION E. Source Group Restrictions.**

(a)(3) [NA - NOT MODIFIED OR RECONSTRUCTED]

(a)(4) The provisions of § 60.4208 of this subpart are applicable to all owners and operators of stationary CI ICE that commence construction after July 11, 2005.

(b) [NA – TEST CELL NOT INVOLVED]

(c) If you are an owner or operator of an area source subject to this subpart, you are exempt from the obligation to obtain a permit under 40 CFR part 70 or 40 CFR part 71, provided you are not required to obtain a permit under 40 CFR 70.3(a) or 40 CFR 71.3(a) for a reason other than your status as an area source under this subpart. Notwithstanding the previous sentence, you must continue to comply with the provisions of this subpart applicable to area sources.

(d) Stationary CI ICE may be eligible for exemption from the requirements of this subpart as described in 40 CFR part 1068, subpart C (or the exemptions described in 40 CFR part 89, subpart J and 40 CFR part 94, subpart J, for engines that would need to be certified to standards in those parts), except that owners and operators, as well as manufacturers, may be eligible to request an exemption for national security.

(e) [NA – NOT TEMPORARY REPLACEMENT UNIT(S)]

Emission Standards for Owners and Operators

§ 60.4204 [NA – UNIT(S) ARE EMERGENCY]

§ 60.4205 What emission standards must I meet for emergency engines if I am an owner or operator of a stationary CI internal combustion engine?

(a) [NA - ENGINE(S) ARE 2007 MODEL YEAR OR LATER]

(b) Owners and operators of 2007 model year and later emergency stationary CI ICE with a displacement of less than 30 liters per cylinder that are not fire pump engines must comply with the emission standards for new nonroad CI engines in § 60.4202, for all pollutants, for the same model year and maximum engine power for their 2007 model year and later emergency stationary CI ICE.

60.4202 REQUIREMENTS

60.4202(a) Stationary CI internal combustion engine manufacturers must certify their 2007 model year and later emergency stationary CI ICE with a maximum engine power less than or equal to 2,237 KW (3,000 HP) and a displacement of less than 10 liters per cylinder that are not fire pump engines to the emission standards specified in paragraphs (a)(1) through (2) of this section.

(a)(1) [NA - UNIT(S) > 50 HP]

(a)(2) For engines with a maximum engine power greater than or equal to 37 KW (50 HP), the certification emission standards for new nonroad CI engines for the same model year and maximum engine power in 40 CFR 89.112 and 40 CFR 89.113 for all pollutants beginning in model year 2007.

NOTE: ENGINES ARE EPA TIER 2 COMPLIANT.

FROM 89.113

(a) Exhaust opacity from compression-ignition nonroad engines for which this subpart is applicable must not exceed:

(a)(1) 20 percent during the acceleration mode;

(a)(2) 15 percent during the lugging mode; and

(a)(3) 50 percent during the peaks in either the acceleration or lugging modes.

END OF 60.4202 REQUIREMENTS

**SECTION E. Source Group Restrictions.**

(c) [NA - NOT FIRE PUMP ENGINES]

(d) [NA - UNIT(S) < 30 L/CYL]

(e) [NA - DOES NOT CONDUCT PERFORMANCE TESTS IN USE]

(f) [NA - NOT MODIFIED/RECONSTRUCTED]

§ 60.4206 How long must I meet the emission standards if I am an owner or operator of a stationary CI internal combustion engine?

Owners and operators of stationary CI ICE must operate and maintain stationary CI ICE that achieve the emission standards as required in §§ 60.4204 and 60.4205 over the entire life of the engine.

Fuel Requirements for Owners and Operators

§ 60.4207 What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject to this subpart?

(a) Beginning October 1, 2007, owners and operators of stationary CI ICE subject to this subpart that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(a).

[§80.510(a): All Nonroad, Locomotive and Marine (NRLM) diesel fuel is subject to the following per-gallon standards:

(1) Sulfur content: 500 parts per million (ppm) maximum.

(2) Cetane index or aromatic content, as follows:

(i) A minimum cetane index of 40; or

(ii) A maximum aromatic content of 35 volume percent.]

(b) Beginning October 1, 2010, owners and operators of stationary CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to October 1, 2010, may be used until depleted.

[§80.510(b): All Nonroad, (NR) diesel fuel is subject to the following per-gallon standards:

(1) Sulfur content.

(i) 15 ppm maximum for NR diesel fuel.

(2) Cetane index or aromatic content, as follows:

(i) A minimum cetane index of 40; or

(ii) A maximum aromatic content of 35 volume percent.]

(c) [Reserved]

(d) [NA - UNIT(S) < 30 L/CYL]

(e) [NA – NO NATIONAL SECURITY EXEMPTION]

Other Requirements for Owners and Operators

§ 60.4208 What is the deadline for importing or installing stationary CI ICE produced in previous model years?

(a) After December 31, 2008, owners and operators may not install stationary CI ICE (excluding fire pump engines) that do not meet the applicable requirements for 2007 model year engines.

(b) [NA - UNIT(S) > 25 HP AND NOT FIRE PUMP ENGINES]

**SECTION E. Source Group Restrictions.**

(c) - (g) [NA - UNIT(S) ARE EMERGENCY]

(h) [NA - IMPORTATION NOT RELEVANT IN THIS CASE]

(i) The requirements of this section do not apply to owners or operators of stationary CI ICE that have been modified, reconstructed, and do not apply to engines that were removed from one existing location and reinstalled at a new location.

§ 60.4209 What are the monitoring requirements if I am an owner or operator of a stationary CI internal combustion engine?

If you are an owner or operator, you must meet the monitoring requirements of this section. In addition, you must also meet the monitoring requirements specified in § 60.4211.

(a) If you are an owner or operator of an emergency stationary CI internal combustion engine that does not meet the standards applicable to non-emergency engines, you must install a non-resettable hour meter prior to startup of the engine.

(b) [NA - NO DIESEL PARTICULATE FILTERS]

Compliance Requirements

§ 60.4211 What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?

(a) If you are an owner or operator and must comply with the emission standards specified in this subpart, you must do all of the following, except as permitted under paragraph (g) of this section:

(a)(1) Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions;

(a)(2) Change only those emission-related settings that are permitted by the manufacturer; and

(a)(3) Meet the requirements of 40 CFR parts 89, 94 and/or 1068, as they apply to you.

(b) [NA - ENGINE(S) MANUFACTURED AFTER 2007]

(c) If you are an owner or operator of a 2007 model year and later stationary CI internal combustion engine and must comply with the emission standards specified in § 60.4204(b) or § 60.4205(b), or if you are an owner or operator of a CI fire pump engine that is manufactured during or after the model year that applies to your fire pump engine power rating in table 3 to this subpart and must comply with the emission standards specified in § 60.4205(c), you must comply by purchasing an engine certified to the emission standards in § 60.4204(b), or § 60.4205(b) or (c), as applicable, for the same model year and maximum (or in the case of fire pumps, NFPA nameplate) engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in paragraph (g) of this section.

(d) [NA - UNIT(S) NOT SUBJECT TO § 60.4204(c) or § 60.4205(d)]

(e) [NA - NOT MODIFIED/RECONSTRUCTED]

(f) If you own or operate an emergency stationary ICE, you must operate the emergency stationary ICE according to the requirements in paragraphs (f)(1) through (3) of this section. In order for the engine to be considered an emergency stationary ICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (f)(1) through (3) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1) through (3) of this section, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

**SECTION E. Source Group Restrictions.**

(f)(1) There is no time limit on the use of emergency stationary ICE in emergency situations.

(f)(2) You may operate your emergency stationary ICE for any combination of the purposes specified in paragraphs (f)(2)(i) through (iii) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (f)(3) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (f)(2).

(f)(2)(i) Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year.

(f)(2)(ii) [NA - WILL NOT BE USED FOR DEMAND RESPONSE]

(f)(2)(iii) [NA - WILL NOT BE USED FOR VOLTAGE OR FREQUENCY DEVIATION]

(f)(3) Emergency stationary ICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph (f)(2) of this section. Except as provided in paragraph (f)(3)(i) of this section, the 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(f)(3)(i) [NA - WILL NOT BE USED TO SUPPLY POWER AS PART OF FINANCIAL ARRANGEMENT]

(f)(3)(ii) [Reserved]

(g) If you do not install, configure, operate, and maintain your engine and control device according to the manufacturer's emission-related written instructions, or you change emission-related settings in a way that is not permitted by the manufacturer, you must demonstrate compliance as follows:

(g)(1) [NA - ENGINES GREATER THAN 100 HP]

(g)(2) [NA - ENGINES GREATER THAN 500 HP]

(g)(3) If you are an owner or operator of a stationary CI internal combustion engine greater than 500 HP, you must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, you must conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of startup, or within 1 year after an engine and control device is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 1 year after you change emission-related settings in a way that is not permitted by the manufacturer. You must conduct subsequent performance testing every 8,760 hours of engine operation or 3 years, whichever comes first, thereafter to demonstrate compliance with the applicable emission standards.

(h) The requirements for operators and prohibited acts specified in 40 CFR 1093.665 apply to owners and operators of stationary CI ICE equipped with AECs for qualified emergency situations as allowed by 40 CFR 1093.665.

Testing Requirements for Owners and Operators

§ 60.4212 [NA – TESTING NOT REQUIRED FOR CERTIFIED UNITS WHICH ARE NOT ALTERED PER 60.4211(g)]

§ 60.4213 [NA – DISPLACEMENT <30 L/CYL]

[71 FR 39172, July 11, 2006, as amended at 76 FR 37971, June 28, 2011]

**SECTION E. Source Group Restrictions.**

Notification, Reports, and Records for Owners and Operators

§ 60.4214 What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary CI internal combustion engine?

(a) [NA – UNIT(S) ARE EMERGENCY]

(b) If the stationary CI internal combustion engine is an emergency stationary internal combustion engine, the owner or operator is not required to submit an initial notification. Starting with the model years in table 5 to this subpart, if the emergency engine does not meet the standards applicable to non-emergency engines in the applicable model year, the owner or operator must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The owner must record the time of operation of the engine and the reason the engine was in operation during that time.

(c) [NA - NO DIESEL PARTICULATE FILTERS]

(d) [NA - ENGINES NOT USED FOR DEMAND RESPONSE OR VOLTAGE OR FREQUENCY DEVIATION OR TO SUPPLY POWER AS PART OF A FINANCIAL ARRANGEMENT]

(e) Owners or operators of stationary CI ICE equipped with AECDs pursuant to the requirements of 40 CFR 1093.665 must report AECDs as required by 40 CFR 1093.665(e).

General Provisions

§ 60.4218 What parts of the General Provisions apply to me?

Table 8 to this subpart shows which parts of the General Provisions in §§ 60.1 through 60.19 apply to you.

Regulatory Changes

Individual sources within this source group that are subject to 40 CFR Part 60 Subpart IIII shall comply with all applicable requirements of the Subpart. 40 CFR 60.4 requires submission of copies of all requests, reports and other communications to both the Department and the EPA.

The EPA copies shall be forwarded to:

Director
Air Protection Division (3AP00)
U.S. EPA Region III
1650 Arch Street
Philadelphia, PA 19103-2029

The DEP copies shall be forwarded to the DEP SCRO Air Quality Program Manager at wiweaver@pa.gov, unless otherwise directed in writing by DEP.

In the event that the Federal Subpart that is the subject of this Source Group is revised, the permittee shall comply with the revised version of the subpart, and shall not be required to comply with any provisions in this permit designated as having the subpart as their authority, to the extent that such permit provisions would be inconsistent with the applicable provisions of the revised subpart.

*** **Permit Shield in Effect.** ***

**SECTION E. Source Group Restrictions.**

Group Name: SG17

Group Description: B-78 Reheat Furnaces

Sources included in this group

ID	Name
708	REHEAT FURNACE F-940, B-78
718	REHEAT FURNACE F-941, B-78

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall limit the total emissions from the two reheat furnaces (Source IDs #708 and #718) to the following:

1. The total NO_x emissions from the two reheat furnaces shall not exceed the following during any consecutive 12-month period: 4.2 tons
2. The total VOC emissions from the two reheat furnaces shall not exceed the following during any consecutive 12-month period: 0.24 tons

(b) The total natural gas combusted during any consecutive 12-month period from the two furnaces shall not exceed 84.1 million cubic feet.

(c) The above furnaces shall be fired on natural gas only.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain all records in a method suitable to the Department. The records shall contain, at a minimum, the following information:

a. For each source:

1. The date of the tuning/inspection procedure
2. The name of the service company and technicians

b. The following total for both furnaces on a per month basis and a 12-month rolling total:

1. Amount of natural gas fired
2. Air emissions

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

**SECTION E. Source Group Restrictions.****VI. WORK PRACTICE REQUIREMENTS.****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall perform an annual adjustment/inspection and/or tune-up on each furnace including the following:

- a. Inspection, adjustment, cleaning or replacement of all fuel-burning equipment, including the burners, and any moving parts necessary for proper operation as specified by the manufacturer.
- b. Inspection of the flame pattern or characteristics and adjustments necessary to minimize the emissions of NO_x and to the extent practical minimize emissions of CO.
- c. Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: SG18

Group Description: 40 CFR 63 Subpart ZZZZ for Pre-2006 emergency generators

Sources included in this group

ID	Name
379A	EMERGENCY GENERATORS - VARIED LOC PRE-2006

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.**# 001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****Am I subject to this subpart?**

§ 63.6585 Am I subject to this subpart?

You are subject to this subpart if you own or operate a stationary RICE at a major or area source of HAP emissions, except if the stationary RICE is being tested at a stationary RICE test cell/stand.

(a) A stationary RICE is any internal combustion engine which uses reciprocating motion to convert heat energy into mechanical work and which is not mobile. Stationary RICE differ from mobile RICE in that a stationary RICE is not a non-road engine as defined at 40 CFR 1068.30, and is not used to propel a motor vehicle or a vehicle used solely for competition.

(b) A major source of HAP emissions is a plant site that emits or has the potential to emit any single HAP at a rate of 10 tons (9.07 megagrams) or more per year or any combination of HAP at a rate of 25 tons (22.68 megagrams) or more per year, except that for oil and gas production facilities, a major source of HAP emissions is determined for each surface site.

(c) [NA – FACILITY IS MAJOR FOR HAP]

(d) [NA – FACILITY IS MAJOR FOR HAP]

**SECTION E. Source Group Restrictions.**

(e) [NA – NATIONAL SECURITY EXEMPTION DOES NOT APPLY]

(f) [NA – NOT RESIDENTIAL/COMMERCIAL/INSTITUTIONAL]

[69 FR 33506, June 15, 2004, as amended at 73 FR 3603, Jan. 18, 2008; 78 FR 6700, Jan. 30, 2013]

§ 63.6590 What parts of my plant does this subpart cover?

This subpart applies to each affected source.

(a) Affected source. An affected source is any existing, new, or reconstructed stationary RICE located at a major or area source of HAP emissions, excluding stationary RICE being tested at a stationary RICE test cell/stand.

(1) Existing stationary RICE.

(i) [NA – ENGINE(S) <500 HP]

(ii) For stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, a stationary RICE is existing if you commenced construction or reconstruction of the stationary RICE before June 12, 2006.

(iii) [NA – FACILITY IS MAJOR FOR HAP]

(iv) A change in ownership of an existing stationary RICE does not make that stationary RICE a new or reconstructed stationary RICE.

(2) [NA – ENGINE(S) ARE EXISTING]

(3) [NA – ENGINE(S) ARE EXISTING]

(b) Stationary RICE subject to limited requirements.

(1) [NA – ENGINE(S) ARE EXISTING]

(2) [NA – ENGINE(S) ARE EXISTING]

(3) The following stationary RICE do not have to meet the requirements of this subpart and of subpart A of this part, including initial notification requirements:

(i) [NA – ENGINE(S) <500 HP]

(ii) [NA – ENGINE(S) <500 HP]

(iii) [NA – ENGINE(S) <500 HP]

(iv) [NA – ENGINE(S) <500 HP]

(v) [NA – ENGINE(S) <500 HP]

(c) [NA – ENGINE(S) ARE EXISTING]

[69 FR 33506, June 15, 2004, as amended at 73 FR 3604, Jan. 18, 2008; 75 FR 9674, Mar. 3, 2010; 75 FR 37733, June 30, 2010; 75 FR 51588, Aug. 20, 2010; 78 FR 6700, Jan. 30, 2013]

§ 63.6595 When do I have to comply with this subpart?

(a) Affected sources. (1) If you have an existing stationary RICE, excluding existing non-emergency CI stationary RICE, with a site rating of more than 500 brake HP located at a major source of HAP emissions, you must comply with the applicable emission limitations, operating limitations and other requirements no later than June 15, 2007. If you have an existing non-

**SECTION E. Source Group Restrictions.**

emergency CI stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, AN EXISTING STATIONARY CI RICE WITH A SITE RATING OF LESS THAN OR EQUAL TO 500 BRAKE HP LOCATED AT A MAJOR SOURCE OF HAP EMISSIONS, or an existing stationary CI RICE located at an area source of HAP emissions, you must comply with the applicable emission limitations, operating limitations, and other requirements no later than May 3, 2013. IF YOU HAVE AN EXISTING STATIONARY SI RICE WITH A SITE RATING OF LESS THAN OR EQUAL TO 500 BRAKE HP LOCATED AT A MAJOR SOURCE OF HAP EMISSIONS, or an existing stationary SI RICE located at an area source of HAP emissions, you must comply with the applicable emission limitations, operating limitations, and other requirements no later than October 19, 2013.

(2) [NA – ENGINE(S) ARE EXISTING]

(3) [NA – ENGINE(S) ARE EXISTING]

(4) [NA – ENGINE(S) ARE EXISTING]

(5) [NA – ENGINE(S) ARE EXISTING]

(6) [NA – ENGINE(S) ARE EXISTING]

(7) [NA – ENGINE(S) ARE EXISTING]

(b) [NA – FACILITY IS MAJOR FOR HAP]

(c) If you own or operate an affected source, you must meet the applicable notification requirements in § 63.6645 and in 40 CFR part 63, subpart A.

[69 FR 33506, June 15, 2004, as amended at 73 FR 3604, Jan. 18, 2008; 75 FR 9675, Mar. 3, 2010; 75 FR 51589, Aug. 20, 2010; 78 FR 6701, Jan. 30, 2013]

Emission and Operating Limitations

§ 63.6600 What emission limitations and operating limitations must I meet if I own or operate a stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions?

[NA – ENGINE(S) <500 HP]

§ 63.6601 What emission limitations must I meet if I own or operate a new or reconstructed 4SLB stationary RICE with a site rating of greater than or equal to 250 brake HP and less than or equal to 500 brake HP located at a major source of HAP emissions?

[NA – ENGINE(S) ARE EXISTING]

§ 63.6602 What emission limitations and other requirements must I meet if I own or operate an existing stationary RICE with a site rating of equal to or less than 500 brake HP located at a major source of HAP emissions?

If you own or operate an existing stationary RICE with a site rating of equal to or less than 500 brake HP located at a major source of HAP emissions, you must comply with the emission limitations and other requirements in Table 2c to this subpart which apply to you. Compliance with the numerical emission limitations established in this subpart is based on the results of testing the average of three 1-hour runs using the testing requirements and procedures in § 63.6620 and Table 4 to this subpart.

TABLE 2c REQUIREMENTS: Item 1 [NA - ENGINE(S) ARE SI RICE]

TABLE 2c REQUIREMENTS: Item 6

For each Emergency stationary SI RICE*, you must meet the following requirement, except during periods of startup:

**SECTION E. Source Group Restrictions.**

- a. Change oil and filter every 500 hours of operation or annually, whichever comes first.**
- b. Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary;
- c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.***

During periods of startup you must minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.***

* If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the work practice requirements on the schedule required in Table 2c of this subpart, or if performing the work practice on the required schedule would otherwise pose an unacceptable risk under federal, state, or local law, the work practice can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The work practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under federal, state, or local law has abated. Sources must report any failure to perform the work practice on the schedule required and the federal, state or local law under which the risk was deemed unacceptable.

** Sources have the option to utilize an oil analysis program as described in § 63.6625(i) or (j) in order to extend the specified oil change requirement in Table 2c of this subpart.

*** Sources can petition the Administrator pursuant to the requirements of 40 CFR 63.6(g) for alternative work practices.

[78 FR 6701, Jan. 30, 2013]

§ 63.6603 What emission limitations, operating limitations, and other requirements must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?

[NA – FACILITY IS MAJOR FOR HAP]

§ 63.6604 What fuel requirements must I meet if I own or operate a stationary CI RICE?

(a) [NA – ENGINE(S) ARE EMERGENCY]

(b) [NA - ENGINE(S) ARE SI RICE]

(c) [NA – ENGINE(S) ARE EXISTING]

(d) [NA – ENGINE(S) NOT IN SPECIFIED GEOGRAPHICAL AREAS]

[78 FR 6702, Jan. 30, 2013]

General Compliance Requirements

§ 63.6605 What are my general requirements for complying with this subpart?

(a) You must be in compliance with the emission limitations, operating limitations, and other requirements in this subpart that apply to you at all times.

(b) At all times you must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

[75 FR 9675, Mar. 3, 2010, as amended at 78 FR 6702, Jan. 30, 2013]

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Testing and Initial Compliance Requirements

§ 63.6610 By what date must I conduct the initial performance tests or other initial compliance demonstrations if I own or operate a stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions?

[NA – ENGINE(S) <500 HP]

§ 63.6611 By what date must I conduct the initial performance tests or other initial compliance demonstrations if I own or operate a new or reconstructed 4SLB SI stationary RICE with a site rating of greater than or equal to 250 and less than or equal to 500 brake HP located at a major source of HAP emissions?

[NA – ENGINE(S) ARE EXISTING]

§ 63.6612 By what date must I conduct the initial performance tests or other initial compliance demonstrations if I own or operate an existing stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions or an existing stationary RICE located at an area source of HAP emissions?

If you own or operate an existing stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions or an existing stationary RICE located at an area source of HAP emissions you are subject to the requirements of this section.

(a) You must conduct any initial performance test or other initial compliance demonstration according to Tables 4 and 5 to this subpart that apply to you within 180 days after the compliance date that is specified for your stationary RICE in § 63.6595 and according to the provisions in § 63.7(a)(2). [PER TABLES 4 AND 5, NO TESTING APPLIES TO EMERGENCY ENGINES]

(b) [PER TABLES 4 AND 5, NO TESTING APPLIES TO EMERGENCY ENGINES]

[75 FR 9676, Mar. 3, 2010, as amended at 75 FR 51589, Aug. 20, 2010]

§ 63.6615 When must I conduct subsequent performance tests?

If you must comply with the emission limitations and operating limitations, you must conduct subsequent performance tests as specified in Table 3 of this subpart. [PER TABLE 3, NO TESTING APPLIES TO EMERGENCY ENGINES]

§ 63.6620 What performance tests and other procedures must I use?

[PER TABLES 3 AND 4, NO TESTING APPLIES TO EMERGENCY ENGINES]

§ 63.6625 What are my monitoring, installation, collection, operation, and maintenance requirements?

(a) [NA – NO CEMS REQUIRED OR ELECTED]

(b) [NA – NO CPMS REQUIRED OR ELECTED]

(c) [NA – LFG NOT USED]

(d) [NA – ENGINE(S) ARE EXISTING]

(e) If you own or operate any of the following stationary RICE, you must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions:

(1) An existing stationary RICE with a site rating of less than 100 HP located at a major source of HAP emissions;

(2) An existing emergency or black start stationary RICE with a site rating of less than or equal to 500 HP located at a major

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source of HAP emissions;

(3) [NA – FACILITY IS MAJOR FOR HAP]

(4) [NA – FACILITY IS MAJOR FOR HAP]

(5) [NA – FACILITY IS MAJOR FOR HAP]

(6) [NA – FACILITY IS MAJOR FOR HAP]

(7) [NA – FACILITY IS MAJOR FOR HAP]

(8) [NA – FACILITY IS MAJOR FOR HAP]

(9) [NA – FACILITY IS MAJOR FOR HAP]

(10) [NA – FACILITY IS MAJOR FOR HAP]

(f) If you own or operate an existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions or an existing emergency stationary RICE located at an area source of HAP emissions, you must install a non-resettable hour meter if one is not already installed.

(g) [NA – ENGINE(S) ARE EMERGENCY]

(h) If you operate a new, reconstructed, or existing stationary engine, you must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in Tables 1a, 2a, 2c, and 2d to this subpart apply. [NOTE: ONLY TABLE 2c APPLIES]

(i) [NA - ENGINE(S) ARE SI RICE]

(j) If you own or operate a stationary SI engine that is subject to the work, operation or management practices in items 6, 7, or 8 of Table 2c to this subpart or in items 5, 6, 7, 9, or 11 of Table 2d to this subpart, you have the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

[69 FR 33506, June 15, 2004, as amended at 73 FR 3606, Jan. 18, 2008; 75 FR 9676, Mar. 3, 2010; 75 FR 51589, Aug. 20, 2010; 76 FR 12866, Mar. 9, 2011; 78 FR 6703, Jan. 30, 2013]

§ 63.6630 How do I demonstrate initial compliance with the emission limitations, operating limitations, and other requirements?

(a) [PER TABLE 5, NO TESTING APPLIES TO EMERGENCY ENGINES]

(b) [PER TABLE 5, NO TESTING APPLIES TO EMERGENCY ENGINES]

(c) You must submit the Notification of Compliance Status containing the results of the initial compliance demonstration

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according to the requirements in § 63.6645.

(d) [NA – ENGINE(S) ARE EMERGENCY]

(e) [NA – ENGINE(S) ARE EMERGENCY]

[69 FR 33506, June 15, 2004, as amended at 78 FR 6704, Jan. 30, 2013]

Continuous Compliance Requirements

§ 63.6635 How do I monitor and collect data to demonstrate continuous compliance?

[NA – NO EMISSION OR OPERATING LIMITATIONS]

§ 63.6640 How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?

(a) You must demonstrate continuous compliance with each emission limitation, operating limitation, and other requirements in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d to this subpart that apply to you [NOTE: ONLY TABLE 2c APPLIES] according to methods specified in Table 6 to this subpart.

TABLE 6 REQUIREMENTS: Item 9

For each existing emergency and black start stationary RICE ≤ 500 HP located at a major source of HAP, complying with the requirement to “Work or Management practices”, you must demonstrate continuous compliance by:

- i. Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or
- ii. Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

END OF TABLE 6 REQUIREMENTS

(b) [NA – NO EMISSION OR OPERATING LIMITATIONS]

(c) [NA – FACILITY IS MAJOR FOR HAP]

(d) [NA – ENGINE(S) ARE EXISTING]

(e) You must also report each instance in which you did not meet the requirements in Table 8 to this subpart that apply to you. If you own or operate a new or reconstructed stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions (except new or reconstructed 4SLB engines greater than or equal to 250 and less than or equal to 500 brake HP), a new or reconstructed stationary RICE located at an area source of HAP emissions, or any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with the requirements in Table 8 to this subpart: An existing 2SLB stationary RICE, an existing 4SLB stationary RICE, an existing emergency stationary RICE, an existing limited use stationary RICE, or an existing stationary RICE which fires landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis. If you own or operate any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with the requirements in Table 8 to this subpart, except for the initial notification requirements: a new or reconstructed stationary RICE that combusts landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, a new or reconstructed emergency stationary RICE, or a new or reconstructed limited use stationary RICE.

(f) If you own or operate an emergency stationary RICE, you must operate the emergency stationary RICE according to the requirements in paragraphs (f)(1) through (4) of this section. In order for the engine to be considered an emergency stationary RICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency

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demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (f)(1) through (4) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1) through (4) of this section, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

(1) There is no time limit on the use of emergency stationary RICE in emergency situations.

(2) You may operate your emergency stationary RICE for any combination of the purposes specified in paragraphs (f)(2)(i) through (iii) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraphs (f)(3) and (4) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (f)(2).

(i) Emergency stationary RICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year.

(ii) Emergency stationary RICE may be operated for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergencies (incorporated by reference, see § 63.14), or other authorized entity as determined by the Reliability Coordinator, has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP-002-3.

(iii) Emergency stationary RICE may be operated for periods where there is a deviation of voltage or frequency of 5 percent or greater below standard voltage or frequency.

(3) Emergency stationary RICE located at major sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph (f)(2) of this section. The 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(4) Emergency stationary RICE located at area sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph (f)(2) of this section. Except as provided in paragraphs (f)(4)(i) and (ii) of this section, the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(i) Prior to May 3, 2014, the 50 hours per year for non-emergency situations can be used for peak shaving or non-emergency demand response to generate income for a facility, or to otherwise supply power as part of a financial arrangement with another entity if the engine is operated as part of a peak shaving (load management program) with the local distribution system operator and the power is provided only to the facility itself or to support the local distribution system.

(ii) The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met:

(A) The engine is dispatched by the local balancing authority or local transmission and distribution system operator.

(B) The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region.

(C) The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines.

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(D) The power is provided only to the facility itself or to support the local transmission and distribution system.

(E) The owner or operator identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for dispatching the engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the engine owner or operator.

[69 FR 33506, June 15, 2004, as amended at 71 FR 20467, Apr. 20, 2006; 73 FR 3606, Jan. 18, 2008; 75 FR 9676, Mar. 3, 2010; 75 FR 51591, Aug. 20, 2010; 78 FR 6704, Jan. 30, 2013]

Notifications, Reports, and Records

§ 63.6645 What notifications must I submit and when?

(a) You must submit all of the notifications in §§ 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), and (g) and (h) that apply to you by the dates specified if you own or operate any of the following;

(1) An existing stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions.

(2) [NA – FACILITY IS MAJOR FOR HAP]

(3) [NA – ENGINE(S) <500 HP]

(4) [NA – ENGINE(S) ARE EXISTING]

(5) THIS REQUIREMENT DOES NOT APPLY IF YOU OWN OR OPERATE an existing stationary RICE less than 100 HP, AN EXISTING STATIONARY EMERGENCY RICE, or an existing stationary RICE that is not subject to any numerical emission standards.

(b) [NA – PER (a)(5)]

(c) [NA – PER (a)(5)]

(d) [NA – PER (a)(5)]

(e) [NA – PER (a)(5)]

(f) [NA – PER (a)(5)]

(g) [NA – NO TESTING REQUIRED]

(h) [NA – NO TESTING REQUIRED]

(i) [NA – FACILITY IS MAJOR FOR HAP]

[73 FR 3606, Jan. 18, 2008, as amended at 75 FR 9677, Mar. 3, 2010; 75 FR 51591, Aug. 20, 2010; 78 FR 6705, Jan. 30, 2013]

§ 63.6650 What reports must I submit and when?

(a) You must submit each report in Table 7 of this subpart that applies to you.

TABLE 7 REQUIREMENTS: Item 4

[NA - NO EMERGENCY GENERATOR IS CONTRACTUALLY OBLIGATED FOR DEMAND RESPONSE OR PEAK SHAVING]

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END OF TABLE 7 REQUIREMENTS

(b) Unless the Administrator has approved a different schedule for submission of reports under § 63.10(a), you must submit each report by the date in Table 7 of this subpart and according to the requirements in paragraphs (b)(1) through (b)(9) of this section.

(1) [NA – REQUIRED REPORT IS ANNUAL]

(2) [NA – REQUIRED REPORT IS ANNUAL]

(3) [NA – REQUIRED REPORT IS ANNUAL]

(4) [NA – REQUIRED REPORT IS ANNUAL]

(5) [NA – REQUIRED REPORT IS ANNUAL]

(6) For annual Compliance reports, the first Compliance report must cover the period beginning on the compliance date that is specified for your affected source in § 63.6595 and ending on December 31.

(7) For annual Compliance reports, the first Compliance report must be postmarked or delivered no later than January 31 following the end of the first calendar year after the compliance date that is specified for your affected source in § 63.6595.

(8) For annual Compliance reports, each subsequent Compliance report must cover the annual reporting period from January 1 through December 31.

(9) For annual Compliance reports, each subsequent Compliance report must be postmarked or delivered no later than January 31.

(c) The Compliance report must contain the information in paragraphs (c)(1) through (6) of this section.

(1) Company name and address.

(2) Statement by a responsible official, with that official's name, title, and signature, certifying the accuracy of the content of the report.

(3) Date of report and beginning and ending dates of the reporting period.

(4) [NA – NO EMISSION OR OPERATING LIMITATIONS]

(5) [NA – NO EMISSION OR OPERATING LIMITATIONS]

(6) [NA – NO EMISSION OR OPERATING LIMITATIONS]

(d) [NA – NO EMISSION OR OPERATING LIMITATIONS]

(e) [NA – NO EMISSION OR OPERATING LIMITATIONS]

(f) [NA – NO EMISSION OR OPERATING LIMITATIONS]

(g) [NA – ENGINE(S) ARE EXISTING]

(h) [NA - NO EMERGENCY GENERATOR IS CONTRACTUALLY OBLIGATED FOR DEMAND RESPONSE OR PEAK SHAVING]

[69 FR 33506, June 15, 2004, as amended at 75 FR 9677, Mar. 3, 2010; 78 FR 6705, Jan. 30, 2013]

§ 63.6655 What records must I keep?

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(a) If you must comply with the emission and operating limitations, you must keep the records described in paragraphs (a)(1) through (a)(5), (b)(1) through (b)(3) and (c) of this section.

(1) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, according to the requirement in § 63.10(b)(2)(xiv).

(2) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.

(3) [NA – NO TESTING REQUIRED]

(4) [NA – NO EMISSION OR OPERATING LIMITATIONS]

(5) Records of actions taken during periods of malfunction to minimize emissions in accordance with § 63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

(b) [NA – NO EMISSION OR OPERATING LIMITATIONS]

(c) [NA – ENGINE(S) ARE EXISTING]

(d) You must keep the records required in Table 6 of this subpart to show continuous compliance with each emission or operating limitation that applies to you.

(e) You must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE and after-treatment control device (if any) according to your own maintenance plan if you own or operate any of the following stationary RICE;

(1) An existing stationary RICE with a site rating of less than 100 brake HP located at a major source of HAP emissions.

(2) An existing stationary emergency RICE.

(3) [NA – FACILITY IS MAJOR FOR HAP]

(f) If you own or operate any of the stationary RICE in paragraphs (f)(1) through (2) of this section, you must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engine is used for the purposes specified in § 63.6640(f)(2)(ii) or (iii) or § 63.6640(f)(4)(ii), the owner or operator must keep records of the notification of the emergency situation, and the date, start time, and end time of engine operation for these purposes.

(1) An existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions that does not meet the standards applicable to non-emergency engines.

(2) [NA – FACILITY IS MAJOR FOR HAP]

[69 FR 33506, June 15, 2004, as amended at 75 FR 9678, Mar. 3, 2010; 75 FR 51592, Aug. 20, 2010; 78 FR 6706, Jan. 30, 2013]

§ 63.6660 In what form and how long must I keep my records?

(a) Your records must be in a form suitable and readily available for expeditious review according to § 63.10(b)(1).

(b) As specified in § 63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

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(c) You must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to § 63.10(b)(1).

[69 FR 33506, June 15, 2004, as amended at 75 FR 9678, Mar. 3, 2010]

Other Requirements and Information

§ 63.6665 What parts of the General Provisions apply to me?

Table 8 to this subpart shows which parts of the General Provisions in §§ 63.1 through 63.15 apply to you. If you own or operate a new or reconstructed stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions (except new or reconstructed 4SLB engines greater than or equal to 250 and less than or equal to 500 brake HP), a new or reconstructed stationary RICE located at an area source of HAP emissions, or any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with any of the requirements of the General Provisions specified in Table 8: An existing 2SLB stationary RICE, an existing 4SLB stationary RICE, an existing stationary RICE that combusts landfill or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, an existing emergency stationary RICE, or an existing limited use stationary RICE. If you own or operate any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with the requirements in the General Provisions specified in Table 8 except for the initial notification requirements: A new stationary RICE that combusts landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, a new emergency stationary RICE, or a new limited use stationary RICE.

[75 FR 9678, Mar. 3, 2010]

002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

Am I subject to this subpart?

Individual sources within this source group that are subject to 40 CFR Part 63 Subpart ZZZZ -National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines shall comply with all applicable requirements of the Subpart. 40 CFR 63.13(a) requires submission of copies of all requests, reports and other communications to both the Department and the EPA.

The EPA copies shall be forwarded to:

Director
Air Protection Division (3AP00)
U.S. EPA Region III
1650 Arch Street
Philadelphia, PA 19103-2029

The DEP copies shall be forwarded to the DEP SCRO Air Quality Program Manager at wiweaver@pa.gov, unless otherwise directed in writing by DEP.

In the event that the Federal Subpart that is the subject of this Source Group is revised, the permittee shall comply with the revised version of the subpart, and shall not be required to comply with any provisions in this permit designated as having the subpart as their authority, to the extent that such permit provisions would be inconsistent with the applicable provisions of the revised subpart.

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: SG18A

Group Description: 40 CFR 63 Subpart ZZZZ for Pre-2006 non-emergency generators

Sources included in this group

ID	Name
379	NON-EMERGENCY GENERATORS - VARIED LOC PRE-2006

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.**# 001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****Am I subject to this subpart?**

§ 63.6585 Am I subject to this subpart?

You are subject to this subpart if you own or operate a stationary RICE at a major or area source of HAP emissions, except if the stationary RICE is being tested at a stationary RICE test cell/stand.

(a) A stationary RICE is any internal combustion engine which uses reciprocating motion to convert heat energy into mechanical work and which is not mobile. Stationary RICE differ from mobile RICE in that a stationary RICE is not a non-road engine as defined at 40 CFR 1068.30, and is not used to propel a motor vehicle or a vehicle used solely for competition.

(b) A major source of HAP emissions is a plant site that emits or has the potential to emit any single HAP at a rate of 10 tons (9.07 megagrams) or more per year or any combination of HAP at a rate of 25 tons (22.68 megagrams) or more per year, except that for oil and gas production facilities, a major source of HAP emissions is determined for each surface site.

(c) [NA – FACILITY IS MAJOR FOR HAP]

(d) If you are an owner or operator of an area source subject to this subpart, your status as an entity subject to a standard or

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other requirements under this subpart does not subject you to the obligation to obtain a permit under 40 CFR part 70 or 71, provided you are not required to obtain a permit under 40 CFR 70.3(a) or 40 CFR 71.3(a) for a reason other than your status as an area source under this subpart. Notwithstanding the previous sentence, you must continue to comply with the provisions of this subpart as applicable.

(e) [NA – NOT USED FOR NATIONAL SECURITY PURPOSES]

(f) [NA – RICE NOT RESIDENTIAL, COMMERCIAL OR INSTITUTIONAL]

[69 FR 33506, June 15, 2004, as amended at 73 FR 3603, Jan. 18, 2008; 78 FR 6700, Jan. 30, 2013]

§ 63.6590 What parts of my plant does this subpart cover?

This subpart applies to each affected source.

(a) Affected source. An affected source is any existing, new, or reconstructed stationary RICE located at a major or area source of HAP emissions, excluding stationary RICE being tested at a stationary RICE test cell/stand.

(1) Existing stationary RICE.

(i) [NA – UNIT(S) < 500 HP]

(ii) For stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, a stationary RICE is existing if you commenced construction or reconstruction of the stationary RICE before June 12, 2006.

(iii) [NA – FACILITY IS MAJOR FOR HAP]

(iv) A change in ownership of an existing stationary RICE does not make that stationary RICE a new or reconstructed stationary RICE.

(2) [NA - UNIT(S) ARE EXISTING]

(3) [NA – NOT A RECONSTRUCTED SOURCE]

(b) Stationary RICE subject to limited requirements.

(1) An affected source which meets either of the criteria in paragraphs (b)(1)(i) through (ii) of this section does not have to meet the requirements of this subpart and of subpart A of this part except for the initial notification requirements of § 63.6645(f).

(i)-(ii) [NA – UNIT(S) < 500 HP]

(2) [NA – UNIT(S) < 500 HP]

(3) The following stationary RICE do not have to meet the requirements of this subpart and of subpart A of this part, including initial notification requirements:

(i)-(v) [NA – UNIT(S) < 500 HP]

(c) [NA – NOT SUBJECT TO SUBPARTS IIII OR JJJJ]

[69 FR 33506, June 15, 2004, as amended at 73 FR 3604, Jan. 18, 2008; 75 FR 9674, Mar. 3, 2010; 75 FR 37733, June 30, 2010; 75 FR 51588, Aug. 20, 2010; 78 FR 6700, Jan. 30, 2013]

§ 63.6595 When do I have to comply with this subpart?

(a) Affected sources. (1) If you have an existing stationary RICE, excluding existing non-emergency CI stationary RICE, with a

**SECTION E. Source Group Restrictions.**

site rating of more than 500 brake HP located at a major source of HAP emissions, you must comply with the applicable emission limitations, operating limitations and other requirements no later than June 15, 2007. If you have an existing non-emergency CI stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, an existing stationary CI RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, or an existing stationary CI RICE located at an area source of HAP emissions, you must comply with the applicable emission limitations, operating limitations, and other requirements no later than May 3, 2013. **IF YOU HAVE AN EXISTING STATIONARY SI RICE WITH A SITE RATING OF LESS THAN OR EQUAL TO 500 BRAKE HP LOCATED AT A MAJOR SOURCE OF HAP EMISSIONS, or an existing stationary SI RICE located at an area source of HAP emissions, YOU MUST COMPLY WITH THE APPLICABLE EMISSION LIMITATIONS, OPERATING LIMITATIONS, AND OTHER REQUIREMENTS NO LATER THAN OCTOBER 19, 2013.**

(2)-(3) [NA – UNIT(S) < 500 HP AND ARE EXISTING]

(4)-(5) [NA – UNIT(S) ARE EXISTING]

(6)-(7) [NA – FACILITY IS MAJOR FOR HAP]

(b) [NA – FACILITY IS MAJOR FOR HAP]

(c) If you own or operate an affected source, you must meet the applicable notification requirements in § 63.6645 and in 40 CFR part 63, subpart A.

[69 FR 33506, June 15, 2004, as amended at 73 FR 3604, Jan. 18, 2008; 75 FR 9675, Mar. 3, 2010; 75 FR 51589, Aug. 20, 2010; 78 FR 6701, Jan. 30, 2013]

Emission and Operating Limitations

§ 63.6600 What emission limitations and operating limitations must I meet if I own or operate a stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions?

[NA – UNIT(S) < 500 HP]

§ 63.6601 What emission limitations must I meet if I own or operate a new or reconstructed 4SLB stationary RICE with a site rating of greater than or equal to 250 brake HP and less than or equal to 500 brake HP located at a major source of HAP emissions?

[NA – UNIT(S) < 250 HP AND ARE EXISTING]

§ 63.6602 What emission limitations and other requirements must I meet if I own or operate an existing stationary RICE with a site rating of equal to or less than 500 brake HP located at a major source of HAP emissions?

[NA – UNIT(S) < 500 HP]

§ 63.6603 What emission limitations, operating limitations, and other requirements must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?

[NA – FACILITY IS MAJOR FOR HAP]

§ 63.6604 What fuel requirements must I meet if I own or operate a stationary CI RICE?

(a) [NA – < 300 HP]

(b) [NA - NOT EMERGENCY UNIT(S)]

(c) [NA – UNIT(S) < 500 HP AND ARE EXISTING]

(d) [NA – SOURCE(S) DO NOT MEET SPECIFIED GEOGRAPHY]

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[78 FR 6702, Jan. 30, 2013]

General Compliance Requirements

§ 63.6605 What are my general requirements for complying with this subpart?

(a) You must be in compliance with the emission limitations, operating limitations, and other requirements in this subpart that apply to you at all times.

(b) At all times you must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

[75 FR 9675, Mar. 3, 2010, as amended at 78 FR 6702, Jan. 30, 2013]

Testing and Initial Compliance Requirements

§ 63.6610 By what date must I conduct the initial performance tests or other initial compliance demonstrations if I own or operate a stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions?

[NA – UNIT(S) < 500 HP]

§ 63.6611 By what date must I conduct the initial performance tests or other initial compliance demonstrations if I own or operate a new or reconstructed 4SLB SI stationary RICE with a site rating of greater than or equal to 250 and less than or equal to 500 brake HP located at a major source of HAP emissions?

[NA – UNIT(S) < 250 HP AND ARE EXISTING]

§ 63.6612 By what date must I conduct the initial performance tests or other initial compliance demonstrations if I own or operate an existing stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions or an existing stationary RICE located at an area source of HAP emissions?

[NA – NO PERFORMANCE TESTING REQUIRED]

§ 63.6615 When must I conduct subsequent performance tests?

[NA – NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

§ 63.6620 What performance tests and other procedures must I use?

[NA – NO PERFORMANCE TESTING REQUIRED]

§ 63.6625 What are my monitoring, installation, collection, operation, and maintenance requirements?

(a) [NA – CEMS NOT REQUIRED]

(b) [NA – CPMS NOT REQUIRED]

(c) [NA – LFG NOT USED]

(d) [NA – UNIT(S) < 250 HP AND ARE EXISTING]

(e) If you own or operate any of the following stationary RICE, you must operate and maintain the stationary RICE and after-

**SECTION E. Source Group Restrictions.**

treatment control device (if any) according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions:

- (1) An existing stationary RICE with a site rating of less than 100 HP located at a major source of HAP emissions;
- (2)-(3) [NA – RICE IN THIS SOURCE GROUP ARE NOT EMERGENCY]
- (4)-(5) [NA – FACILITY IS MAJOR FOR HAP]
- (6) [NA – FACILITY IS MAJOR FOR HAP AND DOES NOT USE LANDFILL/DIGESTER GAS].
- (7)-(10) [NA – FACILITY IS MAJOR FOR HAP]
- (f) [NA – RICE IN THIS SOURCE GROUP ARE NOT EMERGENCY]
- (g) [NA – UNIT(S) < 300 HP]
- (h) If you operate a new, reconstructed, or existing stationary engine, you must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in Tables 1a, 2a, 2c, and 2d to this subpart apply.
- (i) [NA – RICE IN THIS SOURCE GROUP ARE COMPRESSION IGNITION]
- (j) If you own or operate a stationary SI engine that is subject to the work, operation or management practices in items 6, 7, or 8 of Table 2c to this subpart or in items 5, 6, 7, 9, or 11 of Table 2d to this subpart, you have the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

[69 FR 33506, June 15, 2004, as amended at 73 FR 3606, Jan. 18, 2008; 75 FR 9676, Mar. 3, 2010; 75 FR 51589, Aug. 20, 2010; 76 FR 12866, Mar. 9, 2011; 78 FR 6703, Jan. 30, 2013]

§ 63.6630 How do I demonstrate initial compliance with the emission limitations, operating limitations, and other requirements?

- (a) You must demonstrate initial compliance with each emission limitation, operating limitation, and other requirement that applies to you according to Table 5 of this subpart. [NA – NONE OF THE CATEGORIES IN TABLE 5 APPLY TO EXISTING NON-EMERGENCY SI ENGINES <100 HP AT MAJOR HAP SOURCES]
- (b) [NA – PERFORMANCE TESTING NOT REQUIRED]
- (c) [NA – NOCS NOT REQUIRED FOR EXISTING NON-EMERGENCY SI ENGINES <100 HP]
- (d) [NA – NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]
- (e) [NA – UNIT(S) < 500 HP AND ARE EXISTING]

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[69 FR 33506, June 15, 2004, as amended at 78 FR 6704, Jan. 30, 2013]

Continuous Compliance Requirements

§ 63.6635 How do I monitor and collect data to demonstrate continuous compliance?

[NA – NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

§ 63.6640 How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?

(a) You must demonstrate continuous compliance with each emission limitation, operating limitation, and other requirements in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d to this subpart that apply to you according to methods specified in Table 6 to this subpart.

TABLE 6 REQUIREMENTS

9. FOR EACH existing emergency and black start stationary RICE \leq 500 HP located at a major source of HAP, EXISTING NON-EMERGENCY STATIONARY RICE $<$ 100 HP LOCATED AT A MAJOR SOURCE OF HAP, existing emergency and black start stationary rice located at an area source of HAP, existing non-emergency stationary CI RICE \leq 300 HP located at an area source of hap, existing non-emergency 2SLB stationary RICE located at an area source of HAP, existing non-emergency stationary SI RICE located at an area source of HAP which combusts landfill or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, existing non-emergency 4SLB and 4SRB stationary RICE =500 HP located at an area source of HAP, existing non-emergency 4SLB and 4SRB stationary RICE $>$ 500 HP located at an area source of HAP that operate 24 hours or less per calendar year, and existing non-emergency 4SLB and 4SRB stationary RICE $>$ 500 HP located at an area source of HAP that are remote stationary RICE, complying with the requirement to "Work or Management practices", you must demonstrate continuous compliance by:

i. Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or

ii. Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

[END OF TABLE 6 REQUIREMENTS]

(b) [NA – NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

(c) [NA – ANNUAL COMPLIANCE DEMONSTRATION NOT REQUIRED]

(d) [NA – NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

(e) You must also report each instance in which you did not meet the requirements in Table 8 to this subpart that apply to you. If you own or operate a new or reconstructed stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions (except new or reconstructed 4SLB engines greater than or equal to 250 and less than or equal to 500 brake HP), a new or reconstructed stationary RICE located at an area source of HAP emissions, or any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with the requirements in Table 8 to this subpart: An existing 2SLB stationary RICE, an existing 4SLB stationary RICE, an existing emergency stationary RICE, an existing limited use stationary RICE, or an existing stationary RICE which fires landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis. If you own or operate any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with the requirements in Table 8 to this subpart, except for the initial notification requirements: a new or reconstructed stationary RICE that combusts landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, a new or reconstructed emergency stationary RICE, or a new or reconstructed limited use stationary RICE. [EXISTING NON-EMERGENCY CI ENGINES $<$ 100 HP AT MAJOR HAP SOURCES ARE NOT AMONG THOSE EXEMPTED FROM THIS SECTION]

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(f) [NA - NOT EMERGENCY UNIT(S)]

[69 FR 33506, June 15, 2004, as amended at 71 FR 20467, Apr. 20, 2006; 73 FR 3606, Jan. 18, 2008; 75 FR 9676, Mar. 3, 2010; 75 FR 51591, Aug. 20, 2010; 78 FR 6704, Jan. 30, 2013]

Notifications, Reports, and Records

§ 63.6645 What notifications must I submit and when?

(a) You must submit all of the notifications in §§ 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), and (g) and (h) that apply to you by the dates specified if you own or operate any of the following;

(1) An existing stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions.

(2) [NA – FACILITY IS MAJOR FOR HAP]

(3) [NA – UNIT(S) < 500 HP]

(4) [NA – UNIT(S) < 250 HP]

(5) This requirement does not apply if you own or operate an existing stationary RICE less than 100 HP, an existing stationary emergency RICE, or an existing stationary RICE that is not subject to any numerical emission standards.

(b) [NA – UNIT(S) < 500 HP]

(c) [NA – UNIT(S) < 500 HP]

(d) [NA – UNIT(S) < 100 HP (PER (a)(5))]

(e) [NA – UNIT(S) < 100 HP (PER (a)(5))]

(f) [NA - 63.6590(b) DOES NOT APPLY]

(g) [NA – NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

(h) [NA – NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

(i) [NA – AFFECTED UNITS ARE SI]

[73 FR 3606, Jan. 18, 2008, as amended at 75 FR 9677, Mar. 3, 2010; 75 FR 51591, Aug. 20, 2010; 78 FR 6705, Jan. 30, 2013]

§ 63.6650 What reports must I submit and when?

(a)-(c) [NO APPLICABLE TABLE 7 REQUIREMENTS]

(d) [NA – NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

(e) [NA – NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

(f) Each affected source that has obtained a title V operating permit pursuant to 40 CFR part 70 or 71 must report all deviations as defined in this subpart in the semiannual monitoring report required by 40 CFR 70.6 (a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A). If an affected source submits a Compliance report pursuant to Table 7 of this subpart along with, or as part of, the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), and the Compliance report includes all required information concerning deviations from any emission or operating limitation in this subpart, submission of the Compliance report shall be deemed to satisfy any obligation to report the same deviations in the

**SECTION E. Source Group Restrictions.**

semiannual monitoring report. However, submission of a Compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permit authority.

(g) [NA – LFG NOT USED]

(h) [NA - UNIT(S) NOT EMERGENCY]

[69 FR 33506, June 15, 2004, as amended at 75 FR 9677, Mar. 3, 2010; 78 FR 6705, Jan. 30, 2013]

§ 63.6655 What records must I keep?

(a) [NA – NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

(b) [NA – NO CEMS OR CPMS]

(c) [NA – LFG NOT USED]

(d) [NA – NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

(e) You must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE and after-treatment control device (if any) according to your own maintenance plan if you own or operate any of the following stationary RICE;

(1) An existing stationary RICE with a site rating of less than 100 brake HP located at a major source of HAP emissions.

(2) [NA - UNIT(S) NOT EMERGENCY]

(3) [NA – FACILITY IS MAJOR FOR HAP].

(f) [NA - UNIT(S) NOT EMERGENCY]

[69 FR 33506, June 15, 2004, as amended at 75 FR 9678, Mar. 3, 2010; 75 FR 51592, Aug. 20, 2010; 78 FR 6706, Jan. 30, 2013]

§ 63.6660 In what form and how long must I keep my records?

(a) Your records must be in a form suitable and readily available for expeditious review according to § 63.10(b)(1).

(b) As specified in § 63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

(c) You must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to § 63.10(b)(1).

[69 FR 33506, June 15, 2004, as amended at 75 FR 9678, Mar. 3, 2010]

Other Requirements and Information

§ 63.6665 What parts of the General Provisions apply to me?

Table 8 to this subpart shows which parts of the General Provisions in §§ 63.1 through 63.15 apply to you. If you own or operate a new or reconstructed stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions (except new or reconstructed 4SLB engines greater than or equal to 250 and less than or equal to 500 brake HP), a new or reconstructed stationary RICE located at an area source of HAP emissions, or any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with any of the requirements of the General Provisions specified in Table 8: An existing 2SLB stationary RICE, an existing 4SLB stationary RICE, an existing stationary RICE that combusts landfill or digester gas equivalent to 10 percent or

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more of the gross heat input on an annual basis, an existing emergency stationary RICE, or an existing limited use stationary RICE. If you own or operate any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with the requirements in the General Provisions specified in Table 8 except for the initial notification requirements: A new stationary RICE that combusts landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, a new emergency stationary RICE, or a new limited use stationary RICE. [EXISTING NON-EMERGENCY SI ENGINES <100 HP AT AREA HAP SOURCES ARE NOT AMONG THOSE EXEMPTED FROM THIS SECTION]

[75 FR 9678, Mar. 3, 2010]

Regulatory Changes:

Individual sources within this source group that are subject to 40 CFR Part 63 Subpart ZZZZ -National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines shall comply with all applicable requirements of the Subpart. 40 CFR 63.13(a) requires submission of copies of all requests, reports and other communications to both the Department and the EPA. The EPA copies shall be forwarded to:

Director
Air Protection Division (3AP00)
U.S. EPA Region III
1650 Arch Street
Philadelphia, PA 19103-2029

The DEP copies shall be forwarded to the DEP SCRO Air Quality Program Manager at wiweaver@pa.gov, unless otherwise directed in writing by DEP.

In the event that the Federal Subpart that is the subject of this Source Group is revised, the permittee shall comply with the revised version of the subpart, and shall not be required to comply with any provisions in this permit designated as having the subpart as their authority, to the extent that such permit provisions would be inconsistent with the applicable provisions of the revised subpart.

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: SG19

Group Description: 40 CFR 60 Subpart JJJJ for Post-2006 emergency generators

Sources included in this group

ID	Name
372	ROLLING MILL GENERATOR 1
379B	EMERGENCY GENERATORS - VARIOUS LOC POST-2006

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

**# 001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4230]
Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
Am I subject to this subpart?**

§ 60.4230 Am I subject to this subpart?

(a) The provisions of this subpart are applicable to manufacturers, owners, and operators of stationary spark ignition (SI) internal combustion engines (ICE) as specified in paragraphs (a)(1) through (6) of this section. For the purposes of this subpart, the date that construction commences is the date the engine is ordered by the owner or operator.

(a)(1) [NA - NOT AN ENGINE MANUFACTURER]

(a)(2) [NA - NOT AN ENGINE MANUFACTURER]

(a)(3) [NA - NOT AN ENGINE MANUFACTURER]

(a)(4) Owners and operators of stationary SI ICE that commence construction after June 12, 2006, where the stationary SI ICE are manufactured:

(a)(4)(i) [NA - UNIT(S) < 500 HP]

(a)(4)(ii) [NA - UNIT(S) < 500 HP]

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(a)(4)(iii) on or after July 1, 2008, for engines with a maximum engine power less than 500 HP; or

(a)(4)(iv) on or after January 1, 2009, for emergency engines with a maximum engine power greater than 19 KW (25 HP).

(a)(5) [NA - ENGINES NOT MODIFIED OR RECONSTRUCTED]

(a)(6) The provisions of § 60.4236 of this subpart are applicable to all owners and operators of stationary SI ICE that commence construction after June 12, 2006.

(b) [NA - ENGINE TEST CELL NOT RELEVANT HERE]

(c) If you are an owner or operator of an area source subject to this subpart, you are exempt from the obligation to obtain a permit under 40 CFR part 70 or 40 CFR part 71, provided you are not required to obtain a permit under 40 CFR 70.3(a) or 40 CFR 71.3(a) for a reason other than your status as an area source under this subpart. Notwithstanding the previous sentence, you must continue to comply with the provisions of this subpart as applicable.

(d) [NA - UNIT(S) NOT GASOLINE-FUELED]

(e) [NA - NO NATIONAL SECURITY EXEMPTION]

(f) [NA - NOT TEMPORARY REPLACEMENT UNITS]

[73 FR 3591, Jan. 18, 2008, as amended at 76 FR 37972, June 28, 2011]

Emission Standards for Owners and Operators

§ 60.4233 What emission standards must I meet if I am an owner or operator of a stationary SI internal combustion engine?

[NOTE: THIS SUBSECTION APPLIES TO BUILDING 118 ENGINE, 25 HP]

(a) Owners and operators of stationary SI ICE with a maximum engine power less than or equal to 19 KW (25 HP) manufactured on or after July 1, 2008, must comply with the emission standards in §60.4231(a) for their stationary SI ICE.

NOTE: Paragraph 60.4231(a) requires these engines to meet requirements for nonhandheld engines under 40 CFR 1054.

40 CFR 1054.105, TABLE 1 REQUIREMENTS:

Engine type: Emergency

Fuel: Natural Gas

Maximum engine power: HP = 25

Class II (nonhandheld =>225 cc)

Manufacture date: 2015

Emission standards:

NOx + HC (g/kW-hr): 8.0

CO (g/kW-hr): 610

END OF 40 CFR 1054.105, TABLE 1 REQUIREMENTS

(b) [NA - UNIT(S) DO NOT BURN GASOLINE]

(c) [NA - UNIT(S) DO NOT BURN LPG]

[NOTE: THIS SUBSECTION APPLIES TO BUILDING 078 ENGINE, 34 HP]

(d) Owners and operators of stationary SI ICE with a maximum engine power greater than 19 KW (25 HP) and less than 75 KW (100 HP) (except gasoline and rich burn engines that use LPG) must comply with the emission standards for field testing in 40 CFR 1048.101(c) for their non-emergency stationary SI ICE and with the emission standards in Table 1 to this subpart for their emergency stationary SI ICE. Owners and operators of stationary SI ICE with a maximum engine power

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greater than 19 KW (25 HP) and less than 75 KW (100 HP) manufactured prior to January 1, 2011, that were certified to the standards in Table 1 to this subpart applicable to engines with a maximum engine power greater than or equal to 100 HP and less than 500 HP, may optionally choose to meet those standards.

[EMISSION STANDARDS ARE LISTED ON CERTIFICATION SHEET FOR UNIT]

[The following applies to Source 372:]

Engine type: Emergency

Fuel: Natural Gas

Engine power: 25 < HP < 130

Emission standards:

NO_x + HC (g/HP-hr): 10.0

CO (g/HP-hr): 387

(e) [NA - UNIT(S) < 100 HP]

(f) [NA - UNIT(S) NOT MODIFIED OR RECONSTRUCTED]

(g) [NA - STATIONARY WELLHEAD GAS NOT USED]

(h) Owners and operators of stationary SI ICE that are required to meet standards that reference 40 CFR 1048.101 must, if testing their engines in use, meet the standards in that section applicable to field testing, except as indicated in paragraph (e) of this section.

[73 FR 3591, Jan. 18, 2008, as amended at 76 FR 37973, June 28, 2011]

§ 60.4234 How long must I meet the emission standards if I am an owner or operator of a stationary SI internal combustion engine?

Owners and operators of stationary SI ICE must operate and maintain stationary SI ICE that achieve the emission standards as required in § 60.4233 over the entire life of the engine.

Other Requirements for Owners and Operators

§ 60.4235 [NA - UNIT(S) DO NOT BURN GASOLINE]

§ 60.4236 What is the deadline for importing or installing stationary SI ICE produced in previous model years?

(a) After July 1, 2010, owners and operators may not install stationary SI ICE with a maximum engine power of less than 500 HP that do not meet the applicable requirements in § 60.4233.

(b) [NA - UNIT(S) < 500 HP]

(c) For emergency stationary SI ICE with a maximum engine power of greater than 19 KW (25 HP), owners and operators may not install engines that do not meet the applicable requirements in § 60.4233 after January 1, 2011.

(d) [NA - IMPORTATION NOT RELEVANT IN THIS CASE]

(e) The requirements of this section do not apply to owners and operators of stationary SI ICE that have been modified or reconstructed, and they do not apply to engines that were removed from one existing location and reinstalled at a new location.

§ 60.4237 What are the monitoring requirements if I am an owner or operator of an emergency stationary SI internal combustion engine?

(a) [NA - UNIT(S) < 500 HP]

(b) [NA - UNIT(S) < 130 HP]

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(c) If you are an owner or operator of an emergency stationary SI internal combustion engine that is less than 130 HP, was built on or after July 1, 2008, and does not meet the standards applicable to non-emergency engines, you must install a non-resettable hour meter upon startup of your emergency engine.

Compliance Requirements for Owners and Operators

§ 60.4243 What are my compliance requirements if I am an owner or operator of a stationary SI internal combustion engine?

(a) [THIS SECTION APPLIES, AS REFERENCED BACK FROM 60.4243(b)(1)] If you are an owner or operator of a stationary SI internal combustion engine that is manufactured after July 1, 2008, and must comply with the emission standards specified in § 60.4233(a) through (c), you must comply by purchasing an engine certified to the emission standards in § 60.4231(a) through (c), as applicable, for the same engine class and maximum engine power. In addition, you must meet one of the requirements specified in (a)(1) and (2) of this section.

NOTE: SEE SECTION H FOR EPA CERTIFICATION INFORMATION FOR THESE TWO UNITS

(a)(1) If you operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, you must keep records of conducted maintenance to demonstrate compliance, but no performance testing is required if you are an owner or operator. You must also meet the requirements as specified in 40 CFR part 1068, subparts A through D, as they apply to you. If you adjust engine settings according to and consistent with the manufacturer's instructions, your stationary SI internal combustion engine will not be considered out of compliance.

(a)(2) If you do not operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, your engine will be considered a non-certified engine, and you must demonstrate compliance according to (a)(2)(i) through (iii) of this section, as appropriate.

(a)(2)(i) If you are an owner or operator of a stationary SI internal combustion engine less than 100 HP, you must keep a maintenance plan and records of conducted maintenance to demonstrate compliance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions, but no performance testing is required if you are an owner or operator.

(a)(2)(ii) [NA - UNIT(S) < 100 HP]

(a)(2)(iii) [NA - UNIT(S) < 500 HP]

(b) If you are an owner or operator of a stationary SI internal combustion engine and must comply with the emission standards specified in § 60.4233(d) or (e), you must demonstrate compliance according to one of the methods specified in paragraphs (b)(1) and (2) of this section.

(b)(1) Purchasing an engine certified according to procedures specified in this subpart, for the same model year and demonstrating compliance according to one of the methods specified in paragraph (a) of this section.

(b)(2) [NA - CERTIFIED ENGINE(S) PURCHASED]

(c) [NA - UNIT(S) NOT MODIFIED OR RECONSTRUCTED]

(d) If you own or operate an emergency stationary ICE, you must operate the emergency stationary ICE according to the requirements in paragraphs (d)(1) through (3) of this section. In order for the engine to be considered an emergency stationary ICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (d)(1) through (3) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (d)(1) through (3) of this section, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

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(d)(1) There is no time limit on the use of emergency stationary ICE in emergency situations.

(d)(2) You may operate your emergency stationary ICE for any combination of the purposes specified in paragraphs (d)(2)(i) through (iii) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (d)(3) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (d)(2).

(d)(2)(i) Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year.

(d)(2)(ii) [NA - THESE ENGINES ARE NOT OPERATED FOR EMERGENCY DEMAND RESPONSE]

(d)(2)(iii) [NA - THESE ENGINES ARE NOT USED FOR VOLTAGE DEVIATION]

(d)(3) Emergency stationary ICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph (d)(2) of this section. Except as provided in paragraph (d)(3)(i) of this section, the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(d)(3)(i) [NA - THESE ENGINES ARE NOT USED TO SUPPLY POWER AS A PART OF A FINANCIAL ARRANGEMENT]

(d)(3)(ii) [Reserved]

(e) Owners and operators of stationary SI natural gas fired engines may operate their engines using propane for a maximum of 100 hours per year as an alternative fuel solely during emergency operations, but must keep records of such use. If propane is used for more than 100 hours per year in an engine that is not certified to the emission standards when using propane, the owners and operators are required to conduct a performance test to demonstrate compliance with the emission standards of § 60.4233.

(f) If you are an owner or operator of a stationary SI internal combustion engine that is less than or equal to 500 HP and you purchase a non-certified engine or you do not operate and maintain your certified stationary SI internal combustion engine and control device according to the manufacturer's written emission-related instructions, you are required to perform initial performance testing as indicated in this section, but you are not required to conduct subsequent performance testing unless the stationary engine is rebuilt or undergoes major repair or maintenance. A rebuilt stationary SI ICE means an engine that has been rebuilt as that term is defined in 40 CFR 94.11(a).

(g) [NA - CATALYSTS NOT EMPLOYED]

(h) [NA - UNIT(S) < 500 HP]

(i) [NA - UNIT(S) NOT MODIFIED OR RECONSTRUCTED]

[73 FR 3591, Jan. 18, 2008, as amended at 76 FR 37974, June 28, 2011; 78 FR 6697, Jan. 30, 2013]

Testing Requirements for Owners and Operators

§ 60.4244 [NA – TESTING NOT REQUIRED FOR CERTIFIED UNITS WHICH ARE NOT ALTERED PER 60.4243(f)]

Notification, Reports, and Records for Owners and Operators

§ 60.4245 What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary

**SECTION E. Source Group Restrictions.**

SI internal combustion engine?

Owners or operators of stationary SI ICE must meet the following notification, reporting and recordkeeping requirements.

(a) Owners and operators of all stationary SI ICE must keep records of the information in paragraphs (a)(1) through (4) of this section.

(a)(1) All notifications submitted to comply with this subpart and all documentation supporting any notification.

(a)(2) Maintenance conducted on the engine.

(a)(3) If the stationary SI internal combustion engine is a certified engine, documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR parts 90, 1048, 1054, and 1060, as applicable.

(a)(4) If the stationary SI internal combustion engine is not a certified engine or is a certified engine operating in a non-certified manner and subject to § 60.4243(a)(2), documentation that the engine meets the emission standards.

(b) For all stationary SI emergency ICE greater than or equal to 500 HP manufactured on or after July 1, 2010, that do not meet the standards applicable to non-emergency engines, the owner or operator of must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. For all stationary SI emergency ICE greater than or equal to 130 HP and less than 500 HP manufactured on or after July 1, 2011 that do not meet the standards applicable to non-emergency engines, the owner or operator of must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. For all stationary SI emergency ICE greater than 25 HP and less than 130 HP manufactured on or after July 1, 2008, that do not meet the standards applicable to non-emergency engines, the owner or operator of must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation.

(c) [NA - UNIT(S) < 500 HP]

(d) [NA – TESTING NOT REQUIRED FOR CERTIFIED UNITS WHICH ARE NOT ALTERED PER 60.4243(f)]

(e) [NA - UNIT(S) < 100 HP]

[73 FR 3591, Jan. 18, 2008, as amended at 73 FR 59177, Oct. 8, 2008; 78 FR 6697, Jan. 30, 2013]

General Provisions

§ 60.4246 What parts of the General Provisions apply to me?

Table 3 to this subpart shows which parts of the General Provisions in §§ 60.1 through 60.19 apply to you.

Regulatory Changes

Individual sources within this source group that are subject to 40 CFR Part 60 Subpart JJJJ shall comply with all applicable requirements of the Subpart. 40 CFR 63.13(a) requires submission of copies of all requests, reports and other communications to both the Department and the EPA.

The EPA copies shall be forwarded to:

Director
Air Protection Division (3AP00)
U.S. EPA Region III
1650 Arch Street
Philadelphia, PA 19103-2029

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The DEP copies shall be forwarded to the DEP SCRO Air Quality Program Manager at wiweaver@pa.gov, unless otherwise directed in writing by DEP.

In the event that the Federal Subpart that is the subject of this Source Group is revised, the permittee shall comply with the revised version of the subpart, and shall not be required to comply with any provisions in this permit designated as having the subpart as their authority, to the extent that such permit provisions would be inconsistent with the applicable provisions of the revised subpart.

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: SG20A

Group Description: 40 CFR 63 Subpart DDDDD for units less than 10 mmBtu/hr

Sources included in this group

ID	Name
041B	DDDDD UNITS <10 MMBTU/HR
235F	SALT BATH FURNACE B-154

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.**# 001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.13]****Subpart A--General Provisions****Addresses of State air pollution control agencies and EPA Regional Offices.**

Regulatory Changes

Individual sources within this source group that are subject to 40 CFR Part 63 Subpart DDDDD shall comply with all applicable requirements of the Subpart. 40 CFR 63.13(a) requires submission of copies of all requests, reports and other communications to both the Department and the EPA. The EPA copies shall be forwarded to:

Director
Air Protection Division (3AP00)
U.S. EPA Region III
1650 Arch Street
Philadelphia, PA 19103-2029

The DEP copies shall be forwarded to the DEP SCRO Air Quality Program Manager at wiveaver@pa.gov, unless otherwise directed in writing by DEP.

In the event that the Federal Subpart that is the subject of this Source Group is revised, the permittee shall comply with the revised version of the subpart, and shall not be required to comply with any provisions in this permit designated as having the subpart as their authority, to the extent that such permit provisions would be inconsistent with the applicable provisions of the revised subpart.

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

**SECTION E. Source Group Restrictions.****VII. ADDITIONAL REQUIREMENTS.****# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

In the event that the Federal Subpart that is the subject of this Source Group is revised, the permittee shall comply with the revised version of the subpart, and shall not be required to comply with any provisions in this permit designated as having the subpart as their authority, to the extent that such permit provisions would be inconsistent with the applicable provisions of the revised subpart.

003 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

In Section H, Miscellaneous, is a list of sources with heat input less than 10 mmBtu/hr at the Carpenter Technology Corporation facility that are currently subject to 40 CFR 63 Subpart DDDDD.

004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7485]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****Am I subject to this subpart?**

§63.7480 What is the purpose of this subpart?

This subpart establishes national emission limitations and work practice standards for hazardous air pollutants (HAP) emitted from industrial, commercial, and institutional boilers and process heaters located at major sources of HAP. This subpart also establishes requirements to demonstrate initial and continuous compliance with the emission limitations and work practice standards.

§63.7485 Am I subject to this subpart?

You are subject to this subpart if you own or operate an industrial, commercial, or institutional boiler or process heater as defined in §63.7575 that is located at, or is part of, a major source of HAP, except as specified in §63.7491. For purposes of this subpart, a major source of HAP is as defined in §63.2, except that for oil and natural gas production facilities, a major source of HAP is as defined in §63.7575.

[78 FR 7162, Nov. 20, 2015]

§63.7490 What is the affected source of this subpart?

(a) This subpart applies to new, reconstructed, and existing affected sources as described in paragraphs (a)(1) and (2) of this section.

(1) The affected source of this subpart is the collection at a major source of all existing industrial, commercial, and institutional boilers and process heaters within a subcategory as defined in §63.7575.

(2) The affected source of this subpart is each new or reconstructed industrial, commercial, or institutional boiler or process heater, as defined in §63.7575, located at a major source.

(b) A boiler or process heater is new if you commence construction of the boiler or process heater after June 4, 2010, and you meet the applicability criteria at the time you commence construction.

(c) A boiler or process heater is reconstructed if you meet the reconstruction criteria as defined in §63.2, you commence reconstruction after June 4, 2010, and you meet the applicability criteria at the time you commence reconstruction.

(d) A boiler or process heater is existing if it is not new or reconstructed.

(e) An existing electric utility steam generating unit (EGU) that meets the applicability requirements of this subpart after the effective date of this final rule due to a change (e.g., fuel switch) is considered to be an existing source under this subpart.

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7162, Nov. 20, 2015]

§63.7491 Are any boilers or process heaters not subject to this subpart?

**SECTION E. Source Group Restrictions.**

The types of boilers and process heaters listed in paragraphs (a) through (n) of this section are not subject to this subpart.
[NA – NO EXEMPTIONS APPLY]

(a) [NA – NOT SUBJECT TO 5U]

(b) [NA – NOT SUBJECT TO MM]

(c) [NA – NO R&D UNITS]

(d) [NA – NOT HOT WATER HEATERS]

(e) [NA – NO REFINING KETTLES]

(f) [NA – NOT SUBJECT TO YY]

(g) [NA – NO BLAST FURNACE STOVES]

(h) [NA – NO UNITS PART OF SOURCES SUBJECT TO OTHER PART 63 SUBPART, SUCH AS JJJ, OOO, PPP, U]

(i) [NA – NO UNITS USED AS CONTROL DEVICES]

(j) [NA – NO UNITS DEFINED AS TEMPORARY]

(k) [NA – NO UNITS FIRE BLAST FURNACE GAS]

(l) [NA – NO CAA SECTION 129 UNITS]

(m) [NA – NOT SUBJECT TO EEE]

(n) [NA – NO RESIDENTIAL BOILERS]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7162, Jan. 31, 2013; 80 FR 72806, Nov. 20, 2015]

§63.7495 When do I have to comply with this subpart?

- (a) If you have a new or reconstructed boiler or process heater, you must comply with this subpart by April 1, 2013, or upon startup of your boiler or process heater, whichever is later.
- (b) If you have an existing boiler or process heater, you must comply with this subpart no later than January 31, 2016, except as provided in §63.6(i).
- (c) If you have an area source that increases its emissions or its potential to emit such that it becomes a major source of HAP, paragraphs (c)(1) and (2) of this section apply to you.
- (1) Any new or reconstructed boiler or process heater at the existing source must be in compliance with this subpart upon startup.
- (2) Any existing boiler or process heater at the existing source must be in compliance with this subpart within 3 years after the source becomes a major source.
- (d) You must meet the notification requirements in §63.7545 according to the schedule in §63.7545 and in subpart A of this part. Some of the notifications must be submitted before you are required to comply with the emission limits and work practice standards in this subpart.
- (e) If you own or operate an industrial, commercial, or institutional boiler or process heater and would be subject to this subpart except for the exemption in §63.7491(l) for commercial and industrial solid waste incineration units covered by part 60, subpart CCCC or subpart DDDD, and you cease combusting solid waste, you must be in compliance with this subpart

**SECTION E. Source Group Restrictions.**

and are no longer subject to part 60, subparts CCCC or DDDD beginning on the effective date of the switch as identified under the provisions of §60.2145(a)(2) and (3) or §60.2710(a)(2) and (3).

(f) [NA – NO EGU'S]

(g) If you own or operate an existing industrial, commercial, or institutional boiler or process heater and would be subject to this subpart except for an exemption in §63.7491(i) that becomes subject to this subpart after January 31, 2013, you must be in compliance with the applicable existing source provisions of this subpart within 3 years after such unit becomes subject to this subpart.

(h) If you own or operate an existing industrial, commercial, or institutional boiler or process heater and have switched fuels or made a physical change to the boiler or process heater that resulted in the applicability of a different subcategory after the compliance date of this subpart, you must be in compliance with the applicable existing source provisions of this subpart on the effective date of the fuel switch or physical change.

(i) If you own or operate a new industrial, commercial, or institutional boiler or process heater and have switched fuels or made a physical change to the boiler or process heater that resulted in the applicability of a different subcategory, you must be in compliance with the applicable new source provisions of this subpart on the effective date of the fuel switch or physical change.

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7162, Jan. 31, 2013; 80 FR 72807, Nov. 20, 2015]

005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7485]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.

Am I subject to this subpart?

EMISSION LIMITATIONS AND WORK PRACTICE STANDARDS

§ 63.7499 What are the subcategories of boilers and process heaters?

The subcategories of boilers and process heaters, as defined in § 63.7575 are:

(a) [UNITS IN THIS SOURCE GROUP ARE NOT FIRED WITH PULVERIZED COAL]

(b) Stokers designed to burn coal/solid fossil fuel.

(c) [UNITS IN THIS SOURCE GROUP ARE NOT FIRED WITH FLUIDIZED BED COAL]

(d) – (j) [UNITS IN THIS SOURCE GROUP ARE NOT FIRED WITH BIOMASS]

(k) [UNITS ARE NOT NON-CONTINENTAL].

(l) Units designed to burn gas 1 fuels.

(m) [UNITS IN THIS SOURCE GROUP ARE NOT FIRED WITH "GAS 2"]

(n) [UNITS IN THIS SOURCE GROUP ARE NOT METAL PROCESS FURNACES]

(o) Limited-use boilers and process heaters.

(p) [UNITS IN THIS SOURCE GROUP ARE NOT FIRED WITH SOLID FUEL]

(q) Units designed to burn liquid fuel.

(r) [UNITS IN THIS SOURCE GROUP ARE NOT FIRED WITH SOLID FUEL]

(s) [UNITS IN THIS SOURCE GROUP ARE NOT FIRED WITH SOLID FUEL]

**SECTION E. Source Group Restrictions.**

(t) Units designed to burn heavy liquid fuel.

(u) Units designed to burn light liquid fuel.

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7163, Nov. 20, 2015]

§63.7500 What emission limitations, work practice standards, and operating limits must I meet?

(a) You must meet the requirements in paragraphs (a)(1) through (3) of this section, except as provided in paragraphs (b), through (e) of this section. You must meet these requirements at all times the affected unit is operating, except as provided in paragraph (f) of this section.

(1) You must meet each emission limit and work practice standard in Tables 1 through 3, and 11 through 13 [OF THESE TABLES, ONLY TABLE 3 APPLIES TO THE UNITS IN THIS SOURCE GROUP] to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522. The output-based emission limits, in units of pounds per million Btu of steam output, in Tables 1 or 2 to this subpart are an alternative applicable only to boilers and process heaters that generate either steam, cogenerate steam with electricity, or both. The output-based emission limits, in units of pounds per megawatt-hour, in Tables 1 or 2 to this subpart are an alternative applicable only to boilers that generate only electricity. Boilers that perform multiple functions (cogeneration and electricity generation) or supply steam to common headers would calculate a total steam energy output using equation 21 of §63.7575 to demonstrate compliance with the output-based emission limits, in units of pounds per million Btu of steam output, in Tables 1 or 2 to this subpart. If you operate a new boiler or process heater, you can choose to comply with alternative limits as discussed in paragraphs (a)(1)(i) through (iii) of this section, but on or after January 31, 2016, you must comply with the emission limits in Table 1 to this subpart.

RELEVANT DEFINITION: Unit designed to burn gas 1 subcategory includes any boiler or process heater that burns only natural gas, refinery gas, and/or other gas 1 fuels. Gaseous fuel boilers and process heaters that burn liquid fuel for periodic testing of liquid fuel, maintenance, or operator training, not to exceed a combined total of 48 hours during any calendar year, are included in this definition. Gaseous fuel boilers and process heaters that burn liquid fuel during periods of gas curtailment or gas supply interruptions of any duration are also included in this definition.

TABLE 3 REQUIREMENTS

As stated in § 63.7500, you must comply with the following applicable work practice standards:

1. If your unit is a new or existing boiler or process heater with a continuous oxygen trim system that maintains an optimum air to fuel ratio, or a heat input capacity of less than or equal to 5 million Btu per hour in any of the following subcategories: unit designed to burn gas 1; unit designed to burn gas 2 (other); or unit designed to burn light liquid, or a limited use boiler or process heater, you must meet the following: Conduct a tune-up of the boiler or process heater every 5 years as specified in § 63.7540.
2. If your unit is a new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of less than 10 million Btu per hour in the unit designed to burn heavy liquid or unit designed to burn solid fuel subcategories; or a new or existing boiler or process heater with heat input capacity of less than 10 million Btu per hour, but greater than 5 million Btu per hour, in any of the following subcategories: unit designed to burn gas 1; unit designed to burn gas 2 (other); or unit designed to burn light liquid, you must meet the following: Conduct a tune-up of the boiler or process heater biennially as specified in § 63.7540.
3. If your unit is a new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater, you must meet the following: Conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions under this subpart. Units in all other subcategories will conduct this tune-up as a work practice for dioxins/furans.
4. Must have a one-time energy assessment performed by a qualified energy assessor. An energy assessment completed on or after January 1, 2008, that meets or is amended to meet the energy assessment requirements in this table, satisfies the energy assessment requirement. A facility that operated under an energy management program developed according to

**SECTION E. Source Group Restrictions.**

the ENERGY STAR guidelines for energy management or compatible with ISO 50001 for at least one year between January 1, 2008 and the compliance date specified in §63.7495 that includes the affected units also satisfies the energy assessment requirement. The energy assessment must include the following with extent of the evaluation for items a. to e. appropriate for the on-site technical hours listed in §63.7575:

- a. A visual inspection of the boiler or process heater system.
- b. An evaluation of operating characteristics of the boiler or process heater systems, specifications of energy using systems, operating and maintenance procedures, and unusual operating constraints.
- c. An inventory of major energy use systems consuming energy from affected boilers and process heaters and which are under the control of the boiler/process heater owner/operator.
- d. A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage.
- e. A review of the facility's energy management program and provide recommendations for improvements consistent with the definition of energy management program, if identified.
- f. A list of cost-effective energy conservation measures that are within the facility's control.
- g. A list of the energy savings potential of the energy conservation measures identified.
- h. A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments.

END OF TABLE 3 REQUIREMENTS

(a)(i) – (iii) [NA – NO EMISSION STANDARDS]

(2) [NA – NO EMISSION STANDARDS]

(3) At all times, you must operate and maintain any affected source (as defined in §63.7490), including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

(b) As provided in §63.6(g), EPA may approve use of an alternative to the work practice standards in this section.

(c) Limited-use boilers and process heaters must complete a tune-up every 5 years as specified in §63.7540. They are not subject to the emission limits in Tables 1 and 2 or 11 through 13 to this subpart, the annual tune-up, or the energy assessment requirements in Table 3 to this subpart, or the operating limits in Table 4 to this subpart.

(d) Boilers and process heaters with a heat input capacity of less than or equal to 5 million Btu per hour in the units designed to burn gas 2 (other) fuels subcategory or units designed to burn light liquid fuels subcategory must complete a tune-up every 5 years as specified in §63.7540.

(e) Boilers and process heaters in the units designed to burn gas 1 fuels subcategory with a heat input capacity of less than or equal to 5 million Btu per hour must complete a tune-up every 5 years as specified in §63.7540. Boilers and process heaters in the units designed to burn gas 1 fuels subcategory with a heat input capacity greater than 5 million Btu per hour and less than 10 million Btu per hour must complete a tune-up every 2 years as specified in §63.7540. Boilers and process heaters in the units designed to burn gas 1 fuels subcategory are not subject to the emission limits in Tables 1 and 2 or 11 through 13 to this subpart, or the operating limits in Table 4 to this subpart.

(f) These standards apply at all times the affected unit is operating, except during periods of startup and shutdown during which time you must comply only with items 5 and 6 of Table 3 to this subpart.

**SECTION E. Source Group Restrictions.**

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7163, Jan. 31, 2013; 80 FR 72807, Nov. 20, 2015]

§63.7501 [Reserved]

GENERAL COMPLIANCE REQUIREMENTS

§63.7505 What are my general requirements for complying with this subpart?

(a) You must be in compliance with the emission limits, work practice standards, and operating limits in this subpart. These emission and operating limits apply to you at all times the affected unit is operating except for the periods noted in §63.7500(f).

(b) [Reserved]

(c) – (e) [NA – NO EMISSION STANDARDS]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7164, Jan. 31, 2013; 80 FR 72807, Nov. 20, 2015]

006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7485]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****Am I subject to this subpart?****TESTING, FUEL ANALYSES, AND INITIAL COMPLIANCE REQUIREMENTS**

§63.7510 What are my initial compliance requirements and by what date must I conduct them?

(a) – (d) [NA – NO EMISSION STANDARDS]

(e) For existing affected sources (as defined in §63.7490), you must complete the initial compliance demonstrations, as specified in paragraphs (a) through (d) of this section, no later than 180 days after the compliance date that is specified for your source in §63.7495 and according to the applicable provisions in §63.7(a)(2) as cited in Table 10 to this subpart, except as specified in paragraph (j) of this section. You must complete an initial tune-up by following the procedures described in §63.7540(a)(10)(i) through (vi) no later than the compliance date specified in §63.7495, except as specified in paragraph (j) of this section. You must complete the one-time energy assessment specified in Table 3 to this subpart no later than the compliance date specified in §63.7495.

(f) [NA – NO EMISSION STANDARDS]

(g) For new or reconstructed affected sources (as defined in §63.7490), you must demonstrate initial compliance with the applicable work practice standards in Table 3 to this subpart within the applicable annual, biennial, or 5-year schedule as specified in §63.7515(d) following the initial compliance date specified in §63.7495(a). Thereafter, you are required to complete the applicable annual, biennial, or 5-year tune-up as specified in §63.7515(d).

(h) [NA – SOURCES IN THIS GROUP HAVE NOT BURNED SOLID WASTE]

(i) [NA – NO EGU'S]

(j) For existing affected sources (as defined in §63.7490) that have not operated between the effective date of the rule and the compliance date that is specified for your source in §63.7495, you must complete the initial compliance demonstration, if subject to the emission limits in Table 2 to this subpart, as specified in paragraphs (a) through (d) of this section, no later than 180 days after the re-start of the affected source and according to the applicable provisions in §63.7(a)(2) as cited in Table 10 to this subpart. You must complete an initial tune-up by following the procedures described in §63.7540(a)(10)(i) through (vi) no later than 30 days after the re-start of the affected source and, if applicable, complete the one-time energy assessment specified in Table 3 to this subpart, no later than the compliance date specified in §63.7495.

(k) For affected sources, as defined in §63.7490, that switch subcategories consistent with §63.7545(h) after the initial compliance date, you must demonstrate compliance within 60 days of the effective date of the switch, unless you had

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previously conducted your compliance demonstration for this subcategory within the previous 12 months.

[78 FR 7164, Jan. 31, 2013, as amended at 80 FR 72808, Nov. 20, 2015]

§63.7515 When must I conduct subsequent performance tests, fuel analyses, or tune-ups?

(a) – (c) [NA – PERFORMANCE TESTING NOT REQUIRED]

(d) If you are required to meet an applicable tune-up work practice standard, you must conduct an annual, biennial, or 5-year performance tune-up according to §63.7540(a)(10), (11), or (12), respectively. Each annual tune-up specified in §63.7540(a)(10) must be no more than 13 months after the previous tune-up. Each biennial tune-up specified in §63.7540(a)(11) must be conducted no more than 25 months after the previous tune-up. Each 5-year tune-up specified in §63.7540(a)(12) must be conducted no more than 61 months after the previous tune-up. For a new or reconstructed affected source (as defined in §63.7490), the first annual, biennial, or 5-year tune-up must be no later than 13 months, 25 months, or 61 months, respectively, after April 1, 2013 or the initial startup of the new or reconstructed affected source, whichever is later.

(e) [NA – FUEL ANALYSIS NOT REQUIRED]

(f) [NA – PERFORMANCE TESTING NOT REQUIRED]

(g) For affected sources (as defined in §63.7490) that have not operated since the previous compliance demonstration and more than one year has passed since the previous compliance demonstration, you must complete the subsequent compliance demonstration, if subject to the emission limits in Tables 1, 2, or 11 through 13 to this subpart, no later than 180 days after the re-start of the affected source and according to the applicable provisions in §63.7(a)(2) as cited in Table 10 to this subpart. You must complete a subsequent tune-up by following the procedures described in §63.7540(a)(10)(i) through (vi) and the schedule described in §63.7540(a)(13) for units that are not operating at the time of their scheduled tune-up.

(h) [NA – PERFORMANCE TESTING NOT REQUIRED]

(i) [NA – NO CO CEMS]

[78 FR 7165, Jan. 31, 2013, as amended at 80 FR 72808, Nov. 20, 2015]

§63.7520 What stack tests and procedures must I use? [NA – PERFORMANCE TESTING NOT REQUIRED]

§63.7521 What fuel analyses, fuel specification, and procedures must I use? [NA – FUEL ANALYSIS NOT REQUIRED SINCE NO EMISSION STANDARDS]

§63.7522 Can I use emissions averaging to comply with this subpart? [NA – NO EMISSION STANDARDS]

§63.7525 What are my monitoring, installation, operation, and maintenance requirements?

(a) [NA – NO EMISSION STANDARDS]

(b) [NA – NO EMISSION STANDARDS]

(c) [NA – NO EMISSION STANDARDS]

(d) [NA – NO CMS REQUIRED]

(e) [NA – NO FLOW MONITORING SYSTEM REQUIRED]

(f) [NA – NO PRESSURE MONITORING SYSTEM REQUIRED]

(g) [NA – NO PH MONITORING SYSTEM REQUIRED]

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(h) [NA – NO ESP]

(i) [NA – NO SORBENT INJECTION RATE MONITORING SYSTEM]

(j) [NA – NO BLDS]

(k) For each unit that meets the definition of limited-use boiler or process heater, you must keep fuel use records for the days the boiler or process heater was operating.

(l) – (m) [NA – NO EMISSION STANDARDS]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7171, Jan. 31, 2013; 80 FR 72810, Nov. 20, 2015]

§63.7530 How do I demonstrate initial compliance with the emission limitations, fuel specifications and work practice standards?

(a) – (c) [NA – NO EMISSION STANDARDS]

(d)[Reserved]

(e) You must include with the Notification of Compliance Status a signed certification that either the energy assessment was completed according to Table 3 to this subpart, and that the assessment is an accurate depiction of your facility at the time of the assessment, or that the maximum number of on-site technical hours specified in the definition of energy assessment applicable to the facility has been expended.

(f) You must submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in §63.7545(e).

(g) [UNITS TO NOT USE “OTHER GAS 1 FUEL”]

(h) – (i) [NA – NO EMISSION STANDARDS]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7174, Jan. 31, 2013; 80 FR 72811, Nov. 20, 2015]

§63.7533 Can I use efficiency credits earned from implementation of energy conservation measures to comply with this subpart? [NA – NO EMISSION STANDARDS]

CONTINUOUS COMPLIANCE REQUIREMENTS

§63.7535 Is there a minimum amount of monitoring data I must obtain? [NA – NO CMS REQUIRED]

§63.7540 How do I demonstrate continuous compliance with the emission limitations, fuel specifications and work practice standards?

(a) You must demonstrate continuous compliance with each emission limit in Tables 1 and 2 or 11 through 13 to this subpart, the work practice standards in Table 3 to this subpart, and the operating limits in Table 4 to this subpart that applies to you according to the methods specified in Table 8 to this subpart and paragraphs (a)(1) through (19) of this section.

(1) [NA – NO EMISSION STANDARDS]

(2) As specified in §63.7555(d), you must keep records of the type and amount of all fuels burned in each boiler or process heater during the reporting period to demonstrate that all fuel types and mixtures of fuels burned would result in either of the following:

(i) – (ii) [NA – NO EMISSION STANDARDS]

**SECTION E. Source Group Restrictions.****(3) – (9) [NA – NO EMISSION STANDARDS]**

(10) If your boiler or process heater has a heat input capacity of 10 million Btu per hour or greater, you must conduct an annual tune-up of the boiler or process heater to demonstrate continuous compliance as specified in paragraphs (a)(10)(i) through (vi) of this section. You must conduct the tune-up while burning the type of fuel (or fuels in case of units that routinely burn a mixture) that provided the majority of the heat input to the boiler or process heater over the 12 months prior to the tune-up. This frequency does not apply to limited-use boilers and process heaters, as defined in §63.7575, or units with continuous oxygen trim systems that maintain an optimum air to fuel ratio.

(i) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may perform the burner inspection any time prior to the tune-up or delay the burner inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the burner inspection until the first outage, not to exceed 36 months from the previous inspection. At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment;

(ii) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;

(iii) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (you may delay the inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the inspection until the first outage, not to exceed 36 months from the previous inspection;

(iv) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NOX requirement to which the unit is subject;

(v) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer; and

(vi) Maintain on-site and submit, if requested by the Administrator, a report containing the information in paragraphs (a)(10)(vi)(A) through (C) of this section,

(A) The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater;

(B) A description of any corrective actions taken as a part of the tune-up; and

(C) The type and amount of fuel used over the 12 months prior to the tune-up, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel used by each unit.

(11) If your boiler or process heater has a heat input capacity of less than 10 million Btu per hour (except as specified in paragraph (a)(12) of this section), you must conduct a biennial tune-up of the boiler or process heater as specified in paragraphs (a)(10)(i) through (vi) of this section to demonstrate continuous compliance.

(12) If your boiler or process heater has a continuous oxygen trim system that maintains an optimum air to fuel ratio, or a heat input capacity of less than or equal to 5 million Btu per hour and the unit is in the units designed to burn gas 1; units designed to burn gas 2 (other); or units designed to burn light liquid subcategories, or meets the definition of limited-use boiler or process heater in §63.7575, you must conduct a tune-up of the boiler or process heater every 5 years as specified in paragraphs (a)(10)(i) through (vi) of this section to demonstrate continuous compliance. You may delay the burner inspection specified in paragraph (a)(10)(i) of this section until the next scheduled or unscheduled unit shutdown, but you must inspect each burner at least once every 72 months. If an oxygen trim system is utilized on a unit without emission standards to reduce the tune-up frequency to once every 5 years, set the oxygen level no lower than the oxygen concentration measured during the most recent tune-up.

(13) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of

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startup.

(14) – (19) [NA – NO EMISSION STANDARDS]

(b) You must report each instance in which you did not meet each emission limit and operating limit in Tables 1 through 4 or 11 through 13 to this subpart that apply to you. These instances are deviations from the emission limits or operating limits, respectively, in this subpart. These deviations must be reported according to the requirements in §63.7550.

(c) – (d) [NA – NO EMISSION STANDARDS]

[78 FR 7179, Jan. 31, 2013, as amended at 80 FR 72813, Nov. 20, 2015]

§63.7541 How do I demonstrate continuous compliance under the emissions averaging provision? [NA – NO EMISSION STANDARDS]

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7485]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.

Am I subject to this subpart?

NOTIFICATION, REPORTS, AND RECORDS

§63.7545 What notifications must I submit and when?

(a) You must submit to the Administrator all of the notifications in §§63.7(b) and (c), 63.8(e), (f)(4) and (6), and 63.9(b) through (h) that apply to you by the dates specified.

(b) As specified in §63.9(b)(2), if you startup your affected source before January 31, 2013, you must submit an Initial Notification not later than 120 days after January 31, 2013.

(c) As specified in §63.9(b)(4) and (5), if you startup your new or reconstructed affected source on or after January 31, 2013, you must submit an Initial Notification not later than 15 days after the actual date of startup of the affected source.

(d) [NA – PERFORMANCE TESTING NOT REQUIRED]

(e) If you are required to conduct an initial compliance demonstration as specified in §63.7530, you must submit a Notification of Compliance Status according to §63.9(h)(2)(ii). For the initial compliance demonstration for each boiler or process heater, you must submit the Notification of Compliance Status, including all performance test results and fuel analyses, before the close of business on the 60th day following the completion of all performance test and/or other initial compliance demonstrations for all boiler or process heaters at the facility according to §63.10(d)(2). The Notification of Compliance Status report must contain all the information specified in paragraphs (e)(1) through (8) of this section, as applicable. If you are not required to conduct an initial compliance demonstration as specified in §63.7530(a), the Notification of Compliance Status must only contain the information specified in paragraphs (e)(1) and (8) of this section and must be submitted within 60 days of the compliance date specified at §63.7495(b).

(1) A description of the affected unit(s) including identification of which subcategories the unit is in, the design heat input capacity of the unit, a description of the add-on controls used on the unit to comply with this subpart, description of the fuel(s) burned, including whether the fuel(s) were a secondary material determined by you or the EPA through a petition process to be a non-waste under §241.3 of this chapter, whether the fuel(s) were a secondary material processed from discarded non-hazardous secondary materials within the meaning of §241.3 of this chapter, and justification for the selection of fuel(s) burned during the compliance demonstration.

(2) – (5) [NA – NO EMISSION STANDARDS]

(6) A signed certification that you have met all applicable emission limits and work practice standards.

(7) If you had a deviation from any emission limit, work practice standard, or operating limit, you must also submit a

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description of the deviation, the duration of the deviation, and the corrective action taken in the Notification of Compliance Status report.

(8) In addition to the information required in §63.9(h)(2), your notification of compliance status must include the following certification(s) of compliance, as applicable, and signed by a responsible official:

(i) "This facility completed the required initial tune-up for all of the boilers and process heaters covered by 40 CFR part 63 subpart DDDDD at this site according to the procedures in §63.7540(a)(10)(i) through (vi)."

(ii) "This facility has had an energy assessment performed according to §63.7530(e)."

(iii) Except for units that burn only natural gas, refinery gas, or other gas 1 fuel, or units that qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act, include the following: "No secondary materials that are solid waste were combusted in any affected unit."

(f) If you operate a unit designed to burn natural gas, refinery gas, or other gas 1 fuels that is subject to this subpart, and you intend to use a fuel other than natural gas, refinery gas, gaseous fuel subject to another subpart of this part, part 60, 61, or 65, or other gas 1 fuel to fire the affected unit during a period of natural gas curtailment or supply interruption, as defined in §63.7575, you must submit a notification of alternative fuel use within 48 hours of the declaration of each period of natural gas curtailment or supply interruption, as defined in §63.7575. The notification must include the information specified in paragraphs (f)(1) through (5) of this section.

(1) Company name and address.

(2) Identification of the affected unit.

(3) Reason you are unable to use natural gas or equivalent fuel, including the date when the natural gas curtailment was declared or the natural gas supply interruption began.

(4) Type of alternative fuel that you intend to use.

(5) Dates when the alternative fuel use is expected to begin and end.

(g) [NA – UNITS IN THIS SOURCE GROUP DO NOT BURN SOLID WASTE]

(h) If you have switched fuels or made a physical change to the boiler or process heater and the fuel switch or physical change resulted in the applicability of a different subcategory, you must provide notice of the date upon which you switched fuels or made the physical change within 30 days of the switch/change. The notification must identify:

(1) The name of the owner or operator of the affected source, as defined in §63.7490, the location of the source, the boiler(s) and process heater(s) that have switched fuels, were physically changed, and the date of the notice.

(2) The currently applicable subcategory under this subpart.

(3) The date upon which the fuel switch or physical change occurred.

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7183, Jan. 31, 2013; 80 FR 72814, Nov. 20, 2015]

§63.7550 What reports must I submit and when?

(a) You must submit each report in Table 9 to this subpart that applies to you.

TABLE 9 REQUIREMENTS

As stated in § 63.7550, you must comply with the following requirements for reports:

You must submit a compliance report. The report must contain

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a. Information required in § 63.7550(c)(1) through (5); and

b. If there are no deviations from any emission limitation (emission limit and operating limit) that applies to you and there are no deviations from the requirements for work practice standards for periods of startup and shutdown in Table 3 to this subpart that apply to you, a statement that there were no deviations from the emission limitations and work practice standards during the reporting period. If there were no periods during which the CMSs, including continuous emissions monitoring system, continuous opacity monitoring system, and operating parameter monitoring systems, were out-of-control as specified in §63.8(c)(7), a statement that there were no periods during which the CMSs were out-of-control during the reporting period; and

c. If you have a deviation from any emission limitation (emission limit and operating limit) where you are not using a CMS to comply with that emission limit or operating limit, or a deviation from a work practice standard for periods of startup and shutdown, during the reporting period, the report must contain the information in §63.7550(d); and

d. [NA – NO EMISSION STANDARDS]

You must submit the report semiannually, annually, biennially, or every 5 years according to the requirements in § 63.7550(b).

END OF TABLE 9 REQUIREMENTS

(b) Unless the EPA Administrator has approved a different schedule for submission of reports under §63.10(a), you must submit each report, according to paragraph (h) of this section, by the date in Table 9 to this subpart and according to the requirements in paragraphs (b)(1) through (4) of this section. For units that are subject only to a requirement to conduct subsequent annual, biennial, or 5-year tune-up according to §63.7540(a)(10), (11), or (12), respectively, and not subject to emission limits or Table 4 operating limits, you may submit only an annual, biennial, or 5-year compliance report, as applicable, as specified in paragraphs (b)(1) through (4) of this section, instead of a semi-annual compliance report.

(1) The first semi-annual compliance report must cover the period beginning on the compliance date that is specified for each boiler or process heater in §63.7495 and ending on June 30 or December 31, whichever date is the first date that occurs at least 180 days after the compliance date that is specified for your source in §63.7495. If submitting an annual, biennial, or 5-year compliance report, the first compliance report must cover the period beginning on the compliance date that is specified for each boiler or process heater in §63.7495 and ending on December 31 within 1, 2, or 5 years, as applicable, after the compliance date that is specified for your source in §63.7495.

(2) The first semi-annual compliance report must be postmarked or submitted no later than July 31 or January 31, whichever date is the first date following the end of the first calendar half after the compliance date that is specified for each boiler or process heater in §63.7495. The first annual, biennial, or 5-year compliance report must be postmarked or submitted no later than January 31.

(3) Each subsequent semi-annual compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. Annual, biennial, and 5-year compliance reports must cover the applicable 1-, 2-, or 5-year periods from January 1 to December 31.

(4) Each subsequent semi-annual compliance report must be postmarked or submitted no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period. Annual, biennial, and 5-year compliance reports must be postmarked or submitted no later than January 31.

(5) For each affected source that is subject to permitting regulations pursuant to part 70 or part 71 of this chapter, and if the permitting authority has established dates for submitting semiannual reports pursuant to 70.6(a)(3)(iii)(A) or 71.6(a)(3)(iii)(A), you may submit the first and subsequent compliance reports according to the dates the permitting authority has established in the permit instead of according to the dates in paragraphs (b)(1) through (4) of this section.

(c) A compliance report must contain the following information depending on how the facility chooses to comply with the limits set in this rule.

(1) If the facility is subject to the requirements of a tune up you must submit a compliance report with the information in

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paragraphs (c)(5)(i) through (iii) of this section, (xiv) and (xvii) of this section, and paragraph (c)(5)(iv) of this section for limited-use boiler or process heater.

(2) [NA – FUEL ANALYSIS NOT REQUIRED]

(3) – (4) [NA – NO EMISSION STANDARDS]

(5)(i) Company and Facility name and address.

(ii) Process unit information, emissions limitations, and operating parameter limitations.

(iii) Date of report and beginning and ending dates of the reporting period.

(iv) The total operating time during the reporting period.

(v) – (xiii) [NA – NO EMISSION STANDARDS]

(xiv) Include the date of the most recent tune-up for each unit subject to only the requirement to conduct an annual, biennial, or 5-year tune-up according to §63.7540(a)(10), (11), or (12) respectively. Include the date of the most recent burner inspection if it was not done annually, biennially, or on a 5-year period and was delayed until the next scheduled or unscheduled unit shutdown.

(xv) – (xvi) [NA – NO EMISSION STANDARDS]

(xvii) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.

(xviii) [NA – NO EMISSION STANDARDS]

(d) – (e) [NA – NO EMISSION STANDARDS]

(f)-(g) [Reserved]

(h) You must submit the reports according to the procedures specified in paragraphs (h)(1) through (3) of this section.

(1) – (2) [NA – NO EMISSION STANDARDS]

(3) You must submit all reports required by Table 9 of this subpart electronically to the EPA via the CEDRI. (CEDRI can be accessed through the EPA's CDX.) You must use the appropriate electronic report in CEDRI for this subpart. Instead of using the electronic report in CEDRI for this subpart, you may submit an alternate electronic file consistent with the XML schema listed on the CEDRI Web site (<http://www.epa.gov/ttn/chief/cedri/index.html>), once the XML schema is available. If the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, you must submit the report to the Administrator at the appropriate address listed in §63.13. You must begin submitting reports via CEDRI no later than 90 days after the form becomes available in CEDRI.

[78 FR 7183, Jan. 31, 2013, as amended at 80 FR 72814, Nov. 20, 2015]

§63.7555 What records must I keep?

(a) You must keep records according to paragraphs (a)(1) and (2) of this section.

(1) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report that you submitted, according to the requirements in §63.10(b)(2)(xiv).

(2) Records of performance tests, fuel analyses, or other compliance demonstrations and performance evaluations as required in §63.10(b)(2)(viii).

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(3) For units in the limited use subcategory, you must keep a copy of the federally enforceable permit that limits the annual capacity factor to less than or equal to 10 percent and fuel use records for the days the boiler or process heater was operating.

(b) – (g) [NA – NO EMISSION STANDARDS]

(h) If you operate a unit in the unit designed to burn gas 1 subcategory that is subject to this subpart, and you use an alternative fuel other than natural gas, refinery gas, gaseous fuel subject to another subpart under this part, other gas 1 fuel, or gaseous fuel subject to another subpart of this part or part 60, 61, or 65, you must keep records of the total hours per calendar year that alternative fuel is burned and the total hours per calendar year that the unit operated during periods of gas curtailment or gas supply emergencies.

(i) and (j) [Removed]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7185, Jan. 31, 2013; 80 FR 72816, Nov. 20, 2015]

§63.7560 In what form and how long must I keep my records?

(a) Your records must be in a form suitable and readily available for expeditious review, according to §63.10(b)(1).

(b) As specified in §63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

(c) You must keep each record on site, or they must be accessible from on site (for example, through a computer network), for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1). You can keep the records off site for the remaining 3 years.

OTHER REQUIREMENTS AND INFORMATION

§63.7565 What parts of the General Provisions apply to me?

Table 10 to this subpart shows which parts of the General Provisions in §§63.1 through 63.15 apply to you.

§63.7570 Who implements and enforces this subpart? [INCORPORATED BY REFERENCE]

§63.7575 What definitions apply to this subpart? [INCORPORATED BY REFERENCE]

*** **Permit Shield in Effect.** ***

**SECTION E. Source Group Restrictions.**

Group Name: SG20B

Group Description: 40 CFR 63 Subpart DDDDD for units greater than 10 mmBtu/hr

Sources included in this group

ID	Name
047	#5 BOILER F-645, B-48 (JOHNSTON)
048	#3 BOILER F-572, B-48 (C-B)
049	#4 BOILER F-573, B-48 (C-B)
065	STRIP MILL BOILER F-863 B-048(CT 723)

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.**# 001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7480]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What is the purpose of this subpart?**

§63.7480 What is the purpose of this subpart?

This subpart establishes national emission limitations and work practice standards for hazardous air pollutants (HAP) emitted from industrial, commercial, and institutional boilers and process heaters located at major sources of HAP. This subpart also establishes requirements to demonstrate initial and continuous compliance with the emission limitations and work practice standards.

§63.7485 Am I subject to this subpart?

You are subject to this subpart if you own or operate an industrial, commercial, or institutional boiler or process heater as defined in §63.7575 that is located at, or is part of, a major source of HAP, except as specified in §63.7491. For purposes of this subpart, a major source of HAP is as defined in §63.2, except that for oil and natural gas production facilities, a major source of HAP is as defined in §63.7575.

[78 FR 7162, Jan. 31, 2013]

**SECTION E. Source Group Restrictions.**

§63.7490 What is the affected source of this subpart?

(a) This subpart applies to new, reconstructed, and existing affected sources as described in paragraphs (a)(1) and (2) of this section.

(1) The affected source of this subpart is the collection at a major source of all existing industrial, commercial, and institutional boilers and process heaters within a subcategory as defined in §63.7575.

(2) The affected source of this subpart is each new or reconstructed industrial, commercial, or institutional boiler or process heater, as defined in §63.7575, located at a major source.

(b) A boiler or process heater is new if you commence construction of the boiler or process heater after June 4, 2010, and you meet the applicability criteria at the time you commence construction.

(c) A boiler or process heater is reconstructed if you meet the reconstruction criteria as defined in §63.2, you commence reconstruction after June 4, 2010, and you meet the applicability criteria at the time you commence reconstruction.

(d) A boiler or process heater is existing if it is not new or reconstructed.

(e) An existing electric utility steam generating unit (EGU) that meets the applicability requirements of this subpart after the effective date of this final rule due to a change (e.g., fuel switch) is considered to be an existing source under this subpart.

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7162, Jan. 31, 2013]

§63.7491 Are any boilers or process heaters not subject to this subpart?

The types of boilers and process heaters listed in paragraphs (a) through (n) of this section are not subject to this subpart.

(a) [NA – NOT SUBJECT TO 5U]

(b) [NA – NOT SUBJECT TO MM]

(c) [NA – NO R&D UNITS]

(d) [NA – NOT HOT WATER HEATERS]

(e) [NA – NO REFINING KETTLES]

(f) [NA – NOT SUBJECT TO YY]

(g) [NA – NO BLAST FURNACE STOVES]

(h) [NA – NO UNITS PART OF SOURCES SUBJECT TO OTHER PART 63 SUBPART, SUCH AS JJJ, OOO, PPP, U]

(i) [NA – NO UNITS USED AS CONTROL DEVICES]

(j) [NA – NO UNITS DEFINED AS TEMPORARY]

(k) [NA – NO UNITS FIRE BLAST FURNACE GAS]

(l) [NA – NO CAA SECTION 129 UNITS]

(m) [NA – NOT SUBJECT TO EEE]

(n) [NA – NO RESIDENTIAL BOILERS]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7162, Jan. 31, 2013; 80 FR 72806, Nov. 20, 2015]

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§63.7495 When do I have to comply with this subpart?

- (a) If you have a new or reconstructed boiler or process heater, you must comply with this subpart by April 1, 2013, or upon startup of your boiler or process heater, whichever is later.
- (b) If you have an existing boiler or process heater, you must comply with this subpart no later than January 31, 2016, except as provided in §63.6(i).
- (c) If you have an area source that increases its emissions or its potential to emit such that it becomes a major source of HAP, paragraphs (c)(1) and (2) of this section apply to you.
 - (1) Any new or reconstructed boiler or process heater at the existing source must be in compliance with this subpart upon startup.
 - (2) Any existing boiler or process heater at the existing source must be in compliance with this subpart within 3 years after the source becomes a major source.
- (d) You must meet the notification requirements in §63.7545 according to the schedule in §63.7545 and in subpart A of this part. Some of the notifications must be submitted before you are required to comply with the emission limits and work practice standards in this subpart.
- (e) If you own or operate an industrial, commercial, or institutional boiler or process heater and would be subject to this subpart except for the exemption in §63.7491(l) for commercial and industrial solid waste incineration units covered by part 60, subpart CCCC or subpart DDDD, and you cease combusting solid waste, you must be in compliance with this subpart and are no longer subject to part 60, subparts CCCC or DDDD beginning on the effective date of the switch as identified under the provisions of §60.2145(a)(2) and (3) or §60.2710(a)(2) and (3).
- (f) [NA – NO EGU'S]
- (g) If you own or operate an existing industrial, commercial, or institutional boiler or process heater and would be subject to this subpart except for an exemption in §63.7491(i) that becomes subject to this subpart after January 31, 2013, you must be in compliance with the applicable existing source provisions of this subpart within 3 years after such unit becomes subject to this subpart.
- (h) If you own or operate an existing industrial, commercial, or institutional boiler or process heater and have switched fuels or made a physical change to the boiler or process heater that resulted in the applicability of a different subcategory after the compliance date of this subpart, you must be in compliance with the applicable existing source provisions of this subpart on the effective date of the fuel switch or physical change.
- (i) If you own or operate a new industrial, commercial, or institutional boiler or process heater and have switched fuels or made a physical change to the boiler or process heater that resulted in the applicability of a different subcategory, you must be in compliance with the applicable new source provisions of this subpart on the effective date of the fuel switch or physical change.

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7162, Jan. 31, 2013; 80 FR 72807, Nov. 20, 2015]

EMISSION LIMITATIONS AND WORK PRACTICE STANDARDS

§63.7499 What are the subcategories of boilers and process heaters?

The subcategories of boilers and process heaters, as defined in §63.7575 are:

- (a) [UNITS IN THIS SOURCE GROUP ARE NOT FIRED WITH PULVERIZED COAL]
- (b) [UNITS IN THIS SOURCE GROUP ARE NOT FIRED WITH COAL]
- (c) [UNITS IN THIS SOURCE GROUP ARE NOT FIRED WITH FLUIDIZED BED COAL]

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- (d) – (j) [UNITS IN THIS SOURCE GROUP ARE NOT FIRED WITH BIOMASS]
- (k) [UNITS ARE NOT NON-CONTINENTAL].
- (l) Units designed to burn gas 1 fuels.
- (m) [UNITS IN THIS SOURCE GROUP ARE NOT FIRED WITH "GAS 2"]
- (n) [UNITS IN THIS SOURCE GROUP ARE NOT METAL PROCESS FURNACES]
- (o) [UNITS IN THIS SOURCE GROUP ARE NOT LIMITED USE]
- (p) [UNITS IN THIS SOURCE GROUP ARE NOT FIRED WITH SOLID FUEL]
- (q) Units designed to burn liquid fuel.
- (r) [UNITS IN THIS SOURCE GROUP ARE NOT FIRED WITH SOLID FUEL]
- (s) [UNITS IN THIS SOURCE GROUP ARE NOT FIRED WITH SOLID FUEL]
- (t) [UNITS IN THIS SOURCE GROUP ARE NOT FIRED WITH HEAVY LIQUID FUEL]
- (u) Units designed to burn light liquid fuel.

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7163, Jan. 31, 2013]

§63.7500 What emission limitations, work practice standards, and operating limits must I meet?

(a) You must meet the requirements in paragraphs (a)(1) through (3) of this section, except as provided in paragraphs (b), through (e) of this section. You must meet these requirements at all times the affected unit is operating, except as provided in paragraph (f) of this section.

(1) You must meet each emission limit and work practice standard in Tables 1 through 3, and 11 through 13 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522. The output-based emission limits, in units of pounds per million Btu of steam output, in Tables 1 or 2 to this subpart are an alternative applicable only to boilers and process heaters that generate either steam, cogenerate steam with electricity, or both. The output-based emission limits, in units of pounds per megawatt-hour, in Tables 1 or 2 to this subpart are an alternative applicable only to boilers that generate only electricity. Boilers that perform multiple functions (cogeneration and electricity generation) or supply steam to common headers would calculate a total steam energy output using equation 21 of §63.7575 to demonstrate compliance with the output-based emission limits, in units of pounds per million Btu of steam output, in Tables 1 or 2 to this subpart. If you operate a new boiler or process heater, you can choose to comply with alternative limits as discussed in paragraphs (a)(1)(i) through (iii) of this section, but on or after January 31, 2016, you must comply with the emission limits in Table 1 to this subpart.

RELEVANT DEFINITION: Unit designed to burn gas 1 subcategory includes any boiler or process heater that burns only natural gas, refinery gas, and/or other gas 1 fuels. Gaseous fuel boilers and process heaters that burn liquid fuel for periodic testing of liquid fuel, maintenance, or operator training, not to exceed a combined total of 48 hours during any calendar year, are included in this definition. Gaseous fuel boilers and process heaters that burn liquid fuel during periods of gas curtailment or gas supply interruptions of any duration are also included in this definition.

TABLE 2 REQUIREMENTS: Emission Limits for Existing Boilers and Process Heaters

As stated in § 63.7500, you must comply with the following applicable emission limits:

[Units with heat input capacity of 10 million Btu per hour or greater]

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a. If your boiler or process heater is in this subcategory: Units designed to burn liquid fuel, then for the following pollutant: HCl, the emissions must not exceed the following emission limits, except during startup and shutdown: 1.1E-03 lb per MMBtu of heat input, or the emissions must not exceed the following alternative output-based limits, except during startup and shutdown: 1.4E-03 lb per MMBtu of steam output or 1.6E-02 lb per MWh, using this specified sampling volume or test run duration: For M26A: Collect a minimum of 2 dscm per run; for M26, collect a minimum of 240 liters per run.

b. If your boiler or process heater is in this subcategory: Units designed to burn liquid fuel, then for the following pollutant: Mercury, the emissions must not exceed the following emission limits, except during startup and shutdown: 2.0E-06 lb per MMBtu of heat input, or the emissions must not exceed the following alternative output-based limits, except during startup and shutdown: 2.5E-06 lb per MMBtu of steam output or 2.8E-05 lb per MWh, using this specified sampling volume or test run duration: For M29, collect a minimum of 3 dscm per run; for M30A or M30B collect a minimum sample as specified in the method, for ASTM D6784 **collect a minimum of 2 dscm.

Item 16:

a. If your boiler or process heater is in this subcategory: Units designed to burn light liquid fuel, then for the following pollutant: CO, the emissions must not exceed the following emission limits, except during startup and shutdown: 130 ppm by volume on a dry basis corrected to 3 percent oxygen, or the emissions must not exceed the following alternative output-based limits, except during startup and shutdown: 0.13 lb per MMBtu of steam output or 1.4 lb per MWh, using this specified sampling volume or test run duration: 1 hr minimum sampling time.

b. If your boiler or process heater is in this subcategory: Units designed to burn light liquid fuel, then for the following pollutant: Filterable PM (or TSM), the emissions must not exceed the following emission limits, except during startup and shutdown: 7.9E-03 lb per MMBtu of heat input; or (6.2E-05 lb per MMBtu of heat input), or the emissions must not exceed the following alternative output-based limits, except during startup and shutdown: 9.6E-03 lb per MMBtu of steam output or 1.1E-01 lb per MWh; or (7.5E-05 lb per MMBtu of steam output or 8.6E-04 lb per MWh), using this specified sampling volume or test run duration: Collect a minimum of 3 dscm per run.

* If you are conducting stack tests to demonstrate compliance and your performance tests for this pollutant for at least 2 consecutive years show that your emissions are at or below this limit, you can skip testing according to § 63.7515 if all of the other provisions of § 63.7515 are met. For all other pollutants that do not contain a footnote a, your performance tests for this pollutant for at least 2 consecutive years must show that your emissions are at or below 75 percent of this limit in order to qualify for skip testing.

** Incorporated by reference, see § 63.14.

END OF TABLE 2 REQUIREMENTS

TABLE 3 REQUIREMENTS: Work Practice Standards

As stated in § 63.7500, you must comply with the following applicable work practice standards:

TABLE 3 REQUIREMENTS

As stated in § 63.7500, you must comply with the following applicable work practice standards:

Item 3: If your unit is a new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater, you must meet the following: Conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions under this subpart. Units in all other subcategories will conduct this tune-up as a work practice for dioxins/furans.

Item 4: If your unit is an existing boiler or process heater located at a major source facility, not including limited use units, you must meet the following: Must have a one-time energy assessment performed by a qualified energy assessor. An energy assessment completed on or after January 1, 2008, that meets or is amended to meet the energy assessment requirements in this table, satisfies the energy assessment requirement. A facility that operated under an energy management program developed according to the ENERGY STAR guidelines for energy management or compatible with ISO 50001 for at least one year between January 1, 2008 and the compliance date specified in §63.7495 that includes the

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affected units also satisfies the energy assessment requirement. The energy assessment must include the following with extent of the evaluation for items a. to e. appropriate for the on-site technical hours listed in § 63.7575:

- a. A visual inspection of the boiler or process heater system.
- b. An evaluation of operating characteristics of the boiler or process heater systems, specifications of energy using systems, operating and maintenance procedures, and unusual operating constraints.
- c. An inventory of major energy use systems consuming energy from affected boilers and process heaters and which are under the control of the boiler/process heater owner/operator.
- d. A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage.
- e. A review of the facility's energy management program and provide recommendations for improvements consistent with the definition of energy management program, if identified.
- f. A list of cost-effective energy conservation measures that are within the facility's control.
- g. A list of the energy savings potential of the energy conservation measures identified.
- h. A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments.

Item 5: If your unit is an existing or new boiler or process heater subject to emission limits in Table 1 or 2 or 11 through 13 to this subpart during startup, you must meet the following:

- a. You must operate all CMS during startup.
- b. For startup of a boiler or process heater, you must use one or a combination of the following clean fuels: Natural gas, synthetic natural gas, propane, other Gas 1 fuels, distillate oil, syngas, ultra-low sulfur diesel, fuel oil-soaked rags, kerosene, hydrogen, paper, cardboard, refinery gas, liquefied petroleum gas, clean dry biomass, and any fuels meeting the appropriate HCl, mercury and TSM emission standards by fuel analysis.
- c. You have the option of complying using either of the following work practice standards.

(1) If you choose to comply using definition (1) of "startup" in §63.7575, once you start firing fuels that are not clean fuels, you must vent emissions to the main stack(s) and engage all of the applicable control devices except limestone injection in fluidized bed combustion (FBC) boilers, dry scrubber, fabric filter, and selective catalytic reduction (SCR). You must start your limestone injection in FBC boilers, dry scrubber, fabric filter, and SCR systems as expeditiously as possible. Startup ends when steam or heat is supplied for any purpose, OR

(2) If you choose to comply using definition (2) of "startup" in §63.7575, once you start to feed fuels that are not clean fuels, you must vent emissions to the main stack(s) and engage all of the applicable control devices so as to comply with the emission limits within 4 hours of start of supplying useful thermal energy. You must engage and operate PM control within one hour of first feeding fuels that are not clean fuels*. You must start all applicable control devices as expeditiously as possible, but, in any case, when necessary to comply with other standards applicable to the source by a permit limit or a rule other than this subpart that require operation of the control devices. You must develop and implement a written startup and shutdown plan, as specified in §63.7505(e).

d. You must comply with all applicable emission limits at all times except during startup and shutdown periods at which time you must meet this work practice. You must collect monitoring data during periods of startup, as specified in §63.7535(b). You must keep records during periods of startup. You must provide reports concerning activities and periods of startup, as specified in §63.7555.

*As specified in §63.7555(d)(13), the source may request an alternative timeframe with the PM controls requirement to the permitting authority (state, local, or tribal agency) that has been delegated authority for this subpart by EPA. The source must

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provide evidence that (1) it is unable to safely engage and operate the PM control(s) to meet the "fuel firing + 1 hour" requirement and (2) the PM control device is appropriately designed and sized to meet the filterable PM emission limit. It is acknowledged that there may be another control device that has been installed other than ESP that provides additional PM control (e.g., scrubber).

Item 6: If your unit is an existing or new boiler or process heater subject to emission limits in Tables 1 or 2 or 11 through 13 to this subpart during shutdown, you must meet the following:

a. You must operate all CMS during shutdown.

b. While firing fuels that are not clean fuels during shutdown, you must vent emissions to the main stack(s) and operate all applicable control devices, except limestone injection in FBC boilers, dry scrubber, fabric filter, and SCR but, in any case, when necessary to comply with other standards applicable to the source that require operation of the control device.

c. If, in addition to the fuel used prior to initiation of shutdown, another fuel must be used to support the shutdown process, that additional fuel must be one or a combination of the following clean fuels: Natural gas, synthetic natural gas, propane, other Gas 1 fuels, distillate oil, syngas, ultra-low sulfur diesel, refinery gas, and liquefied petroleum gas.

d. You must comply with all applicable emissions limits at all times except for startup or shutdown periods conforming with this work practice. You must collect monitoring data during periods of shutdown, as specified in § 63.7535(b). You must keep records during periods of shutdown. You must provide reports concerning activities and periods of shutdown, as specified in § 63.7555.

END OF TABLE 3 REQUIREMENTS

(i) [BOILERS COMMENCED CONSTRUCTION BEFORE 6/4/10]

(ii) [BOILERS COMMENCED CONSTRUCTION BEFORE 5/20/11]

(iii) [BOILERS COMMENCED CONSTRUCTION BEFORE 12/23/11]

(2) You must meet each operating limit in Table 4 to this subpart that applies to your boiler or process heater. If you use a control device or combination of control devices not covered in Table 4 to this subpart, or you wish to establish and monitor an alternative operating limit or an alternative monitoring parameter, you must apply to the EPA Administrator for approval of alternative monitoring under §63.8(f).

TABLE 4 REQUIREMENTS: OPERATING LIMITS FOR BOILERS AND PROCESS HEATERS

As stated in § 63.7500, you must comply with the applicable operating limits:

Item 7: When complying with a Table 1, 2, 11, 12, or 13 numerical emission limit using performance testing, You must meet these operating limits: For boilers and process heaters that demonstrate compliance with a performance test, maintain the 30-day rolling average operating load of each unit such that it does not exceed 110 percent of the highest hourly average operating load recorded during the performance test.

Item 8: When complying with a Table 1, 2, 11, 12, or 13 numerical emission limit using oxygen analyzer system, You must meet these operating limits: For boilers and process heaters subject to a CO emission limit that demonstrate compliance with an O₂ analyzer system as specified in § 63.7525(a), maintain the 30-day rolling average oxygen content at or above the lowest hourly average oxygen concentration measured during the CO performance test, as specified in Table 8. This requirement does not apply to units that install an oxygen trim system since these units will set the trim system to the level specified in § 63.7525(a).

Item 9: [SO₂ CEMS NOT APPLICABLE - NO CONTROL DEVICE PRESENT]

END OF TABLE 4 REQUIREMENTS

(3) At all times, you must operate and maintain any affected source (as defined in §63.7490), including associated air

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pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

(b) As provided in §63.6(g), EPA may approve use of an alternative to the work practice standards in this section.

(c) [NA - NOT LIMITED USE BOILERS]

(d) [NA - UNITS GREATER THAN 10 MMBTU]

(e) [NA - UNITS GREATER THAN 10 MMBTU]

(f) These standards apply at all times the affected unit is operating, except during periods of startup and shutdown during which time you must comply only with items 5 and 6 of Table 3 to this subpart.

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7163, Jan. 31, 2013; 80 FR 72807, Nov. 20, 2015]

§63.7501 [Reserved]

General Compliance Requirements

§63.7505 What are my general requirements for complying with this subpart?

(a) You must be in compliance with the emission limits, work practice standards, and operating limits in this subpart. These emission and operating limits apply to you at all times the affected unit is operating except for the periods noted in §63.7500(f).

(b) [Reserved]

(c) You must demonstrate compliance with all applicable emission limits using performance stack testing, fuel analysis, or continuous monitoring systems (CMS), including a continuous emission monitoring system (CEMS), or particulate matter continuous parameter monitoring system (PM CPMS), where applicable. You may demonstrate compliance with the applicable emission limit for hydrogen chloride (HCl), mercury, or total selected metals (TSM) using fuel analysis if the emission rate calculated according to §63.7530(c) is less than the applicable emission limit. (For gaseous fuels, you may not use fuel analyses to comply with the TSM alternative standard or the HCl standard.) Otherwise, you must demonstrate compliance for HCl, mercury, or TSM using performance stack testing, if subject to an applicable emission limit listed in Tables 1, 2, or 11 through 13 to this subpart.

(d) If you demonstrate compliance with any applicable emission limit through performance testing and subsequent compliance with operating limits through the use of CPMS, or with a CEMS or COMS, you must develop a site-specific monitoring plan according to the requirements in paragraphs (d)(1) through (4) of this section for the use of any CEMS, COMS, or CPMS. This requirement also applies to you if you petition the EPA Administrator for alternative monitoring parameters under §63.8(f).

(1) For each CMS required in this section (including CEMS, COMS, or CPMS), you must develop, and submit to the Administrator for approval upon request, a site-specific monitoring plan that addresses design, data collection, and the quality assurance and quality control elements outlined in §63.8(d) and the elements described in paragraphs (d)(1)(i) through (iii) of this section. You must submit this site-specific monitoring plan, if requested, at least 60 days before your initial performance evaluation of your CMS. This requirement to develop and submit a site specific monitoring plan does not apply to affected sources with existing CEMS or COMS operated according to the performance specifications under appendix B to part 60 of this chapter and that meet the requirements of §63.7525. Using the process described in §63.8(f)(4), you may request approval of alternative monitoring system quality assurance and quality control procedures in place of those specified in this paragraph and, if approved, include the alternatives in your site-specific monitoring plan.

(i) Installation of the CMS sampling probe or other interface at a measurement location relative to each affected process unit such that the measurement is representative of control of the exhaust emissions (e.g., on or downstream of the last control

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device);

(ii) Performance and equipment specifications for the sample interface, the pollutant concentration or parametric signal analyzer, and the data collection and reduction systems; and

(iii) Performance evaluation procedures and acceptance criteria (e.g., calibrations, accuracy audits, analytical drift).

(2) In your site-specific monitoring plan, you must also address paragraphs (d)(2)(i) through (iii) of this section.

(i) Ongoing operation and maintenance procedures in accordance with the general requirements of §63.8(c)(1)(ii), (c)(3), and (c)(4)(ii);

(ii) Ongoing data quality assurance procedures in accordance with the general requirements of §63.8(d); and

(iii) Ongoing recordkeeping and reporting procedures in accordance with the general requirements of §63.10(c) (as applicable in Table 10 to this subpart), (e)(1), and (e)(2)(i).

(3) You must conduct a performance evaluation of each CMS in accordance with your site-specific monitoring plan.

(4) You must operate and maintain the CMS in continuous operation according to the site-specific monitoring plan.

(e) If you have an applicable emission limit, and you choose to comply using definition (2) of “startup” in §63.7575, you must develop and implement a written startup and shutdown plan (SSP) according to the requirements in Table 3 to this subpart. The SSP must be maintained onsite and available upon request for public inspection.

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7164, Jan. 31, 2013; 80 FR 72807, Nov. 20, 2015]

TESTING, FUEL ANALYSES, AND INITIAL COMPLIANCE REQUIREMENTS

§63.7510 What are my initial compliance requirements and by what date must I conduct them?

(a) For each boiler or process heater that is required or that you elect to demonstrate compliance with any of the applicable emission limits in Tables 1 or 2 or 11 through 13 of this subpart through performance (stack) testing, your initial compliance requirements include all the following:

(1) Conduct performance tests according to §63.7520 and Table 5 to this subpart.

[TABLE 5 PERFORMANCE TESTING REQUIREMENTS INCORPORATED BY REFERENCE]

(2) Conduct a fuel analysis for each type of fuel burned in your boiler or process heater according to §63.7521 and Table 6 to this subpart, except as specified in paragraphs (a)(2)(i) through (iii) of this section.

[TABLE 6 FUEL ANALYSIS REQUIREMENTS INCORPORATED BY REFERENCE]

(i) For each boiler or process heater that burns a single type of fuel, you are not required to conduct a fuel analysis for each type of fuel burned in your boiler or process heater according to §63.7521 and Table 6 to this subpart. For purposes of this subpart, units that use a supplemental fuel only for startup, unit shutdown, and transient flame stability purposes still qualify as units that burn a single type of fuel, and the supplemental fuel is not subject to the fuel analysis requirements under §63.7521 and Table 6 to this subpart.

(ii) When natural gas, refinery gas, or other gas 1 fuels are co-fired with other fuels, you are not required to conduct a fuel analysis of those Gas 1 fuels according to §63.7521 and Table 6 to this subpart. If gaseous fuels other than natural gas, refinery gas, or other gas 1 fuels are co-fired with other fuels and those non-Gas 1 gaseous fuels are subject to another subpart of this part, part 60, part 61, or part 65, you are not required to conduct a fuel analysis of those non-Gas 1 fuels according to §63.7521 and Table 6 to this subpart.

(iii) You are not required to conduct a chlorine fuel analysis for any gaseous fuels. You must conduct a fuel analysis for

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mercury on gaseous fuels unless the fuel is exempted in paragraphs (a)(2)(i) and (ii) of this section.

(3) Establish operating limits according to §63.7530 and Table 7 to this subpart.

TABLE 7 REQUIREMENTS: ESTABLISHING OPERATING LIMITS

As stated in § 63.7520, you must comply with the following requirements for establishing operating limits:

Item 4: If you have an applicable emission limit for CO for which compliance is demonstrated by a performance test, and your operating limits are based on oxygen, you must establish a unit-specific limit for minimum oxygen level according to § 63.7530(b), using data from the oxygen analyzer system specified in § 63.7525(a), according to the following requirements

- (a) You must collect oxygen data every 15 minutes during the entire period of the performance tests.
- (b) Determine the hourly average oxygen concentration by computing the hourly averages using all of the 15-minute readings taken during each performance test.
- (c) Determine the lowest hourly average established during the performance test as your minimum operating limit.

Item 5: If you have an applicable emission limit for any pollutant for which compliance is demonstrated by a performance test, and your operating limits are based on boiler or process heater operating load, you must Establish a unit specific limit for maximum operating load according to § 63.7520(c), using Data from the operating load monitors or from steam generation monitors, according to the following requirements

- (a) You must collect operating load or steam generation data every 15 minutes during the entire period of the performance test.
- (b) Determine the average operating load by computing the hourly averages using all of the 15-minute readings taken during each performance test.
- (c) Determine the highest hourly average of the three test run averages during the performance test and multiply this by 1.1 (110 percent) as your operating limit.

END OF TABLE 7 REQUIREMENTS

(4) Conduct CMS performance evaluations according to §63.7525.

(b) For each boiler or process heater that you elect to demonstrate compliance with the applicable emission limits in Tables 1 or 2 or 11 through 13 to this subpart for HCl, mercury, or TSM through fuel analysis, your initial compliance requirement is to conduct a fuel analysis for each type of fuel burned in your boiler or process heater according to §63.7521 and Table 6 to this subpart and establish operating limits according to §63.7530 and Table 8 to this subpart. The fuels described in paragraph (a)(2)(i) and (ii) of this section are exempt from these fuel analysis and operating limit requirements. The fuels described in paragraph (a)(2)(ii) of this section are exempt from the chloride fuel analysis and operating limit requirements. Boilers and process heaters that use a CEMS for mercury or HCl are exempt from the performance testing and operating limit requirements specified in paragraph (a) of this section for the HAP for which CEMS are used.

(c) If your boiler or process heater is subject to a carbon monoxide (CO) limit, your initial compliance demonstration for CO is to conduct a performance test for CO according to Table 5 to this subpart or conduct a performance evaluation of your continuous CO monitor, if applicable, according to §63.7525(a). Boilers and process heaters that use a CO CEMS to comply with the applicable alternative CO CEMS emission standard listed in Tables 1, 2, or 11 through 13 to this subpart, as specified in §63.7525(a), are exempt from the initial CO performance testing and oxygen concentration operating limit requirements specified in paragraph (a) of this section.

(d) If your boiler or process heater is subject to a PM limit, your initial compliance demonstration for PM is to conduct a performance test in accordance with §63.7520 and Table 5 to this subpart.

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(e) For existing affected sources (as defined in §63.7490), you must complete the initial compliance demonstrations, as specified in paragraphs (a) through (d) of this section, no later than 180 days after the compliance date that is specified for your source in §63.7495 and according to the applicable provisions in §63.7(a)(2) as cited in Table 10 to this subpart, except as specified in paragraph (j) of this section. You must complete an initial tune-up by following the procedures described in §63.7540(a)(10)(i) through (vi) no later than the compliance date specified in §63.7495, except as specified in paragraph (j) of this section. You must complete the one-time energy assessment specified in Table 3 to this subpart no later than the compliance date specified in §63.7495.

(f) For new or reconstructed affected sources (as defined in §63.7490), you must complete the initial compliance demonstration with the emission limits no later than July 30, 2013 or within 180 days after startup of the source, whichever is later. If you are demonstrating compliance with an emission limit in Tables 11 through 13 to this subpart that is less stringent (that is, higher) than the applicable emission limit in Table 1 to this subpart, you must demonstrate compliance with the applicable emission limit in Table 1 no later than July 29, 2016.

(g) For new or reconstructed affected sources (as defined in §63.7490), you must demonstrate initial compliance with the applicable work practice standards in Table 3 to this subpart within the applicable annual, biennial, or 5-year schedule as specified in §63.7515(d) following the initial compliance date specified in §63.7495(a). Thereafter, you are required to complete the applicable annual, biennial, or 5-year tune-up as specified in §63.7515(d).

(h) [NA – SOURCES IN THIS GROUP HAVE NOT BURNED SOLID WASTE]

(i) [NA – NO EGU'S]

(j) For existing affected sources (as defined in §63.7490) that have not operated between the effective date of the rule and the compliance date that is specified for your source in §63.7495, you must complete the initial compliance demonstration, if subject to the emission limits in Table 2 to this subpart, as specified in paragraphs (a) through (d) of this section, no later than 180 days after the re-start of the affected source and according to the applicable provisions in §63.7(a)(2) as cited in Table 10 to this subpart. You must complete an initial tune-up by following the procedures described in §63.7540(a)(10)(i) through (vi) no later than 30 days after the re-start of the affected source and, if applicable, complete the one-time energy assessment specified in Table 3 to this subpart, no later than the compliance date specified in §63.7495.

(k) For affected sources, as defined in §63.7490, that switch subcategories consistent with §63.7545(h) after the initial compliance date, you must demonstrate compliance within 60 days of the effective date of the switch, unless you had previously conducted your compliance demonstration for this subcategory within the previous 12 months.

[78 FR 7164, Jan. 31, 2013, as amended at 80 FR 72808, Nov. 20, 2015]

§63.7515 When must I conduct subsequent performance tests, fuel analyses, or tune-ups?

(a) You must conduct all applicable performance tests according to §63.7520 on an annual basis, except as specified in paragraphs (b) through (e), (g), and (h) of this section. Annual performance tests must be completed no more than 13 months after the previous performance test, except as specified in paragraphs (b) through (e), (g), and (h) of this section.

(b) If your performance tests for a given pollutant for at least 2 consecutive years show that your emissions are at or below 75 percent of the emission limit (or, in limited instances as specified in Tables 1 and 2 or 11 through 13 to this subpart, at or below the emission limit) for the pollutant, and if there are no changes in the operation of the individual boiler or process heater or air pollution control equipment that could increase emissions, you may choose to conduct performance tests for the pollutant every third year. Each such performance test must be conducted no more than 37 months after the previous performance test. If you elect to demonstrate compliance using emission averaging under §63.7522, you must continue to conduct performance tests annually. The requirement to test at maximum chloride input level is waived unless the stack test is conducted for HCl. The requirement to test at maximum mercury input level is waived unless the stack test is conducted for mercury. The requirement to test at maximum TSM input level is waived unless the stack test is conducted for TSM.

(c) If a performance test shows emissions exceeded the emission limit or 75 percent of the emission limit (as specified in Tables 1 and 2 or 11 through 13 to this subpart) for a pollutant, you must conduct annual performance tests for that pollutant until all performance tests over a consecutive 2-year period meet the required level (at or below 75 percent of the emission

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limit, as specified in Tables 1 and 2 or 11 through 13 to this subpart).

(d) If you are required to meet an applicable tune-up work practice standard, you must conduct an annual, biennial, or 5-year performance tune-up according to §63.7540(a)(10), (11), or (12), respectively. Each annual tune-up specified in §63.7540(a)(10) must be no more than 13 months after the previous tune-up. Each biennial tune-up specified in §63.7540(a)(11) must be conducted no more than 25 months after the previous tune-up. Each 5-year tune-up specified in §63.7540(a)(12) must be conducted no more than 61 months after the previous tune-up. For a new or reconstructed affected source (as defined in §63.7490), the first annual, biennial, or 5-year tune-up must be no later than 13 months, 25 months, or 61 months, respectively, after April 1, 2013 or the initial startup of the new or reconstructed affected source, whichever is later.

(e) If you demonstrate compliance with the mercury, HCl, or TSM based on fuel analysis, you must conduct a monthly fuel analysis according to §63.7521 for each type of fuel burned that is subject to an emission limit in Tables 1, 2, or 11 through 13 to this subpart. You may comply with this monthly requirement by completing the fuel analysis any time within the calendar month as long as the analysis is separated from the previous analysis by at least 14 calendar days. If you burn a new type of fuel, you must conduct a fuel analysis before burning the new type of fuel in your boiler or process heater. You must still meet all applicable continuous compliance requirements in §63.7540. If each of 12 consecutive monthly fuel analyses demonstrates 75 percent or less of the compliance level, you may decrease the fuel analysis frequency to quarterly for that fuel. If any quarterly sample exceeds 75 percent of the compliance level or you begin burning a new type of fuel, you must return to monthly monitoring for that fuel, until 12 months of fuel analyses are again less than 75 percent of the compliance level. If sampling is conducted on one day per month, samples should be no less than 14 days apart, but if multiple samples are taken per month, the 14-day restriction does not apply.

(f) You must report the results of performance tests and the associated fuel analyses within 60 days after the completion of the performance tests. This report must also verify that the operating limits for each boiler or process heater have not changed or provide documentation of revised operating limits established according to §63.7530 and Table 7 to this subpart, as applicable. The reports for all subsequent performance tests must include all applicable information required in §63.7550.

(g) For affected sources (as defined in §63.7490) that have not operated since the previous compliance demonstration and more than one year has passed since the previous compliance demonstration, you must complete the subsequent compliance demonstration, if subject to the emission limits in Tables 1, 2, or 11 through 13 to this subpart, no later than 180 days after the re-start of the affected source and according to the applicable provisions in §63.7(a)(2) as cited in Table 10 to this subpart. You must complete a subsequent tune-up by following the procedures described in §63.7540(a)(10)(i) through (vi) and the schedule described in §63.7540(a)(13) for units that are not operating at the time of their scheduled tune-up.

(h) If your affected boiler or process heater is in the unit designed to burn light liquid subcategory and you combust ultra-low sulfur liquid fuel, you do not need to conduct further performance tests (stack tests or fuel analyses) if the pollutants measured during the initial compliance performance tests meet the emission limits in Tables 1 or 2 of this subpart providing you demonstrate ongoing compliance with the emissions limits by monitoring and recording the type of fuel combusted on a monthly basis. If you intend to use a fuel other than ultra-low sulfur liquid fuel, natural gas, refinery gas, or other gas 1 fuel, you must conduct new performance tests within 60 days of burning the new fuel type.

(i) [NA – NO CO CEMS]

[78 FR 7165, Jan. 31, 2013, as amended at 80 FR 72808, Nov. 20, 2015]

§63.7520 What stack tests and procedures must I use?

(a) You must conduct all performance tests according to §63.7(c), (d), (f), and (h). You must also develop a site-specific stack test plan according to the requirements in §63.7(c). You shall conduct all performance tests under such conditions as the Administrator specifies to you based on the representative performance of each boiler or process heater for the period being tested. Upon request, you shall make available to the Administrator such records as may be necessary to determine the conditions of the performance tests.

(b) You must conduct each performance test according to the requirements in Table 5 to this subpart.

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(c) You must conduct each performance test under the specific conditions listed in Tables 5 and 7 to this subpart. You must conduct performance tests at representative operating load conditions while burning the type of fuel or mixture of fuels that has the highest content of chlorine and mercury, and TSM if you are opting to comply with the TSM alternative standard and you must demonstrate initial compliance and establish your operating limits based on these performance tests. These requirements could result in the need to conduct more than one performance test. Following each performance test and until the next performance test, you must comply with the operating limit for operating load conditions specified in Table 4 to this subpart.

(d) You must conduct a minimum of three separate test runs for each performance test required in this section, as specified in §63.7(e)(3). Each test run must comply with the minimum applicable sampling times or volumes specified in Tables 1 and 2 or 11 through 13 to this subpart.

(e) To determine compliance with the emission limits, you must use the F-Factor methodology and equations in sections 12.2 and 12.3 of EPA Method 19 at 40 CFR part 60, appendix A-7 of this chapter to convert the measured particulate matter (PM) concentrations, the measured HCl concentrations, the measured mercury concentrations, and the measured TSM concentrations that result from the performance test to pounds per million Btu heat input emission rates.

(f) Except for a 30-day rolling average based on CEMS (or sorbent trap monitoring system) data, if measurement results for any pollutant are reported as below the method detection level (e.g., laboratory analytical results for one or more sample components are below the method defined analytical detection level), you must use the method detection level as the measured emissions level for that pollutant in calculating compliance. The measured result for a multiple component analysis (e.g., analytical values for multiple Method 29 fractions both for individual HAP metals and for total HAP metals) may include a combination of method detection level data and analytical data reported above the method detection level.

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7166, Jan. 31, 2013]

§63.7521 What fuel analyses, fuel specification, and procedures must I use?

(a) For solid and liquid fuels, you must conduct fuel analyses for chloride and mercury according to the procedures in paragraphs (b) through (e) of this section and Table 6 to this subpart, as applicable. For solid fuels and liquid fuels, you must also conduct fuel analyses for TSM if you are opting to comply with the TSM alternative standard. For gas 2 (other) fuels, you must conduct fuel analyses for mercury according to the procedures in paragraphs (b) through (e) of this section and Table 6 to this subpart, as applicable. (For gaseous fuels, you may not use fuel analyses to comply with the TSM alternative standard or the HCl standard.) For purposes of complying with this section, a fuel gas system that consists of multiple gaseous fuels collected and mixed with each other is considered a single fuel type and sampling and analysis is only required on the combined fuel gas system that will feed the boiler or process heater. Sampling and analysis of the individual gaseous streams prior to combining is not required. You are not required to conduct fuel analyses for fuels used for only startup, unit shutdown, and transient flame stability purposes. You are required to conduct fuel analyses only for fuels and units that are subject to emission limits for mercury, HCl, or TSM in Tables 1 and 2 or 11 through 13 to this subpart. Gaseous and liquid fuels are exempt from the sampling requirements in paragraphs (c) and (d) of this section.

(b) You must develop a site-specific fuel monitoring plan according to the following procedures and requirements in paragraphs (b)(1) and (2) of this section, if you are required to conduct fuel analyses as specified in §63.7510.

(1) If you intend to use an alternative analytical method other than those required by Table 6 to this subpart, you must submit the fuel analysis plan to the Administrator for review and approval no later than 60 days before the date that you intend to conduct the initial compliance demonstration described in §63.7510.

(2) You must include the information contained in paragraphs (b)(2)(i) through (vi) of this section in your fuel analysis plan.

(i) The identification of all fuel types anticipated to be burned in each boiler or process heater.

(ii) For each anticipated fuel type, the notification of whether you or a fuel supplier will be conducting the fuel analysis.

(iii) For each anticipated fuel type, a detailed description of the sample location and specific procedures to be used for

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collecting and preparing the composite samples if your procedures are different from paragraph (c) or (d) of this section. Samples should be collected at a location that most accurately represents the fuel type, where possible, at a point prior to mixing with other dissimilar fuel types.

(iv) For each anticipated fuel type, the analytical methods from Table 6, with the expected minimum detection levels, to be used for the measurement of chlorine or mercury.

(v) If you request to use an alternative analytical method other than those required by Table 6 to this subpart, you must also include a detailed description of the methods and procedures that you are proposing to use. Methods in Table 6 shall be used until the requested alternative is approved.

(vi) If you will be using fuel analysis from a fuel supplier in lieu of site-specific sampling and analysis, the fuel supplier must use the analytical methods required by Table 6 to this subpart.

(c) You must obtain composite fuel samples for each fuel type according to the procedures in paragraph (c)(1) or (2) of this section, or the methods listed in Table 6 to this subpart, or use an automated sampling mechanism that provides representative composite fuel samples for each fuel type that includes both coarse and fine material. At a minimum, for demonstrating initial compliance by fuel analysis, you must obtain three composite samples. For monthly fuel analyses, at a minimum, you must obtain a single composite sample. For fuel analyses as part of a performance stack test, as specified in §63.7510(a), you must obtain a composite fuel sample during each performance test run.

(1) [NA - SOLID FUELS NOT USED]

(2) [NA - SOLID FUELS NOT USED]

(d) [NA - SOLID FUELS NOT USED]

(e) You must determine the concentration of pollutants in the fuel (mercury and/or chlorine and/or TSM) in units of pounds per million Btu of each composite sample for each fuel type according to the procedures in Table 6 to this subpart, for use in Equations 7, 8, and 9 of this subpart.

(f) [NA - NO GASEOUS FUEL USED OTHER THAN NATURAL GAS]

(1) You are not required to conduct the fuel specification analyses in paragraphs (g) through (i) of this section for natural gas or refinery gas.

(2) - (4) [NA - NO GASEOUS FUEL USED OTHER THAN NATURAL GAS]

(g) [NA - NO GASEOUS FUEL USED OTHER THAN NATURAL GAS]

(h) [NA - NO GASEOUS FUEL USED OTHER THAN NATURAL GAS]

(i) [NA - NO GASEOUS FUEL USED OTHER THAN NATURAL GAS]

[78 FR 7167, Jan. 31, 2013, as amended at 80 FR 72808, Nov. 20, 2015]

§63.7522 Can I use emissions averaging to comply with this subpart?

(a) - (k) [NA - EMISSIONS AVERAGING NOT ELECTED]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7168, Jan. 31, 2013; 80 FR 72809, Nov. 20, 2015]

§63.7525 What are my monitoring, installation, operation, and maintenance requirements?

(a) If your boiler or process heater is subject to a CO emission limit in Tables 1, 2, or 11 through 13 to this subpart, you must install, operate, and maintain an oxygen analyzer system, as defined in §63.7575, or install, certify, operate and maintain continuous emission monitoring systems for CO and oxygen (or carbon dioxide (CO₂)) according to the

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procedures in paragraphs (a)(1) through (6) of this section.

(1) Install the CO CEMS and oxygen (or CO₂) analyzer by the compliance date specified in §63.7495. The CO and oxygen (or CO₂) levels shall be monitored at the same location at the outlet of the boiler or process heater. An owner or operator may request an alternative test method under §63.7 of this chapter, in order that compliance with the CO emissions limit be determined using CO₂ as a diluent correction in place of oxygen at 3 percent. EPA Method 19 F-factors and EPA Method 19 equations must be used to generate the appropriate CO₂ correction percentage for the fuel type burned in the unit, and must also take into account that the 3 percent oxygen correction is to be done on a dry basis. The alternative test method request must account for any CO₂ being added to, or removed from, the emissions gas stream as a result of limestone injection, scrubber media, etc.

(2) [NA - CO CEMS NOT ELECTED]

(3) [NA - CO CEMS NOT ELECTED]

(4) [NA - CO CEMS NOT ELECTED]

(5) [NA - CO CEMS NOT ELECTED]

(6) [NA - CO CEMS NOT ELECTED]

(7) Operate an oxygen trim system with the oxygen level set no lower than the lowest hourly average oxygen concentration measured during the most recent CO performance test as the operating limit for oxygen according to Table 7 to this subpart.

(b) [NA - UNIT(S) LESS THAN 250 MMBTU; PM CEMS NOT REQUIRED]

(c) [NA - NO APPLICABLE 5D OPACITY LIMIT]

(d) If you have an operating limit that requires the use of a CMS other than a PM CPMS or COMS, you must install, operate, and maintain each CMS according to the procedures in paragraphs (d)(1) through (5) of this section by the compliance date specified in §63.7495.

(1) The CPMS must complete a minimum of one cycle of operation every 15-minutes. You must have a minimum of four successive cycles of operation, one representing each of the four 15-minute periods in an hour, to have a valid hour of data.

(2) You must operate the monitoring system as specified in §63.7535(b), and comply with the data calculation requirements specified in §63.7535(c).

(3) Any 15-minute period for which the monitoring system is out-of-control and data are not available for a required calculation constitutes a deviation from the monitoring requirements. Other situations that constitute a monitoring deviation are specified in §63.7535(d).

(4) You must determine the 30-day rolling average of all recorded readings, except as provided in §63.7535(c).

(5) You must record the results of each inspection, calibration, and validation check.

(e) [NA - NO FLOW MONITORING SYSTEM]

(f) [NA - NO PRESSURE MONITORING SYSTEM]

(g) [NA - NO PH MONITORING SYSTEM]

(h) [NA - NO ESP]

(i) [NA - NO SORBENT INJECTION MONITORING SYSTEM]

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(j) [NA - NO BAG LEAK DETECTION SYSTEM]

(k) [NA - UNIT(S) NOT LIMITED USE]

(l) [NA - NO MERCURY OR HCL CEMS]

(m) [NA - NO SO2 CEMS]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7171, Jan. 31, 2013; 80 FR 72810, Nov. 20, 2015]

002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7480]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What is the purpose of this subpart?**

§ 63.7530 How do I demonstrate initial compliance with the emission limitations, fuel specifications and work practice standards?

(a) You must demonstrate initial compliance with each emission limit that applies to you by conducting initial performance tests and fuel analyses and establishing operating limits, as applicable, according to § 63.7520, paragraphs (b) and (c) of this section, and Tables 5 and 7 to this subpart. The requirement to conduct a fuel analysis is not applicable for units that burn a single type of fuel, as specified by § 63.7510(a)(2). If applicable, you must also install, operate, and maintain all applicable CMS (including CEMS, COMS, and CPMS) according to § 63.7525.

(b) If you demonstrate compliance through performance stack testing, you must establish each site-specific operating limit in Table 4 to this subpart that applies to you according to the requirements in § 63.7520, Table 7 to this subpart, and paragraph (b)(4) of this section, as applicable. You must also conduct fuel analyses according to § 63.7521 and establish maximum fuel pollutant input levels according to paragraphs (b)(1) through (3) of this section, as applicable, and as specified in § 63.7510(a)(2). (Note that § 63.7510(a)(2) exempts certain fuels from the fuel analysis requirements.) However, if you switch fuel(s) and cannot show that the new fuel(s) does (do) not increase the chlorine, mercury, or TSM input into the unit through the results of fuel analysis, then you must repeat the performance test to demonstrate compliance while burning the new fuel(s).

(1) You must establish the maximum chlorine fuel input (C_{input}) during the initial fuel analysis according to the procedures in paragraphs (b)(1)(i) through (iii) of this section.

(i) You must determine the fuel type or fuel mixture that you could burn in your boiler or process heater that has the highest content of chlorine.

(ii) During the fuel analysis for hydrogen chloride, you must determine the fraction of the total heat input for each fuel type burned (Q_i) based on the fuel mixture that has the highest content of chlorine, and the average chlorine concentration of each fuel type burned (C_i).

(iii) You must establish a maximum chlorine input level using Equation 7 of this section.

[SEE REGULATION FOR EQUATION 7]

(2) You must establish the maximum mercury fuel input level (Mercury_{input}) during the initial fuel analysis using the procedures in paragraphs (b)(2)(i) through (iii) of this section.

(i) You must determine the fuel type or fuel mixture that you could burn in your boiler or process heater that has the highest content of mercury.

(ii) During the compliance demonstration for mercury, you must determine the fraction of total heat input for each fuel burned (Q_i) based on the fuel mixture that has the highest content of mercury, and the average mercury concentration of each fuel type burned (H_{G_i}).

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(iii) You must establish a maximum mercury input level using Equation 8 of this section.

[SEE REGULATION FOR EQUATION 8]

(3) If you opt to comply with the alternative TSM limit, you must establish the maximum TSM fuel input (TSM_{input}) for solid or liquid fuels during the initial fuel analysis according to the procedures in paragraphs (b)(3)(i) through (iii) of this section.

(i) You must determine the fuel type or fuel mixture that you could burn in your boiler or process heater that has the highest content of TSM.

(ii) During the fuel analysis for TSM, you must determine the fraction of the total heat input for each fuel type burned (Q_i) based on the fuel mixture that has the highest content of TSM, and the average TSM concentration of each fuel type burned (TSM_i).

(iii) You must establish a maximum TSM input level using Equation 9 of this section.

[SEE REGULATION FOR EQUATION 9]

(4) You must establish parameter operating limits according to paragraphs (b)(4)(i) through (ix) of this section. As indicated in Table 4 to this subpart, you are not required to establish and comply with the operating parameter limits when you are using a CEMS to monitor and demonstrate compliance with the applicable emission limit for that control device parameter.

(i) [NA - NO SCRUBBER]

(ii) [NA - NO PM CPMS]

(iii) [NA - NO PM WET SCRUBBER]

(iv) [NA - NO ESP]

(v) [NA - NO DRY SCRUBBER]

(vi) [NA - NO CARBON INJECTION]

(vii) [NA - NO BAG LEAK DETECTORS]

(viii) For a minimum oxygen level, if you conduct multiple performance tests, you must set the minimum oxygen level at the lower of the minimum values established during the performance tests.

(ix) [NA - NO SO₂ CEMS]

(c) If you elect to demonstrate compliance with an applicable emission limit through fuel analysis, you must conduct fuel analyses according to § 63.7521 and follow the procedures in paragraphs (c)(1) through (5) of this section.

(1) If you burn more than one fuel type, you must determine the fuel mixture you could burn in your boiler or process heater that would result in the maximum emission rates of the pollutants that you elect to demonstrate compliance through fuel analysis.

(2) You must determine the 90th percentile confidence level fuel pollutant concentration of the composite samples analyzed for each fuel type using the one-sided t-statistic test described in Equation 15 of this section.

[SEE REGULATION FOR EQUATION 15]

(3) To demonstrate compliance with the applicable emission limit for HCl, the HCl emission rate that you calculate for your boiler or process heater using Equation 16 of this section must not exceed the applicable emission limit for HCl.

[SEE REGULATION FOR EQUATION 16]

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(4) To demonstrate compliance with the applicable emission limit for mercury, the mercury emission rate that you calculate for your boiler or process heater using Equation 17 of this section must not exceed the applicable emission limit for mercury.

[SEE REGULATION FOR EQUATION 17]

(5) To demonstrate compliance with the applicable emission limit for TSM for solid or liquid fuels, the TSM emission rate that you calculate for your boiler or process heater from solid fuels using Equation 18 of this section must not exceed the applicable emission limit for TSM.

[SEE REGULATION FOR EQUATION 18]

(d) [Reserved]

(e) You must include with the Notification of Compliance Status a signed certification that either the energy assessment was completed according to Table 3 to this subpart, and that the assessment is an accurate depiction of your facility at the time of the assessment, or that the maximum number of on-site technical hours specified in the definition of energy assessment applicable to the facility has been expended.

(f) You must submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in § 63.7545(e).

(g) [NA - NO GASEOUS FUEL USED OTHER THAN NATURAL GAS]

(h) If you own or operate a unit subject to emission limits in Tables 1 or 2 or 11 through 13 to this subpart, you must meet the work practice standard according to Table 3 of this subpart. During startup and shutdown, you must only follow the work practice standards according to item 5 of Table 3 of this subpart.

(i) [NA- NO SCRUBBER]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7174, Jan. 31, 2013]

§ 63.7533 Can I use efficiency credits earned from implementation of energy conservation measures to comply with this subpart?

[NA - NOT ELECTED TO USE THE ALTERNATIVE EQUIVALENT OUTPUT-BASED EMISSION LIMITS]

Continuous Compliance Requirements

§ 63.7535 Is there a minimum amount of monitoring data I must obtain?

(a) You must monitor and collect data according to this section and the site-specific monitoring plan required by § 63.7505(d).

(b) You must operate the monitoring system and collect data at all required intervals at all times that each boiler or process heater is operating and compliance is required, except for periods of monitoring system malfunctions or out-of-control periods (see § 63.8(c)(7) of this part), and required monitoring system quality assurance or control activities, including, as applicable, calibration checks, required zero and span adjustments, and scheduled CMS maintenance as defined in your site-specific monitoring plan. A monitoring system malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring system to provide valid data. Monitoring system failures that are caused in part by poor maintenance or careless operation are not malfunctions. You are required to complete monitoring system repairs in response to monitoring system malfunctions or out-of-control periods and to return the monitoring system to operation as expeditiously as practicable.

(c) You may not use data recorded during periods of startup and shutdown, monitoring system malfunctions or out-of-control periods, repairs associated with monitoring system malfunctions or out-of-control periods, or required monitoring system quality assurance or control activities in data averages and calculations used to report emissions or operating

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levels. You must record and make available upon request results of CMS performance audits and dates and duration of periods when the CMS is out of control to completion of the corrective actions necessary to return the CMS to operation consistent with your site-specific monitoring plan. You must use all the data collected during all other periods in assessing compliance and the operation of the control device and associated control system.

(d) Except for periods of monitoring system malfunctions, repairs associated with monitoring system malfunctions, and required monitoring system quality assurance or quality control activities (including, as applicable, system accuracy audits, calibration checks, and required zero and span adjustments), failure to collect required data is a deviation of the monitoring requirements. In calculating monitoring results, do not use any data collected during periods of startup and shutdown, when the monitoring system is out of control as specified in your site-specific monitoring plan, while conducting repairs associated with periods when the monitoring system is out of control, or while conducting required monitoring system quality assurance or quality control activities. You must calculate monitoring results using all other monitoring data collected while the process is operating. You must report all periods when the monitoring system is out of control in your semi-annual report.

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7179, Jan. 31, 2013]

§ 63.7540 How do I demonstrate continuous compliance with the emission limitations, fuel specifications and work practice standards?

(a) You must demonstrate continuous compliance with each emission limit in Tables 1 and 2 or 11 through 13 to this subpart, the work practice standards in Table 3 to this subpart, and the operating limits in Table 4 to this subpart that applies to you according to the methods specified in Table 8 to this subpart and paragraphs (a)(1) through (19) of this section.

TABLE 8 REQUIREMENTS: DEMONSTRATING CONTINUOUS COMPLIANCE

As stated in § 63.7540, you must show continuous compliance with the emission limitations for each boiler or process heater according to the following:

Item 8: If you must meet the following operating limits or work practice standards: Emission limits using fuel analysis, You must demonstrate continuous compliance by:

- a. Conduct monthly fuel analysis for HCl or mercury or TSM according to Table 6 to this subpart; and
- b. Reduce the data to 12-month rolling averages; and
- c. Maintain the 12-month rolling average at or below the applicable emission limit for HCl or mercury or TSM in Tables 1 and 2 or 11 through 13 to this subpart.

Item 9: If you must meet the following operating limits or work practice standards: Oxygen content, You must demonstrate continuous compliance by:

- a. Continuously monitor the oxygen content using an oxygen analyzer system according to § 63.7525(a). This requirement does not apply to units that install an oxygen trim system since these units will set the trim system to the level specified in § 63.7525(a)(2).
- b. Reducing the data to 30-day rolling averages; and
- c. Maintain the 30-day rolling average oxygen content at or above the lowest hourly average oxygen level measured during the most recent CO performance test

Item 10: If you must meet the following operating limits or work practice standards: Boiler or process heater operating load, You must demonstrate continuous compliance by:

- a. Collecting operating load data or steam generation data every 15 minutes.

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b. Maintaining the operating load such that it does not exceed 110 percent of the highest hourly average operating load recorded during the most recent performance test according to § 63.7520(c).

END OF TABLE 8 REQUIREMENTS

(1) Following the date on which the initial compliance demonstration is completed or is required to be completed under §§ 63.7 and 63.7510, whichever date comes first, operation above the established maximum or below the established minimum operating limits shall constitute a deviation of established operating limits listed in Table 4 of this subpart except during performance tests conducted to determine compliance with the emission limits or to establish new operating limits. Operating limits must be confirmed or reestablished during performance tests.

(2) As specified in § 63.7555(d), you must keep records of the type and amount of all fuels burned in each boiler or process heater during the reporting period to demonstrate that all fuel types and mixtures of fuels burned would result in either of the following:

(i) Equal to or lower emissions of HCl, mercury, and TSM than the applicable emission limit for each pollutant, if you demonstrate compliance through fuel analysis.

(ii) Equal to or lower fuel input of chlorine, mercury, and TSM than the maximum values calculated during the last performance test, if you demonstrate compliance through performance testing.

(3) If you demonstrate compliance with an applicable HCl emission limit through fuel analysis for a solid or liquid fuel and you plan to burn a new type of solid or liquid fuel, you must recalculate the HCl emission rate using Equation 16 of § 63.7530 according to paragraphs (a)(3)(i) through (iii) of this section. You are not required to conduct fuel analyses for the fuels described in § 63.7510(a)(2)(i) through (iii). You may exclude the fuels described in § 63.7510(a)(2)(i) through (iii) when recalculating the HCl emission rate.

(i) You must determine the chlorine concentration for any new fuel type in units of pounds per million Btu, based on supplier data or your own fuel analysis, according to the provisions in your site-specific fuel analysis plan developed according to § 63.7521(b).

(ii) You must determine the new mixture of fuels that will have the highest content of chlorine.

(iii) Recalculate the HCl emission rate from your boiler or process heater under these new conditions using Equation 16 of § 63.7530. The recalculated HCl emission rate must be less than the applicable emission limit.

(4) If you demonstrate compliance with an applicable HCl emission limit through performance testing and you plan to burn a new type of fuel or a new mixture of fuels, you must recalculate the maximum chlorine input using Equation 7 of § 63.7530. If the results of recalculating the maximum chlorine input using Equation 7 of § 63.7530 are greater than the maximum chlorine input level established during the previous performance test, then you must conduct a new performance test within 60 days of burning the new fuel type or fuel mixture according to the procedures in § 63.7520 to demonstrate that the HCl emissions do not exceed the emission limit. You must also establish new operating limits based on this performance test according to the procedures in § 63.7530(b). In recalculating the maximum chlorine input and establishing the new operating limits, you are not required to conduct fuel analyses for and include the fuels described in § 63.7510(a)(2)(i) through (iii).

(5) If you demonstrate compliance with an applicable mercury emission limit through fuel analysis, and you plan to burn a new type of fuel, you must recalculate the mercury emission rate using Equation 17 of § 63.7530 according to the procedures specified in paragraphs (a)(5)(i) through (iii) of this section. You are not required to conduct fuel analyses for the fuels described in § 63.7510(a)(2)(i) through (iii). You may exclude the fuels described in § 63.7510(a)(2)(i) through (iii) when recalculating the mercury emission rate.

(i) You must determine the mercury concentration for any new fuel type in units of pounds per million Btu, based on supplier data or your own fuel analysis, according to the provisions in your site-specific fuel analysis plan developed according to § 63.7521(b).

(ii) You must determine the new mixture of fuels that will have the highest content of mercury.

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- (iii) Recalculate the mercury emission rate from your boiler or process heater under these new conditions using Equation 17 of § 63.7530. The recalculated mercury emission rate must be less than the applicable emission limit.
- (6) If you demonstrate compliance with an applicable mercury emission limit through performance testing, and you plan to burn a new type of fuel or a new mixture of fuels, you must recalculate the maximum mercury input using Equation 8 of § 63.7530. If the results of recalculating the maximum mercury input using Equation 8 of § 63.7530 are higher than the maximum mercury input level established during the previous performance test, then you must conduct a new performance test within 60 days of burning the new fuel type or fuel mixture according to the procedures in § 63.7520 to demonstrate that the mercury emissions do not exceed the emission limit. You must also establish new operating limits based on this performance test according to the procedures in § 63.7530(b). You are not required to conduct fuel analyses for the fuels described in § 63.7510(a)(2)(i) through (iii). You may exclude the fuels described in § 63.7510(a)(2)(i) through (iii) when recalculating the mercury emission rate.
- (7) [NA - NO BAG LEAK DETECTORS]
- (8) [NA - CO CEMS NOT USED]
- (9) [NA - NO PM CPMS]
- (10) If your boiler or process heater has a heat input capacity of 10 million Btu per hour or greater, you must conduct an annual tune-up of the boiler or process heater to demonstrate continuous compliance as specified in paragraphs (a)(10)(i) through (vi) of this section. You must conduct the tune-up while burning the type of fuel (or fuels in case of units that routinely burn a mixture) that provided the majority of the heat input to the boiler or process heater over the 12 months prior to the tune-up. This frequency does not apply to limited-use boilers and process heaters, as defined in § 63.7575, or units with continuous oxygen trim systems that maintain an optimum air to fuel ratio.
- (i) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may perform the burner inspection any time prior to the tune-up or delay the burner inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the burner inspection until the first outage, not to exceed 36 months from the previous inspection. At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment;
- (ii) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;
- (iii) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (you may delay the inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the inspection until the first outage, not to exceed 36 months from the previous inspection;
- (iv) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NOX requirement to which the unit is subject;
- (v) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer; and
- (vi) Maintain on-site and submit, if requested by the Administrator, a report containing the information in paragraphs (a)(10)(vi)(A) through (C) of this section,
- (A) The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater;
- (B) A description of any corrective actions taken as a part of the tune-up; and
- (C) The type and amount of fuel used over the 12 months prior to the tune-up, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel used by

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each unit.

(11) [NA - UNIT(S) GREATER THAN 10 MMBTU]

(12) [NA - UNIT(S) GREATER THAN 10 MMBTU]

(13) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup.

(14) [NA - MERCURY CEMS NOT ELECTED]

(15) [NA - HCL CEMS NOT ELECTED]

(16) If you demonstrate compliance with an applicable TSM emission limit through performance testing, and you plan to burn a new type of fuel or a new mixture of fuels, you must recalculate the maximum TSM input using Equation 9 of § 63.7530. If the results of recalculating the maximum TSM input using Equation 9 of § 63.7530 are higher than the maximum total selected input level established during the previous performance test, then you must conduct a new performance test within 60 days of burning the new fuel type or fuel mixture according to the procedures in § 63.7520 to demonstrate that the TSM emissions do not exceed the emission limit. You must also establish new operating limits based on this performance test according to the procedures in § 63.7530(b). You are not required to conduct fuel analyses for the fuels described in § 63.7510(a)(2)(i) through (iii). You may exclude the fuels described in § 63.7510(a)(2)(i) through (iii) when recalculating the TSM emission rate.

(17) If you demonstrate compliance with an applicable TSM emission limit through fuel analysis for solid or liquid fuels, and you plan to burn a new type of fuel, you must recalculate the TSM emission rate using Equation 18 of § 63.7530 according to the procedures specified in paragraphs (a)(5)(i) through (iii) of this section. You are not required to conduct fuel analyses for the fuels described in § 63.7510(a)(2)(i) through (iii). You may exclude the fuels described in § 63.7510(a)(2)(i) through (iii) when recalculating the TSM emission rate.

(i) You must determine the TSM concentration for any new fuel type in units of pounds per million Btu, based on supplier data or your own fuel analysis, according to the provisions in your site-specific fuel analysis plan developed according to § 63.7521(b).

(ii) You must determine the new mixture of fuels that will have the highest content of TSM.

(iii) Recalculate the TSM emission rate from your boiler or process heater under these new conditions using Equation 18 of § 63.7530. The recalculated TSM emission rate must be less than the applicable emission limit.

(18) [NA - NO PM CPMS]

(19) [NA - PM CEMS NOT ELECTED]

(b) You must report each instance in which you did not meet each emission limit and operating limit in Tables 1 through 4 or 11 through 13 to this subpart that apply to you. These instances are deviations from the emission limits or operating limits, respectively, in this subpart. These deviations must be reported according to the requirements in § 63.7550.

(c) [NA - FUEL SAMPLING NOT REQUIRED FOR NATURAL GAS FUEL]

(d) For startup and shutdown, you must meet the work practice standards according to items 5 and 6 of Table 3 of this subpart.

[78 FR 7179, Jan. 31, 2013]

§ 63.7541 How do I demonstrate continuous compliance under the emissions averaging provision?

[NA - EMISSION AVERAGING NOT ELECTED]

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Notification, Reports, and Records

§ 63.7545 What notifications must I submit and when?

- (a) You must submit to the Administrator all of the notifications in §§ 63.7(b) and (c), 63.8(e), (f)(4) and (6), and 63.9(b) through (h) that apply to you by the dates specified.
- (b) As specified in § 63.9(b)(2), if you startup your affected source before January 31, 2013, you must submit an Initial Notification not later than 120 days after January 31, 2013.
- (c) [NA - UNIT(S) ARE EXISTING]
- (d) If you are required to conduct a performance test you must submit a Notification of Intent to conduct a performance test at least 60 days before the performance test is scheduled to begin.
- (e) If you are required to conduct an initial compliance demonstration as specified in § 63.7530, you must submit a Notification of Compliance Status according to § 63.9(h)(2)(ii). For the initial compliance demonstration for each boiler or process heater, you must submit the Notification of Compliance Status, including all performance test results and fuel analyses, before the close of business on the 60th day following the completion of all performance test and/or other initial compliance demonstrations for all boiler or process heaters at the facility according to § 63.10(d)(2). The Notification of Compliance Status report must contain all the information specified in paragraphs (e)(1) through (8), as applicable. If you are not required to conduct an initial compliance demonstration as specified in § 63.7530(a), the Notification of Compliance Status must only contain the information specified in paragraphs (e)(1) and (8) of this section and must be submitted within 60 days of the compliance date specified at §63.7495(b).
- (1) A description of the affected unit(s) including identification of which subcategories the unit is in, the design heat input capacity of the unit, a description of the add-on controls used on the unit to comply with this subpart, description of the fuel(s) burned, including whether the fuel(s) were a secondary material determined by you or the EPA through a petition process to be a non-waste under § 241.3 of this chapter, whether the fuel(s) were a secondary material processed from discarded non-hazardous secondary materials within the meaning of § 241.3 of this chapter, and justification for the selection of fuel(s) burned during the compliance demonstration.
- (2) Summary of the results of all performance tests and fuel analyses, and calculations conducted to demonstrate initial compliance including all established operating limits, and including:
- (i) Identification of whether you are complying with the PM emission limit or the alternative TSM emission limit.
- (ii) Identification of whether you are complying with the output-based emission limits or the heat input-based (i.e., lb/MMBtu or ppm) emission limits,
- (iii) Identification of whether you are complying the arithmetic mean of all valid hours of data from the previous 30 operating days or of the previous 720 hours. This identification shall be specified separately for each operating parameter.
- (3) A summary of the maximum CO emission levels recorded during the performance test to show that you have met any applicable emission standard in Tables 1, 2, or 11 through 13 to this subpart, if you are not using a CO CEMS to demonstrate compliance.
- (4) Identification of whether you plan to demonstrate compliance with each applicable emission limit through performance testing, a CEMS, or fuel analysis.
- (5) Identification of whether you plan to demonstrate compliance by emissions averaging and identification of whether you plan to demonstrate compliance by using efficiency credits through energy conservation:
- (i) If you plan to demonstrate compliance by emission averaging, report the emission level that was being achieved or the control technology employed on January 31, 2013.
- (ii) [Reserved]

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- (6) A signed certification that you have met all applicable emission limits and work practice standards.
- (7) If you had a deviation from any emission limit, work practice standard, or operating limit, you must also submit a description of the deviation, the duration of the deviation, and the corrective action taken in the Notification of Compliance Status report.
- (8) In addition to the information required in § 63.9(h)(2), your notification of compliance status must include the following certification(s) of compliance, as applicable, and signed by a responsible official:
- (i) "This facility completed the required initial tune-up for all of the boilers and process heaters covered by 40 CFR part 63 subpart DDDDD at this site according to the procedures in § 63.7540(a)(10)(i) through (vi)."
- (ii) "This facility has had an energy assessment performed according to § 63.7530(e)."
- (iii) Except for units that burn only natural gas, refinery gas, or other gas 1 fuel, or units that qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act, include the following: "No secondary materials that are solid waste were combusted in any affected unit."
- (f) If you operate a unit designed to burn natural gas, refinery gas, or other gas 1 fuels that is subject to this subpart, and you intend to use a fuel other than natural gas, refinery gas, gaseous fuel subject to another subpart of this part, part 60, 61, or 65, or other gas 1 fuel to fire the affected unit during a period of natural gas curtailment or supply interruption, as defined in § 63.7575, you must submit a notification of alternative fuel use within 48 hours of the declaration of each period of natural gas curtailment or supply interruption, as defined in § 63.7575. The notification must include the information specified in paragraphs (f)(1) through (5) of this section.
- (1) Company name and address.
- (2) Identification of the affected unit.
- (3) Reason you are unable to use natural gas or equivalent fuel, including the date when the natural gas curtailment was declared or the natural gas supply interruption began.
- (4) Type of alternative fuel that you intend to use.
- (5) Dates when the alternative fuel use is expected to begin and end.
- (g) [NA - SOLID WASTE NOT BURNED]
- (h) If you have switched fuels or made a physical change to the boiler or process heater and the fuel switch or physical change resulted in the applicability of a different subcategory, you must provide notice of the date upon which you switched fuels or made the physical change within 30 days of the switch/change. The notification must identify:
- (1) The name of the owner or operator of the affected source, as defined in § 63.7490, the location of the source, the boiler(s) and process heater(s) that have switched fuels, were physically changed, and the date of the notice.
- (2) The currently applicable subcategory under this subpart.
- (3) The date upon which the fuel switch or physical change occurred.
- [76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7183, Jan. 31, 2013]
- §63.7550 What reports must I submit and when?
- (a) You must submit each report in Table 9 to this subpart that applies to you.

TABLE 9 REQUIREMENTS

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As stated in § 63.7550, you must comply with the following requirements for reports:

You must submit a compliance report. The report must contain

- a. Information required in § 63.7550(c)(1) through (5); and
- b. If there are no deviations from any emission limitation (emission limit and operating limit) that applies to you and there are no deviations from the requirements for work practice standards for periods of startup and shutdown in Table 3 to this subpart that apply to you, a statement that there were no deviations from the emission limitations and work practice standards during the reporting period. If there were no periods during which the CMSs, including continuous emissions monitoring system, continuous opacity monitoring system, and operating parameter monitoring systems, were out-of-control as specified in §63.8(c)(7), a statement that there were no periods during which the CMSs were out-of-control during the reporting period; and
- c. If you have a deviation from any emission limitation (emission limit and operating limit) where you are not using a CMS to comply with that emission limit or operating limit, or a deviation from a work practice standard for periods of startup and shutdown, during the reporting period, the report must contain the information in §63.7550(d); and
- d. If there were periods during which the CMSs, including continuous emissions monitoring system, continuous opacity monitoring system, and operating parameter monitoring systems, were out-of-control as specified in § 63.8(c)(7), or otherwise not operating, the report must contain the information in § 63.7550(e).

You must submit the report semiannually, annually, biennially, or every 5 years according to the requirements in § 63.7550(b).

END OF TABLE 9 REQUIREMENTS

(b) Unless the EPA Administrator has approved a different schedule for submission of reports under §63.10(a), you must submit each report, according to paragraph (h) of this section, by the date in Table 9 to this subpart and according to the requirements in paragraphs (b)(1) through (4) of this section. For units that are subject only to a requirement to conduct subsequent annual, biennial, or 5-year tune-up according to §63.7540(a)(10), (11), or (12), respectively, and not subject to emission limits or Table 4 operating limits, you may submit only an annual, biennial, or 5-year compliance report, as applicable, as specified in paragraphs (b)(1) through (4) of this section, instead of a semi-annual compliance report.

(1) The first semi-annual compliance report must cover the period beginning on the compliance date that is specified for each boiler or process heater in §63.7495 and ending on June 30 or December 31, whichever date is the first date that occurs at least 180 days after the compliance date that is specified for your source in §63.7495. If submitting an annual, biennial, or 5-year compliance report, the first compliance report must cover the period beginning on the compliance date that is specified for each boiler or process heater in §63.7495 and ending on December 31 within 1, 2, or 5 years, as applicable, after the compliance date that is specified for your source in §63.7495.

(2) The first semi-annual compliance report must be postmarked or submitted no later than July 31 or January 31, whichever date is the first date following the end of the first calendar half after the compliance date that is specified for each boiler or process heater in §63.7495. The first annual, biennial, or 5-year compliance report must be postmarked or submitted no later than January 31.

(3) Each subsequent semi-annual compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. Annual, biennial, and 5-year compliance reports must cover the applicable 1-, 2-, or 5-year periods from January 1 to December 31.

(4) Each subsequent semi-annual compliance report must be postmarked or submitted no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period. Annual, biennial, and 5-year compliance reports must be postmarked or submitted no later than January 31.

(5) For each affected source that is subject to permitting regulations pursuant to part 70 or part 71 of this chapter, and if the permitting authority has established dates for submitting semiannual reports pursuant to 70.6(a)(3)(iii)(A) or

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71.6(a)(3)(iii)(A), you may submit the first and subsequent compliance reports according to the dates the permitting authority has established in the permit instead of according to the dates in paragraphs (b)(1) through (4) of this section.

(c) A compliance report must contain the following information depending on how the facility chooses to comply with the limits set in this rule.

(1) If the facility is subject to the requirements of a tune up you must submit a compliance report with the information in paragraphs (c)(5)(i) through (iii) of this section, (xiv) and (xvii) of this section, and paragraph (c)(5)(iv) of this section for limited-use boiler or process heater.

(2) If you are complying with the fuel analysis you must submit a compliance report with the information in paragraphs (c)(5)(i) through (iii), (vi), (x), (xi), (xiii), (xv), (xvii), (xviii) and paragraph (d) of this section.

(3) If you are complying with the applicable emissions limit with performance testing you must submit a compliance report with the information in (c)(5)(i) through (iii), (vi), (vii), (viii), (ix), (xi), (xiii), (xv), (xvii), (xviii) and paragraph (d) of this section.

(4) If you are complying with an emissions limit using a CMS the compliance report must contain the information required in paragraphs (c)(5)(i) through (iii), (v), (vi), (xi) through (xiii), (xv) through (xviii), and paragraph (e) of this section.

(5)(i) Company and Facility name and address.

(ii) Process unit information, emissions limitations, and operating parameter limitations.

(iii) Date of report and beginning and ending dates of the reporting period.

(iv) The total operating time during the reporting period.

(v) If you use a CMS, including CEMS, COMS, or CPMS, you must include the monitoring equipment manufacturer(s) and model numbers and the date of the last CMS certification or audit.

(vi) The total fuel use by each individual boiler or process heater subject to an emission limit within the reporting period, including, but not limited to, a description of the fuel, whether the fuel has received a non-waste determination by the EPA or your basis for concluding that the fuel is not a waste, and the total fuel usage amount with units of measure.

(vii) If you are conducting performance tests once every 3 years consistent with §63.7515(b) or (c), the date of the last 2 performance tests and a statement as to whether there have been any operational changes since the last performance test that could increase emissions.

(viii) A statement indicating that you burned no new types of fuel in an individual boiler or process heater subject to an emission limit. Or, if you did burn a new type of fuel and are subject to a HCl emission limit, you must submit the calculation of chlorine input, using Equation 7 of §63.7530, that demonstrates that your source is still within its maximum chlorine input level established during the previous performance testing (for sources that demonstrate compliance through performance testing) or you must submit the calculation of HCl emission rate using Equation 16 of §63.7530 that demonstrates that your source is still meeting the emission limit for HCl emissions (for boilers or process heaters that demonstrate compliance through fuel analysis). If you burned a new type of fuel and are subject to a mercury emission limit, you must submit the calculation of mercury input, using Equation 8 of §63.7530, that demonstrates that your source is still within its maximum mercury input level established during the previous performance testing (for sources that demonstrate compliance through performance testing), or you must submit the calculation of mercury emission rate using Equation 17 of §63.7530 that demonstrates that your source is still meeting the emission limit for mercury emissions (for boilers or process heaters that demonstrate compliance through fuel analysis). If you burned a new type of fuel and are subject to a TSM emission limit, you must submit the calculation of TSM input, using Equation 9 of §63.7530, that demonstrates that your source is still within its maximum TSM input level established during the previous performance testing (for sources that demonstrate compliance through performance testing), or you must submit the calculation of TSM emission rate, using Equation 18 of §63.7530, that demonstrates that your source is still meeting the emission limit for TSM emissions (for boilers or process heaters that demonstrate compliance through fuel analysis).

(ix) If you wish to burn a new type of fuel in an individual boiler or process heater subject to an emission limit and you cannot

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demonstrate compliance with the maximum chlorine input operating limit using Equation 7 of §63.7530 or the maximum mercury input operating limit using Equation 8 of §63.7530, or the maximum TSM input operating limit using Equation 9 of §63.7530 you must include in the compliance report a statement indicating the intent to conduct a new performance test within 60 days of starting to burn the new fuel.

(x) A summary of any monthly fuel analyses conducted to demonstrate compliance according to §§63.7521 and 63.7530 for individual boilers or process heaters subject to emission limits, and any fuel specification analyses conducted according to §§63.7521(f) and 63.7530(g).

(xi) If there are no deviations from any emission limits or operating limits in this subpart that apply to you, a statement that there were no deviations from the emission limits or operating limits during the reporting period.

(xii) If there were no deviations from the monitoring requirements including no periods during which the CMSs, including CEMS, COMS, and CPMS, were out of control as specified in §63.8(c)(7), a statement that there were no deviations and no periods during which the CMS were out of control during the reporting period.

(xiii) If a malfunction occurred during the reporting period, the report must include the number, duration, and a brief description for each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by you during a malfunction of a boiler, process heater, or associated air pollution control device or CMS to minimize emissions in accordance with §63.7500(a)(3), including actions taken to correct the malfunction.

(xiv) Include the date of the most recent tune-up for each unit subject to only the requirement to conduct an annual, biennial, or 5-year tune-up according to §63.7540(a)(10), (11), or (12) respectively. Include the date of the most recent burner inspection if it was not done annually, biennially, or on a 5-year period and was delayed until the next scheduled or unscheduled unit shutdown.

(xv) [NA - EMISSION AVERAGING NOT ELECTED]

(xvi) For each reporting period, the compliance reports must include all of the calculated 30 day rolling average values for CEMS (CO, HCl, SO₂, and mercury), 10 day rolling average values for CO CEMS when the limit is expressed as a 10 day instead of 30 day rolling average, and the PM CPMS data.

(xvii) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.

(xviii) For each instance of startup or shutdown include the information required to be monitored, collected, or recorded according to the requirements of §63.7555(d).

(d) For each deviation from an emission limit or operating limit in this subpart that occurs at an individual boiler or process heater where you are not using a CMS to comply with that emission limit or operating limit, or from the work practice standards for periods if startup and shutdown, the compliance report must additionally contain the information required in paragraphs (d)(1) through (3) of this section.

(1) A description of the deviation and which emission limit, operating limit, or work practice standard from which you deviated.

(2) Information on the number, duration, and cause of deviations (including unknown cause), as applicable, and the corrective action taken.

(3) If the deviation occurred during an annual performance test, provide the date the annual performance test was completed.

(e) For each deviation from an emission limit, operating limit, and monitoring requirement in this subpart occurring at an individual boiler or process heater where you are using a CMS to comply with that emission limit or operating limit, the compliance report must additionally contain the information required in paragraphs (e)(1) through (9) of this section. This includes any deviations from your site-specific monitoring plan as required in §63.7505(d).

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- (1) The date and time that each deviation started and stopped and description of the nature of the deviation (i.e., what you deviated from).
- (2) The date and time that each CMS was inoperative, except for zero (low-level) and high-level checks.
- (3) The date, time, and duration that each CMS was out of control, including the information in §63.8(c)(8).
- (4) The date and time that each deviation started and stopped.
- (5) A summary of the total duration of the deviation during the reporting period and the total duration as a percent of the total source operating time during that reporting period.
- (6) A characterization of the total duration of the deviations during the reporting period into those that are due to control equipment problems, process problems, other known causes, and other unknown causes.
- (7) A summary of the total duration of CMS's downtime during the reporting period and the total duration of CMS downtime as a percent of the total source operating time during that reporting period.
- (8) A brief description of the source for which there was a deviation.
- (9) A description of any changes in CMSs, processes, or controls since the last reporting period for the source for which there was a deviation.
- (f)-(g) [Reserved]
- (h) You must submit the reports according to the procedures specified in paragraphs (h)(1) through (3) of this section.
 - (1) Within 60 days after the date of completing each performance test (as defined in §63.2) required by this subpart, you must submit the results of the performance tests, including any fuel analyses, following the procedure specified in either paragraph (h)(1)(i) or (ii) of this section.
 - (i) For data collected using test methods supported by the EPA's Electronic Reporting Tool (ERT) as listed on the EPA's ERT Web site (<http://www.epa.gov/ttn/chief/ert/index.html>), you must submit the results of the performance test to the EPA via the Compliance and Emissions Data Reporting Interface (CEDRI). (CEDRI can be accessed through the EPA's Central Data Exchange (CDX) (<https://cdx.epa.gov/>.) Performance test data must be submitted in a file format generated through use of the EPA's ERT or an electronic file format consistent with the extensible markup language (XML) schema listed on the EPA's ERT Web site. If you claim that some of the performance test information being submitted is confidential business information (CBI), you must submit a complete file generated through the use of the EPA's ERT or an alternate electronic file consistent with the XML schema listed on the EPA's ERT Web site, including information claimed to be CBI, on a compact disc, flash drive, or other commonly used electronic storage media to the EPA. The electronic media must be clearly marked as CBI and mailed to U.S. EPA/OAPQS/CORE CBI Office, Attention: Group Leader, Measurement Policy Group, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same ERT or alternate file with the CBI omitted must be submitted to the EPA via the EPA's CDX as described earlier in this paragraph.
 - (ii) For data collected using test methods that are not supported by the EPA's ERT as listed on the EPA's ERT Web site at the time of the test, you must submit the results of the performance test to the Administrator at the appropriate address listed in §63.13.
 - (2) Within 60 days after the date of completing each CEMS performance evaluation (as defined in 63.2), you must submit the results of the performance evaluation following the procedure specified in either paragraph (h)(2)(i) or (ii) of this section.
 - (i) For performance evaluations of continuous monitoring systems measuring relative accuracy test audit (RATA) pollutants that are supported by the EPA's ERT as listed on the EPA's ERT Web site at the time of the evaluation, you must submit the results of the performance evaluation to the EPA via the CEDRI. (CEDRI can be accessed through the EPA's CDX.) Performance evaluation data must be submitted in a file format generated through the use of the EPA's ERT or an alternate file format consistent with the XML schema listed on the EPA's ERT Web site. If you claim that some of the performance evaluation information being transmitted is CBI, you must submit a complete file generated through the use of the EPA's

**SECTION E. Source Group Restrictions.**

ERT or an alternate electronic file consistent with the XML schema listed on the EPA's ERT Web site, including information claimed to be CBI, on a compact disc, flash drive, or other commonly used electronic storage media to the EPA. The electronic media must be clearly marked as CBI and mailed to U.S. EPA/OAPQS/CORE CBI Office, Attention: Group Leader, Measurement Policy Group, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same ERT or alternate file with the CBI omitted must be submitted to the EPA via the EPA's CDX as described earlier in this paragraph.

(2) [NA - CEMS NOT ELECTED]

(3) You must submit all reports required by Table 9 of this subpart electronically to the EPA via the CEDRI. (CEDRI can be accessed through the EPA's CDX.) You must use the appropriate electronic report in CEDRI for this subpart. Instead of using the electronic report in CEDRI for this subpart, you may submit an alternate electronic file consistent with the XML schema listed on the CEDRI Web site (<http://www.epa.gov/ttn/chief/cedri/index.html>), once the XML schema is available. If the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, you must submit the report to the Administrator at the appropriate address listed in §63.13. You must begin submitting reports via CEDRI no later than 90 days after the form becomes available in CEDRI.

[78 FR 7183, Jan. 31, 2013, as amended at 80 FR 72814, Nov. 20, 2015]

§63.7555 What records must I keep?

(a) You must keep records according to paragraphs (a)(1) and (2) of this section.

(1) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report that you submitted, according to the requirements in §63.10(b)(2)(xiv).

(2) Records of performance tests, fuel analyses, or other compliance demonstrations and performance evaluations as required in §63.10(b)(2)(vii).

(3) [NA – UNITS NOT LIMITED USE]

(b) For each CEMS, COMS, and continuous monitoring system you must keep records according to paragraphs (b)(1) through (5) of this section.

(1) Records described in §63.10(b)(2)(vii) through (xi).

(2) [NA - COMS NOT ELECTED]

(3) Previous (i.e., superseded) versions of the performance evaluation plan as required in §63.8(d)(3).

(4) [NA - CEMS NOT ELECTED]

(5) Records of the date and time that each deviation started and stopped.

(c) You must keep the records required in Table 8 to this subpart including records of all monitoring data and calculated averages for applicable operating limits, such as opacity, pressure drop, pH, and operating load, to show continuous compliance with each emission limit and operating limit that applies to you.

(d) For each boiler or process heater subject to an emission limit in Tables 1, 2, or 11 through 13 to this subpart, you must also keep the applicable records in paragraphs (d)(1) through (11) of this section.

(1) You must keep records of monthly fuel use by each boiler or process heater, including the type(s) of fuel and amount(s) used.

(2) [NA- SOLID WASTE NOT COMBUSTED]

(3) A copy of all calculations and supporting documentation of maximum chlorine fuel input, using Equation 7 of §63.7530,

**SECTION E. Source Group Restrictions.**

that were done to demonstrate continuous compliance with the HCl emission limit, for sources that demonstrate compliance through performance testing. For sources that demonstrate compliance through fuel analysis, a copy of all calculations and supporting documentation of HCl emission rates, using Equation 16 of §63.7530, that were done to demonstrate compliance with the HCl emission limit. Supporting documentation should include results of any fuel analyses and basis for the estimates of maximum chlorine fuel input or HCl emission rates. You can use the results from one fuel analysis for multiple boilers and process heaters provided they are all burning the same fuel type. However, you must calculate chlorine fuel input, or HCl emission rate, for each boiler and process heater.

(4) A copy of all calculations and supporting documentation of maximum mercury fuel input, using Equation 8 of §63.7530, that were done to demonstrate continuous compliance with the mercury emission limit for sources that demonstrate compliance through performance testing. For sources that demonstrate compliance through fuel analysis, a copy of all calculations and supporting documentation of mercury emission rates, using Equation 17 of §63.7530, that were done to demonstrate compliance with the mercury emission limit. Supporting documentation should include results of any fuel analyses and basis for the estimates of maximum mercury fuel input or mercury emission rates. You can use the results from one fuel analysis for multiple boilers and process heaters provided they are all burning the same fuel type. However, you must calculate mercury fuel input, or mercury emission rates, for each boiler and process heater.

(5) If, consistent with §63.7515(b), you choose to stack test less frequently than annually, you must keep a record that documents that your emissions in the previous stack test(s) were less than 75 percent of the applicable emission limit (or, in specific instances noted in Tables 1 and 2 or 11 through 13 to this subpart, less than the applicable emission limit), and document that there was no change in source operations including fuel composition and operation of air pollution control equipment that would cause emissions of the relevant pollutant to increase within the past year.

(6) Records of the occurrence and duration of each malfunction of the boiler or process heater, or of the associated air pollution control and monitoring equipment.

(7) Records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in §63.7500(a)(3), including corrective actions to restore the malfunctioning boiler or process heater, air pollution control, or monitoring equipment to its normal or usual manner of operation.

(8) A copy of all calculations and supporting documentation of maximum TSM fuel input, using Equation 9 of §63.7530, that were done to demonstrate continuous compliance with the TSM emission limit for sources that demonstrate compliance through performance testing. For sources that demonstrate compliance through fuel analysis, a copy of all calculations and supporting documentation of TSM emission rates, using Equation 18 of §63.7530, that were done to demonstrate compliance with the TSM emission limit. Supporting documentation should include results of any fuel analyses and basis for the estimates of maximum TSM fuel input or TSM emission rates. You can use the results from one fuel analysis for multiple boilers and process heaters provided they are all burning the same fuel type. However, you must calculate TSM fuel input, or TSM emission rates, for each boiler and process heater.

(9) You must maintain records of the calendar date, time, occurrence and duration of each startup and shutdown.

(10) You must maintain records of the type(s) and amount(s) of fuels used during each startup and shutdown.

(11) For each startup period, for units selecting paragraph (2) of the definition of "startup" in §63.7575 you must maintain records of the time that clean fuel combustion begins; the time when you start feeding fuels that are not clean fuels; the time when useful thermal energy is first supplied; and the time when the PM controls are engaged.

(12) If you choose to rely on paragraph (2) of the definition of "startup" in §63.7575, for each startup period, you must maintain records of the hourly steam temperature, hourly steam pressure, hourly steam flow, hourly flue gas temperature, and all hourly average CMS data (e.g., CEMS, PM CPMS, COMS, ESP total secondary electric power input, scrubber pressure drop, scrubber liquid flow rate) collected during each startup period to confirm that the control devices are engaged. In addition, if compliance with the PM emission limit is demonstrated using a PM control device, you must maintain records as specified in paragraphs (d)(12)(i) through (iii) of this section.

(i) For a boiler or process heater with an electrostatic precipitator, record the number of fields in service, as well as each field's secondary voltage and secondary current during each hour of startup.

**SECTION E. Source Group Restrictions.**

(ii) For a boiler or process heater with a fabric filter, record the number of compartments in service, as well as the differential pressure across the baghouse during each hour of startup.

(iii) For a boiler or process heater with a wet scrubber needed for filterable PM control, record the scrubber's liquid flow rate and the pressure drop during each hour of startup.

(13) If you choose to use paragraph (2) of the definition of "startup" in §63.7575 and you find that you are unable to safely engage and operate your PM control(s) within 1 hour of first firing of non-clean fuels, you may choose to rely on paragraph (1) of definition of "startup" in §63.7575 or you may submit to the delegated permitting authority a request for a variance with the PM controls requirement, as described below.

(i) The request shall provide evidence of a documented manufacturer-identified safety issue.

(ii) The request shall provide information to document that the PM control device is adequately designed and sized to meet the applicable PM emission limit.

(iii) In addition, the request shall contain documentation that:

(A) The unit is using clean fuels to the maximum extent possible to bring the unit and PM control device up to the temperature necessary to alleviate or prevent the identified safety issues prior to the combustion of primary fuel;

(B) The unit has explicitly followed the manufacturer's procedures to alleviate or prevent the identified safety issue; and

(C) Identifies with specificity the details of the manufacturer's statement of concern.

(iv) You must comply with all other work practice requirements, including but not limited to data collection, recordkeeping, and reporting requirements.

(e) [NA – EMISSION AVERAGING NOT ELECTED]

(f) [NA - EFFICIENCY CREDITS NOT USED]

(g) If you elected to demonstrate that the unit meets the specification for mercury for the unit designed to burn gas 1 subcategory, you must maintain monthly records (or at the frequency required by §63.7540(c)) of the calculations and results of the fuel specification for mercury in Table 6.

(h) [NA - NO GASEOUS FUEL USED OTHER THAN NATURAL GAS]

(i) and (j) [Removed]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7185, Jan. 31, 2013; 80 FR 72816, Nov. 20, 2015]

§63.7560 In what form and how long must I keep my records?

(a) Your records must be in a form suitable and readily available for expeditious review, according to §63.10(b)(1).

(b) As specified in §63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

(c) You must keep each record on site, or they must be accessible from on site (for example, through a computer network), for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1). You can keep the records off site for the remaining 3 years.

OTHER REQUIREMENTS AND INFORMATION

§63.7565 What parts of the General Provisions apply to me?

**SECTION E. Source Group Restrictions.**

Table 10 to this subpart shows which parts of the General Provisions in §§63.1 through 63.15 apply to you.

§63.7570 Who implements and enforces this subpart? [INCORPORATED BY REFERENCE]

§63.7575 What definitions apply to this subpart? [INCORPORATED BY REFERENCE]

Regulatory Changes

Individual sources within this source group that are subject to 40 CFR Part 63 Subpart DDDDD shall comply with all applicable requirements of the Subpart. 40 CFR 63.13(a) requires submission of copies of all requests, reports and other communications to both the Department and the EPA. The EPA copies shall be forwarded to:

Director
Air Protection Division (3AP00)
U.S. EPA Region III
1650 Arch Street
Philadelphia, PA 19103-2029

The DEP copies shall be forwarded to the DEP SCRO Air Quality Program Manager at wiveaver@pa.gov, unless otherwise directed in writing by DEP.

In the event that the Federal Subpart that is the subject of this Source Group is revised, the permittee shall comply with the revised version of the subpart, and shall not be required to comply with any provisions in this permit designated as having the subpart as their authority, to the extent that such permit provisions would be inconsistent with the applicable provisions of the revised subpart.

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: SG21

Group Description: Block 3 Steel Coil Cleaning Line

Sources included in this group

ID	Name
103A	BLOCK 3 HCL PICKLING LINE B-154
104A	BLOCK 3 NITRIC PICKLING LINE
111A	AIR MAKE UP BLDG 154
221A	COIL DRYING FURNACE B-154
235A	SALT BATH DESCALE B-154
235F	SALT BATH FURNACE B-154

I. RESTRICTIONS.**Emission Restriction(s).**

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the Block 3 steel coil cleaning line actual emissions to below the following levels based on any consecutive 12-month period:

- a) 10 tons of a single HAP
- b) 25 tons of any combination of HAPS

This condition was requested by the permittee to avoid the requirements of Section 112(g) of the Clean Air Act.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Unless otherwise approved in writing, the permittee shall monthly record the quantities emitted of each HAP by the Block 3 steel coil cleaning line. The permittee shall perform monthly calculations to demonstrate compliance with the twelve consecutive month limitations. Emissions shall be calculated in a manner approved by the Department. The permittee shall keep record of monthly and twelve consecutive month HAP emissions in a manner that the records are readily available.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).



SECTION E. Source Group Restrictions.

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: SG22

Group Description: Block 3 Scrubbers

Sources included in this group

ID	Name
103A	BLOCK 3 HCL PICKLING LINE B-154
104A	BLOCK 3 NITRIC PICKLING LINE
235A	SALT BATH DESCALE B-154

I. RESTRICTIONS.**Emission Restriction(s).**

001 [25 Pa. Code §123.13]

Processes

The permittee shall not permit the emission to the atmosphere of particulate matter from the source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

For Sources 103A and 104A, twice per operating day the permittee shall measure and record the pH of the scrubber water for each scrubber unless otherwise approved in writing by the Department.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall weekly measure and record the water flow rate to each scrubber and the pressure drop across each scrubber unless otherwise specified in this plan approval.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall provide equipment so that the following can be measured for each scrubber in this source group:

- a. Pressure drop across the scrubber, utilizing a differential manometer, or equivalent;
- b. Water flow rate to the scrubber, utilizing a Rotameter, or equivalent.

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain the water flow rate through the scrubbers during operation of the cleaning line at a minimum of 90% of the target rate established by the manufacturer unless otherwise approved in writing by the Department.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

**SECTION E. Source Group Restrictions.**

To minimize NO_x, the permittee shall add urea or another oxidizer to each tank containing nitric or nitric/HF acid.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate a scrubber at all times that its source is operating.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Scrubbing media shall be water. As needed, scrubbing water may be neutralized with caustic.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate and maintain heat exchanger(s) in each tank containing hydrofluoric (HF) acid so that proper temperatures are maintained in the tanks.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall exhaust each nitric acid tank to a wetted packed bed scrubber.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: SG23 RACT 1 REQUIREMENTS

Group Description: RACT 1 Requirements

Sources included in this group

ID	Name
047	#5 BOILER F-645, B-48 (JOHNSTON)
048	#3 BOILER F-572, B-48 (C-B)
049	#4 BOILER F-573, B-48 (C-B)
059	SPACE HEATERS
107	STRIP CLEANING LINE 7 B-48B
108	ROD CLEANING LINE B-48B
126	ELECTRIC ARC FURNACE A
127	ELECTRIC ARC FURNACE B
128	ELECTRIC ARC FURNACE D
130	ELECTRIC ARC FURNACE E
140	ROTARY SLUDGE DRYER F751 B131
140A	RACT 2 SMALL FURNACES
171	AOD VESSEL #1
176	AOD VESSEL 2
177	ELECTRIC ARC FURNACE F
185	20T WALK FURN #1 F643; B-112
186	ROTARY FORGE FURN F-641; B-118
187	20T WALK FURN #2 F681; B-112
189	AOD VESSEL #3 - B-113
192	COLD CLEAN PARTS WASHERS
194	KEROSENE TREATMENT
195	TCE- WEB VAPOR DEGREASER
293	3000T #9 BATCH FURNACE F-724 B-78
300	#14 ANNEAL FURNACE F-562 B-94
358	MEARZ 12T WALKING BEAM FUR F-755, B-118
379	NON-EMERGENCY GENERATORS - VARIED LOC PRE-2006
379A	EMERGENCY GENERATORS - VARIED LOC PRE-2006
381	#4 ANNEALING FURNACE, F-476, B-94
400	BENCH NITRIC/HF TUBS NORTH B48
448	OIL QUENCH TANK- B-4
500	FUEL STORAGE TANKS

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

**SECTION E. Source Group Restrictions.****IV. RECORDKEEPING REQUIREMENTS.**

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.**# 001 [25 Pa. Code §129.93]****Presumptive RACT emission limitations**

Carpenter Technology Corporation, Reading City/Muhlenberg Township: RACT Operating Permit No. 06-1007 SIP requirements:

1. Furnaces (less than 20 million BTU/hr) - 170 units as identified in Table 1 attached. [TABLE INCORPORATED BY REFERENCE]: [VARIOUS SOURCE IDS]

2. Rotary Hearth Furnace F-641 (Davy McKee): 186

3. #1 Walking Beam Furnace F-643 (Midland-Ross): 185

4. #2 Walking Beam Furnace F-681 (North American): 187

5. #14 Annealing Furnace F-562 (CarTech): 300

6. #4 Annealing Furnace F-476 (CarTech): 381

7. Boilers (less than 20 million BTU/hr - 15 units as identified in Table 2 attached. [TABLE INCORPORATED BY REFERENCE]: [VARIOUS SOURCE IDS]

8. Boilers (20 to 50 million BTU/hr) - 3 units as identified in Table 3 attached. [TABLE 3 ITEMS LISTED BELOW]

Boiler No.: Location: Fuel: Heat Input (million BTU/hr)

F-572: Bldg.: 48: gas/oil: 29.40: 048

F-573: Bldg.: 48: gas/oil: 29.40: 049

F-645: Bldg.: 48: gas/oil: 21.00: 047

9. Space Heaters (less than 20 million BTU/hr) - 178 units as identified in Table 4 attached. [TABLE INCORPORATED BY REFERENCE]: 059

10. Make-up Air Units (less than 20 million BTU/hr) - 20 units as identified in Table 5. [TABLE INCORPORATED BY REFERENCE]: 385

11. Emergency Generators - 23 units as identified in Table 6 attached. [TABLE INCORPORATED BY REFERENCE]: 379, 379A

12. Melt Shop and No. 1 Fabric Collector (AAF):

**SECTION E. Source Group Restrictions.**

- a) Electric Arc Furnace "A" (CarTech): 126
- b) Electric Arc Furnace "B" (CarTech): 127
- c) Electric Arc Furnace "C" (CarTech) [OUT OF SERVICE]
- d) Electric Arc Furnace "D" (CarTech): 128
- e) Electric Arc Furnace "E" (Lectromelt): 130
- f) #1 AOD (CarTech): 171
- 13. Melt Shop and No. 2 Fabric Collector (Carborundum)
 - a) Electric Arc Furnace "F" (Lectromelt): 177
 - b) #2 AOD (Whiting): 176
 - c) #3 AOD (Whiting): 189
- 14 #9 Heat Treating Unit a) Nitric-Hydrofluoric Acid Tank [OUT OF SERVICE]
- 15. #7 Heat Treating Line - Two Nitric-Hydrofluoric Acid Tanks: 107
- 16. Rod Cleaning Line: Nitric-Hydrofluoric Acid Tank: 108
- 17 #1 Acid (Block) Cleaning Line and two Wetted Packed Bed Scrubbers (Heil): 104/235 [OUT OF SERVICE]
- 18. #2 Acid (Block) Cleaning Line and two Wetted Packed Bed Scrubbers [OUT OF SERVICE]
- 19. Bench Cleaning Line and two Wetted Packed Bed Scrubbers (Heil): 400
- 20. Kerosene Treatment: 194
- 21 Oil Quench Tank: 448
- 22. Cold Degreasers - 67 units as identified in Table 7 attached [TABLE INCORPORATED BY REFERENCE]: 192
- 23. Two Vapor Degreasers (Building 48 and 112): 195: [BUILDING 48 UNIT IS ACTIVE; BUILDING 112 UNIT IS OUT OF SERVICE]
- 24. Bar Ends Coating Operations [OUT OF SERVICE]
- 25. Two (2) Z-Mills (Building 488): [NO SOURCE ID; INSIGNIFICANT SOURCE]
- 26. Gasoline Storage Tanks - (5 tanks) as identified in Table 8 attached and Pumping Station [TABLE INCORPORATED BY REFERENCE]: 500
- 27 Diesel Fuel Storage Tanks - (6 tanks) as identified in Table 8 attached [TABLE INCORPORATED BY REFERENCE]: 500
- 28. Sludge Drying Facility: a) Sludge Dryer F-131 (Renneberg) and associated Fabric Collectors (Flex Kleen): 140 [LISTED IN T5 PERMIT AS F-751/B-131]
- 29. 12-Ton Walking Beam Furnace F-755 (Maerz Ofenbau): 358
- 30. [UNIT LISTING NOT INCLUDED IN SIP]

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31. AOD Vessel Preheater (F-531): 169

32. [UNIT LISTING NOT INCLUDED IN SIP]

33. Kolene Rinse tank and Wetted Packed Bed Scrubber (Heil/Xerxes) [OUT OF SERVICE]

This permit is subject to the following conditions:

(1) That the source(s) and any associated air cleaning devices are to be:

(a) operated in such a manner as not to cause air pollution:

(b) in compliance with the specifications and conditions of the plan approval issued under the same number;

(c) operated and maintained in a manner consistent with good operating and maintenance practices.

(2) This permit is valid only for the specific equipment, location and owner named above.

(3) This Operating Permit is issued for the purpose of defining the Department's NOx and VOC Reasonably Available Control Technology (RACT) determination for the air contamination sources at Carpenter Technology Corporation's Reading Plant.

(4) For the purpose of the US EPA and the SIP, the RACT portion of this Permit does not expire.

(5) This Operating Permit establishes the NOx RACT for the Heating Furnaces with rated heat inputs less than 20 million BTU/hr, as identified in Table 1, as presumptive as defined in Section 129.93(c)(1).: [VARIOUS SOURCE IDS]

(6) This Operating Permit establishes the NOx RACT for the Rotary Hearth Furnace (F-641) and Pre-heat Furnace (F-642) as a NOx emission rate of 105 #/million cubic feet of natural gas fired over a three (3) hour averaging period.: [F-641 IS SOURCE 186: F-642 IS OUT OF SERVICE]

(7) This Operating Permit establishes the NOx RACT for the No. 1 Walking Beam Furnace (F- 643) as a NOx emission rate of 153 #/million cubic feet of natural gas fired over a three (3) hour averaging period. [SOURCE 185]

(8) This Operating Permit establishes the NOx RACT for the No. 2 Walking Beam Furnace (F -681) as a NOx emission rate of 1020 #/million cubic feet of natural gas fired over a three (3) hour averaging period. [SOURCE 187]

(9) This Operating Permit establishes the NOx RACT for the No. 14 Coil Annealing Furnace (F-562) as a NO, emission rate of 115 #/million cubic feet of natural gas fired over a three (3) hour averaging period. [SOURCE 300]

(10) This Operating Permit establishes the NOx RACT for the No. 4 Coil Annealing Furnace (F-476) as a NO. emission rate of 78 #/million cubic feet of natural gas fired over a three (3) hour averaging period. [SOURCE 381]

(11) This Operating Permit establishes the NOx RACT for the Boilers with rated heat inputs less than 20 million BTU/hr, as identified in Table 2, as presumptive as defined in Section 129.93(c)(1). [VARIOUS SOURCE IDS]

(12) This Operating Permit establishes the NO. RACT for the Boilers with rated heat inputs of 20 to 50 million BTU/hr, as identified in Table 3, as presumptive as defined in Section 129.93(b)(2). [SOURCES 047, 048 AND 049]

(13) The boilers (Table 3) in Condition 12 are subject to the following:

A. The owner/operator shall perform an annual adjustment and/or tune-up on the boilers which shall include the following:

a) Inspection, adjustment cleaning or replacement of fuel-burning equipment. including the burners and moving parts necessary for proper operation as specified by the manufacturer

**SECTION E. Source Group Restrictions.**

b) Inspection of the flame pattern or characteristics and adjustments necessary to minimize emissions of NO_x and to the extent practicable minimize emissions of CO.

c) Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.

B. The owner/operator shall maintain a permanently bound log book or other method approved by the Department. This log shall contain, at a minimum, the following information:

a) The date of the tuning procedure

b) The name of the service owner/operator and technicians

c) The final operating rate or load

d) The final CO and NO_x emission rates

e) The final excess oxygen rate

f) Any other information required by this approval

C. The annual adjustment shall be in accordance with the EPA document-"Combustion Efficiency Optimization Manual for Operators of Oil and Gas-fired Boilers," September 1983 (EPA-340/1-83-023) or equivalent procedures approved in writing by the Department.

(14) This Operating Permit establishes the NO_x RACT for the Space Heaters with rated heat inputs less than 20 million BTU/hr, as identified in Table 4, and Make-Up Air Units with rated heat inputs less than 20 million BTU/hr, as identified in Table 5, as presumptive as defined in Section 129.93(c)(1). 059

(15) This Operating Permit establishes the NO_x RACT for the Emergency Electrical Generators, as defined in Table 6, as an operational limit of 500 hours of operation per twelve (12) months for each unit as presumptive as defined in Section 129.93(c)(5). 379, 379A

(16) The owner/operator shall maintain an hour meter, or use another method as approved by the Department, to measure and record the operating time of each emergency electrical generator. 379, 379A

(17) This Operating Permit establishes the NO_x and VOC RACT for the Melt Shop, which consists of Arc Furnaces A, B, C, D, E and F and AODs 1, 2 and 3, exhausted to the two (2) Melt Shop Fabric Collectors as the current operating practices.: see below:

(18) The emissions from the Melt Shop shall be limited to the following:

a) Electric Arc Furnaces A (F-134), 8 (F-135), C (F-291), D (F-140) and E (F-369) and No. 1 AOD (F-563): [SOURCES 126, 127, 128, 130 AND 171; EAF C IS OUT OF SERVICE]

1) NO_x - 54 #/hr (24-hour average): (EAF C is out of service)

2) VOC - 13 #/hr (24-hour average):

b) Electric Arc Furnace F (F-620), No. 2 AOD (F-579) and No. 3 AOD (F-699): [SOURCES 177, 176 AND 189]

1) NO_x - 126 #/hr (24-hour average):

2) VOC - 24 #/hr (24-hour average):

(19) This Operating Permit establishes the NO_x RACT for the Acid Cleaning Lines as:

**SECTION E. Source Group Restrictions.**

- a) Operation of the existing heat exchangers in each tank containing nitric acid to maintain tank temperatures located in Block Cleaning Lines #1 and #2.
- b) The addition of urea or other oxidizers to each tank containing nitric or nitric and HF acid located in Block Cleaning Lines #1 and #2 and Bench Cleaning Line. [APPLIES TO SOURCE 400 ONLY] [BLOCK 1 LINE IS OUT OF SERVICE; BLOCK 2 LINE IS OUT OF SERVICE]
- c) The exhausting of each nitric acid tank to a wetted packed bed scrubber. [SOURCES 107, 108 AND 400]
- (20) This Operating Permit establishes the VOC RACT for the cold degreasers and vapor degreasers, as identified in Table 7, as presumptive as defined in Section 129.63. [SOURCES 192 AND 195]
- (21) This Operating Permit establishes the VOC RACT for the Bar Ends Coating Operating as limiting VOC emissions to less than 2.7 tons per year. [OUT OF SERVICE]
- (22) This Operating Permit establishes the VOC RACT for the Kerosene Treatment as the present operation with an annual limit of 13.13 tons of VOC. [SOURCE 194]
- (23) This Operating Permit establishes the NOx and VOC RACT for the following sources as:
- a) Oil Quench - NOx and VOC emissions less than 2.7 tons/year [SOURCE 448]
- b) Z-Mills - VOC emissions less than 2.7 tons/year [NO SOURCE ID; INSIGNIFICANT SOURCE]
- c) Storage Tanks - VOC emissions less than 2.7 tons/year each: [SOURCE 500]
- (24) This Operating Permit establishes the NOx RACT for the Sludge Dryer (F-751) as presumptive as defined in Section 129.93(c)(1). [SOURCE 140]
- (25) This Operating Permit establishes the NOx RACT for the 12-ton Walking Beam Furnace (F-755) as a NOx emission rate of 0.3 #/million BTU and 10 tons per year or 65.4 million cubic feet per year of natural gas, whichever is more restrictive. [SOURCE 358]
- (26) The owner/operator shall maintain on site all records necessary to verify compliance with the NOx and VOC RACT Plan.
- (27) The owner/operator shall maintain a list of all sources subject to RACT under conditions 5, 11, 14, 15 and 20 and their location, fuel and heat input rating. The list shall be updated quarterly and made available to the Department upon request. An updated list shall be submitted to the Department annually. The owner/operator shall notify the Department of any new sources that increase the emissions of NOx or VOC by more than 1 TPY, except for sources specifically exempted by 25 Pa. Code Section 127.14. Any new sources subject to the Department's Chapter 127 permitting requirements will be required to receive a Plan Approval before construction. [VARIOUS SOURCE IDS]
- (28) [PROVISION NOT SIP-ED]
- (29) The total annual emissions from the Rotary Hearth Furnace (F-641) and the Preheat Furnace (F-642) shall not exceed the following limits based on the combustion of 244.4 million cubic feet per year of Natural Gas: [F-641 IS SOURCE 186; F-642 IS OUT OF SERVICE; F-641 REMAINS]
- Nitrogen Oxides: 12.83 TPY
- VOC: 0.34 TPY [DUE TO THE INCREASE OF THE VOC EMISSION FACTOR FROM AP-42 4TH EDITION TO AP-42 5TH EDITION, THE EQUIVALENT VOC LIMIT IS NOW 0.67 TPY. CARPENTER WILL BE REQUIRED TO PURCHASE ERCS TO MAKE UP THE DIFFERENCE OF THE EMISSION INCREASE OVER THE RACT 1 LIMIT, IN ORDER TO ADDRESS SIP ANTI-BACKSLIDING ISSUES.]
- (30) The total annual emissions from the #1 Walking Beam Furnace (F-643) shall not exceed the following limits based on the combustion of 140 million cubic feet per year of Natural Gas: [SOURCE 185] [PER PLAN APPROVAL NO. 06-1007D,

**SECTION E. Source Group Restrictions.**

ISSUED 12/5/96, THE ANNUAL FUEL LIMIT FOR F-643 WAS INCREASED TO 160 MMCF/YR, AND ERCS WERE PURCHASED TO COVER THE ASSOCIATED NOX EMISSION INCREASE.]

Nitrogen Oxides: 9.88 TPY [PER PLAN APPROVAL NO. 06-1007D, ISSUED 12/5/96, THE ANNUAL NOX LIMIT FOR F-643 WAS INCREASED TO 11.29 TPY, AND ERCS WERE PURCHASED TO COVER THE 1.41 TPY INCREASE OVER THE RACT 1 LIMIT.]

VOC: 0.20 TPY [PER PLAN APPROVAL NO. 06-1007D, ISSUED 12/5/96, THE ANNUAL VOC LIMIT FOR F-643 WAS INCREASED TO 0.22 TPY. ALSO, DUE TO THE INCREASE OF THE VOC EMISSION FACTOR FROM AP-42 4TH EDITION TO AP-42 5TH EDITION, THE EQUIVALENT VOC LIMIT IS NOW 0.44 TPY. CARPENTER WILL BE REQUIRED TO PURCHASE ERCS TO MAKE UP THE DIFFERENCE OF THE EMISSION INCREASE OVER THE RACT 1 LIMIT, IN ORDER TO ADDRESS SIP ANTI-BACKSLIDING ISSUES.]

(31) The total annual emissions from the #2 Walking Beam Furnace (F-681) shall not exceed the following limits based on the combustion of 86 million cubic feet per year of Natural Gas: [SOURCE 187]: [PER PLAN APPROVAL NO. 06-1007D, ISSUED 12/5/96, THE ANNUAL FUEL LIMIT FOR F-681 WAS INCREASED TO 100 MMCF/YR, AND ERCS WERE PURCHASED TO COVER THE ASSOCIATED NOX EMISSION INCREASE.]

Nitrogen Oxides: 25.23 TPY [PER PLAN APPROVAL NO. 06-1007D, ISSUED 12/5/96, THE ANNUAL NOX LIMIT FOR F-681 WAS INCREASED TO 29.34 TPY, AND ERCS WERE PURCHASED TO COVER THE 4.11 TPY INCREASE OVER THE RACT 1 LIMIT.]

VOC: 0.12 TPY [PER PLAN APPROVAL NO. 06-1007D, ISSUED 12/5/96, THE ANNUAL VOC LIMIT FOR F-681 WAS INCREASED TO 0.14 TPY. ALSO, DUE TO THE INCREASE OF THE VOC EMISSION FACTOR FROM AP-42 4TH EDITION TO AP-42 5TH EDITION, THE EQUIVALENT VOC LIMIT IS NOW 0.28 TPY. CARPENTER WILL BE REQUIRED TO PURCHASE ERCS TO MAKE UP THE DIFFERENCE OF THE EMISSION INCREASE OVER THE RACT 1 LIMIT, IN ORDER TO ADDRESS SIP ANTI-BACKSLIDING ISSUES.]

(32) The total annual emissions from the 8-ton Walking Beam Furnace (F-644) shall not exceed the following limit based on the combustion of 80 million cubic feet per year of Natural Gas: [F-644 IS OUT OF SERVICE]

Nitrogen Oxides: 5.6 TPY

VOC: 0.11 TPY

(33) The total annual emissions from the Heating Furnace (F-724) shall not exceed the following limits: [SOURCE 293]

Nitrogen Oxides: 1.39 TPY

VOC: 0.3 TPY

(34) The #5 annealing furnace (F-229) shall be limited to the following: [F-229 IS OUT OF SERVICE]

(a) 18 million cubic feet of natural gas per year

(b) Nitrogen Oxides - 0.9 TPY

(35) [PROVISION NOT SIP-ED]

(36) The total annual emissions from the boilers F-572, F-573 and F-645 shall not exceed the following limits: [SOURCES 047, 048 AND 049]

Nitrogen Oxides: 19.47 TPY

VOC: 0.35 TPY

(37) – (41) [PROVISIONS NOT SIP-ED]

**SECTION E. Source Group Restrictions.**

(42) The # 1 AOD preheater (F-531) shall be limited to the following:

(a) 12 million cubic feet of natural gas per year

(b) Nitrogen Oxides - 0.6 TPY

(43) – (54) [PROVISIONS NOT SIP-ED]

(55) Upon approval by EPA as a SIP revision, the revised NOx limits in the ALL CAPS explanation in items (30) and (31) above shall replace the original SIP-ed RACT 1 limits.

(56) On 10/2/2020 Carpenter Technology purchased and retired 1.0 ton of VOC ERC from Team Ten, LLC located in Tyrone Borough, Blair County.

(57) Upon approval by EPA as a SIP revision, the revised VOC limits in the ALL CAPS explanation in items (29), (30) and (31) above shall replace the original SIP-ed RACT 1 limits.

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: SG24 RACT 2 PRESUMPTIVE REQUIREMENTS

Group Description: RACT 2 Presumptive Requirements

Sources included in this group

ID	Name
041A	MISCELLANEOUS BOILERS < 20 MMBTU
047	#5 BOILER F-645, B-48 (JOHNSTON)
048	#3 BOILER F-572, B-48 (C-B)
049	#4 BOILER F-573, B-48 (C-B)
059	SPACE HEATERS
064	BOILER F-538, B-87
065	STRIP MILL BOILER F-863 B-048(CT 723)
107	STRIP CLEANING LINE 7 B-48B
140A	RACT 2 SMALL FURNACES
194	KEROSENE TREATMENT
195	TCE- WEB VAPOR DEGREASER
375	EMERGENCY GEN - COMPUTER CENTER
376	EMERGENCY GEN - VACUUM INDUCTION MELT DEPT
377	EMERGENCY GEN - ELECTROSLAG
378	EMERGENCY GEN - CLEANING LINES
379	NON-EMERGENCY GENERATORS - VARIED LOC PRE-2006
379A	EMERGENCY GENERATORS - VARIED LOC PRE-2006
448	OIL QUENCH TANK- B-4

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

**SECTION E. Source Group Restrictions.****VII. ADDITIONAL REQUIREMENTS.****# 001 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

(b) The owner and operator of a source specified in this subsection, which is located at a major NO_x emitting facility or major VOC emitting facility subject to § 129.96 shall comply with the following:

(1) [THIS APPLIES TO SOURCES 047, 048, 049 AND 065] The presumptive RACT requirement for a combustion unit with a rated heat input equal to or greater than 20 million Btu/hour and less than 50 million Btu/hour, which is the performance of a biennial tune-up conducted in accordance with the procedures in 40 CFR 63.11223 (relating to how do I demonstrate continuous compliance with the work practice and management practice standards). The biennial tune-up must include, at a minimum, the following:

(i) Inspection and cleaning or replacement of fuel-burning equipment, including the burners and components, as necessary, for proper operation as specified by the manufacturer.

(ii) Inspection of the flame pattern and adjustment of the burner, as necessary, to optimize the flame pattern to minimize total emissions of NO_x and, to the extent possible, emissions of CO.

(iii) Inspection and adjustment, as necessary, of the air-to-fuel ratio control system to ensure proper calibration and operation as specified by the manufacturer.

(c) The owner and operator of a source specified in this subsection, which is located at a major NO_x emitting facility or major VOC emitting facility subject to § 129.96 shall install, maintain and operate the source in accordance with the manufacturer's specifications and with good operating practices:

(1) A NO_x air contamination source that has the potential to emit less than 5 TPY of NO_x. [THIS APPLIES TO SOURCES 107 AND 140A, WHICH SHALL MAINTAIN THE NO_x EMISSIONS OF EACH AFFECTED UNIT AT <5 TPY]

(2) A VOC air contamination source that has the potential to emit less than 2.7 TPY of VOC. [THIS APPLIES TO SOURCES 194, 195 AND 448, WHICH SHALL MAINTAIN VOC EMISSIONS OF EACH AFFECTED UNIT AT <2.7 TPY]

(3) A boiler or other combustion source with an individual rated gross heat input less than 20 million Btu/hour. [THIS APPLIES TO SOURCES 041A, 059 AND 064]

(5) A stationary internal combustion engine rated at less than 500 bhp (gross). [THIS APPLIES TO SOURCES 379 AND 379A, AS LISTED IN SECTION H]

(8) An emergency standby engine operating less than 500 hours in a 12-month rolling period. [THIS APPLIES TO SOURCES 375, 376, 377 AND 378]

*** **Permit Shield in Effect.** ***

**SECTION E. Source Group Restrictions.**

Group Name: SG25 RACT 2 CASE-BY-CASE REQUIREMENTS

Group Description: RACT 2 Case-by-case Requirements

Sources included in this group

ID	Name
108	ROD CLEANING LINE B-48B
126	ELECTRIC ARC FURNACE A
127	ELECTRIC ARC FURNACE B
128	ELECTRIC ARC FURNACE D
130	ELECTRIC ARC FURNACE E
171	AOD VESSEL #1
176	AOD VESSEL 2
177	ELECTRIC ARC FURNACE F
185	20T WALK FURN #1 F643; B-112
186	ROTARY FORGE FURN F-641; B-118
187	20T WALK FURN #2 F681; B-112
189	AOD VESSEL #3 - B-113
300	#14 ANNEAL FURNACE F-562 B-94
381	#4 ANNEALING FURNACE, F-476, B-94
400	BENCH NITRIC/HF TUBS NORTH B48
755	20HI COLD ROLLING MILL IN B-48B
777	4000 TON PRESS BATCH FURNACE F-860
778	4000 TON PRESS BATCH FURNACE F-861

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

**SECTION E. Source Group Restrictions.****VII. ADDITIONAL REQUIREMENTS.****# 001 [25 Pa. Code §129.99]****Alternative RACT proposal and petition for alternative compliance schedule.**

The following constitutes a case-by-case RACT 2 determination for the affected sources:

I. Sources 126, 127, 128, 130 and 177 (EAFs A, B, D, E and F):

- a.) The permittee shall maintain and adhere to standard operating procedures and maintenance plans for Sources 126, 127, 128, 130 and 177 (EAFs A, B, D, E and F), which shall address good operation and maintenance practices, including exclusion of residual organic compounds from incoming scrap and controlled addition of oxygen to the furnaces to minimize NOx and VOC emissions.
- b.) The permittee shall maintain records of any maintenance or modifications performed on Sources 126, 127, 128, 130 and 177.
- c.) The permittee shall calculate and record the actual annual NOX and VOC emissions using appropriate emissions factors from U.S. EPA Publication AP-42 or appropriate alternative emission factors based on PADEP review, coupled with appropriate operational and throughput data.
- d.) The permittee shall maintain written documentation of the items in (a)-(c) above for five years. The records shall be made available to the Department upon written request pursuant to 25 Pa. Code §129.100(d) and (i).

II. Sources 171 (AOD Vessel #1), 176 (AOD Vessel #2) and 189 (AOD Vessel #3):

- a.) The permittee shall maintain and adhere to standard operating procedures and maintenance plans for Sources 171 (AOD Vessel #1), 176 (AOD Vessel #2), and 189 (AOD Vessel #3), which shall address good operation and maintenance practices, including controlled addition of oxygen to the vessels to minimize NOx emissions.
- b.) The permittee shall maintain records of any maintenance or modifications performed on Sources 171, 176 and 189.
- c.) The permittee shall calculate and record the actual annual NOX and VOC emissions using appropriate emissions factors from U.S. EPA Publication AP-42 or appropriate alternative emission factors based on PADEP review, coupled with appropriate operational and throughput data.
- d.) The permittee shall maintain written documentation of the items in (a)-(c) above for five years. The records shall be made available to the Department upon written request pursuant to 25 Pa. Code §129.100(d) and (i).

III. Sources 185 (Walking Beam #1 Furnace), 186 (Rotary Hearth Furnace), 187 (Walking Beam #2 Furnace), 300 (#14 Annealing Furnace), 381 (#4 Annealing Furnace) 777 (4000 Ton Press Batch Furnace F-860) And 778 (4000 Ton Press Batch Furnace F-861):

- a.) The permittee shall maintain and adhere to standard operating procedures and maintenance plans for the affected sources, which shall address good operation and maintenance practices, including the following to minimize NOx emissions:
 - 1.) For Sources 300, 381, 777 and 778:
 - i.) Cold Inspection of combustion systems/burners and condition of refractory/burner tiles as applicable at least every 18 months; and
 - ii.) Hot inspections of furnace structure for hot spots, tight door seals and fully functional dampers at least every 18 months.
 - 2.) For Sources 185, 186 and 187:
 - i.) Inspection of combustion systems/burners at least every 18 months; and
 - ii.) Inspections of furnace structure and dampers at least every 18 months.

**SECTION E. Source Group Restrictions.**

- b.) The permittee shall maintain records of any maintenance or modifications performed on the sources.
- c.) On a 12-month rolling total basis, the permittee shall limit the NO_x emissions from Source 300 to 14.5 tons, and from Source 381 to 8.0 tons.
- d.) The permittee shall calculate and record the actual annual NO_x and VOC emissions using appropriate emissions factors from U.S. EPA Publication AP-42 or appropriate alternative emission factors based on PADEP review, coupled with appropriate operational and throughput data.
- e.) The permittee shall maintain written documentation of the items in (a)-(c) above for five years. The records shall be made available to the Department upon written request pursuant to 25 Pa. Code §129.100(d) and (i).
- IV. Source 755 (20HI Cold Rolling Mill)
- a.) Source 755 shall be controlled by a mist eliminator.
- b.) The permittee shall maintain and adhere to standard operating procedures and maintenance plans for Source 755, which shall address good operation and maintenance practices, including monitoring of the mist eliminator pressure drop at least once per week, and maintenance of the pressure drop within an appropriate range as determined by the manufacturer or other technical data.
- c.) The permittee shall maintain records of any maintenance or modifications performed on Source 755.
- d.) The permittee shall calculate and record the actual annual VOC emissions using appropriate emissions factors from U.S. EPA Publication AP-42 or appropriate alternative emission factors based on PADEP review, coupled with appropriate operational and throughput data.
- e.) The permittee shall maintain written documentation of the items in (b)-(d) above for five years. The records shall be made available to the Department upon written request pursuant to 25 Pa. Code §129.100(d) and (i).
- V. Sources 108 (Rod Cleaning Line) and 400 (Bench Nitric/HF Tubs North)
- a.) The permittee shall maintain and adhere to standard operating procedures and maintenance plans for the sources, which shall address good operation and maintenance practices, including the addition of urea in the nitric acid baths to minimize the risk of NO_x release to reduce personnel exposure; and the use of heat exchangers to minimize NO_x formation.
- b.) The permittee shall maintain records of any maintenance or modifications performed on the sources.
- c.) The permittee shall calculate and record the actual annual NO_x emissions using appropriate emissions factors from U.S. EPA Publication AP-42 or appropriate alternative emission factors based on PADEP review, coupled with appropriate operational and throughput data.
- d.) The permittee shall maintain written documentation of the items in (a)-(c) above for five years. The records shall be made available to the Department upon written request pursuant to 25 Pa. Code §129.100(d) and (i).

*** **Permit Shield in Effect.** ***

**SECTION E. Source Group Restrictions.**

Group Name: SG26 MILL BURNERS

Group Description: Mill Burners

Sources included in this group

ID	Name
070	STECKEL MILL BURNER 1, B-55
071	STECKEL MILL BURNER 2, B-55
072	STECKEL MILL BURNER 3, B-55
073	STECKEL MILL BURNER 4, B-55

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

002 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall limit the combined total NO_x emissions from Generator 1 (Source ID 372), the three reheat furnaces (Source IDs 132, 133 and 134) and the four mill box burners (Source IDs 070, 071, 072 and 073) to 12 tons in any consecutive 12-month period.

Fuel Restriction(s).**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall limit the emissions to the outdoor atmosphere of sulfur oxides by firing only natural gas in the sources within this source group.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

At all times you must operate and maintain the mill box burners in a manner consistent with good air pollution control practices for minimizing emissions.

**SECTION E. Source Group Restrictions.****VII. ADDITIONAL REQUIREMENTS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: SG27 B55 REHEAT FURNACES

Group Description: Reheat Furnaces

Sources included in this group

ID	Name
132	BATCH REHEAT FURNACE 1, B-55
133	BATCH REHEAT FURNACE 2, B-55
134	BATCH REHEAT FURNACE 3, B-55

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

002 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall limit the combined total NO_x emissions from Generator 1 (Source ID 372), the three reheat furnaces (Source IDs 132, 133 and 134) and the four mill box burners (Source IDs 070, 071, 072 and 073) to 12 tons in any consecutive 12-month period.

Fuel Restriction(s).**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall limit the emissions to the outdoor atmosphere of sulfur oxides by firing only natural gas in the sources within this source group.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain all records in a method suitable to the Department. The records shall contain, at a minimum, the following information:

a. For each source:

1. The date of the tuning/inspection procedure
2. The name of the service company and technicians

b. The following total for all three furnaces on a per month basis and a 12-month rolling total:

1. Amount of natural gas fired
2. Air emissions

**SECTION E. Source Group Restrictions.****V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall perform a biennial adjustment/inspection and/or tune-up on each furnace including the following:

- a. Inspection, adjustment, cleaning or replacement of all fuel-burning equipment, including the burners, and any moving parts necessary for proper operation as specified by the manufacturer.
- b. Inspection of the flame pattern or characteristics and adjustments necessary to minimize the emissions of NOx and to the extent practical minimize emissions of CO.
- c. Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.

006 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

At all times you must operate and maintain the reheat furnaces in a manner consistent with good air pollution control practices for minimizing emissions.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: SG28 RACT 3 CASE-BY-CASE REQUIREMENTS

Group Description: RACT III Case-by-Case Sources

Sources included in this group

ID	Name
104A	BLOCK 3 NITRIC PICKLING LINE
185	20T WALK FURN #1 F643; B-112
186	ROTARY FORGE FURN F-641; B-118
187	20T WALK FURN #2 F681; B-112
300	#14 ANNEAL FURNACE F-562 B-94
381	#4 ANNEALING FURNACE, F-476, B-94
777	4000 TON PRESS BATCH FURNACE F-860
778	4000 TON PRESS BATCH FURNACE F-861

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.**# 001 [25 Pa. Code §129.114]****Alternative RACT proposal and petition for alternative compliance schedule**

The following constitutes a case-by-case RACT 3 determination for the affected sources in this group:

I. Source 104A

a. The permittee shall maintain and adhere to standard operating procedures and maintenance plans Source 104A, which shall address good operation and maintenance practices, including the addition of urea in the nitric acid baths to minimize the risk of NO_x release to reduce personnel exposure; and the use of heat exchangers to minimize NO_x formation.

b. The permittee shall maintain records of any maintenance or modifications performed on Source 104A.

c. The permittee shall calculate and record the actual annual NO_x emissions using appropriate emissions factors from U.S. EPA Publication AP-42 or appropriate alternative emission factors based on PADEP review, coupled with appropriate

**SECTION E. Source Group Restrictions.**

operational and throughput data.

d. The permittee shall maintain written documentation of the items in (a)-(c) above for five years. The records shall be made available to the Department upon written request.

II. Sources 185, 186 & 187:

a. The permittee shall perform inspections of combustion systems/burners at least once every 18-month period.

b. The permittee shall perform inspections of furnace structure and dampers at least once every 18-month period.

III. Sources 300, 381, 777 & 778:

a. The permittee shall perform cold inspections of combustion systems/burners and condition of refractory/burner tiles as applicable at least once every 18-month period.

b. The permittee shall perform hot inspections of furnace structure for "hot spots", tight doors seals, and fully functional dampers at least once every 18-month period.

IV. For all the furnaces in this group:

a. The permittee shall maintain and adhere to standard operating procedures and maintenance plans for the affected sources, which shall address good operation and maintenance practices, including the items in II and III to minimize NOx emissions.

b. The permittee shall maintain records of any maintenance or modifications performed on the sources.

c. The permittee shall calculate and record the actual annual NOX emissions using appropriate emissions factors from U.S. EPA Publication AP-42 or appropriate alternative emission factors based on PADEP review, coupled with appropriate operational and throughput data.

d. The permittee shall maintain written documentation of the items in (a)-(c) above for five years. The records shall be made available to the Department upon written request.

e. All of the furnaces in this group except Walking Beam Furnace #2 are currently equipped with Low NOx Burners, and shall remain so equipped.

*** **Permit Shield in Effect.** ***

**SECTION E. Source Group Restrictions.**

Group Name: SG29 RACT 3 PRESUMPTIVE REQUIREMENTS

Group Description: RACT III Presumptive Requirements

Sources included in this group

ID	Name
041A	MISCELLANEOUS BOILERS < 20 MMBTU
047	#5 BOILER F-645, B-48 (JOHNSTON)
048	#3 BOILER F-572, B-48 (C-B)
049	#4 BOILER F-573, B-48 (C-B)
065	STRIP MILL BOILER F-863 B-048(CT 723)
107	STRIP CLEANING LINE 7 B-48B
111A	AIR MAKE UP BLDG 154
126	ELECTRIC ARC FURNACE A
127	ELECTRIC ARC FURNACE B
128	ELECTRIC ARC FURNACE D
130	ELECTRIC ARC FURNACE E
132	BATCH REHEAT FURNACE 1, B-55
133	BATCH REHEAT FURNACE 2, B-55
134	BATCH REHEAT FURNACE 3, B-55
140A	RACT 2 SMALL FURNACES
177	ELECTRIC ARC FURNACE F
194	KEROSENE TREATMENT
195	TCE- WEB VAPOR DEGREASER
372	ROLLING MILL GENERATOR 1
375	EMERGENCY GEN - COMPUTER CENTER
376	EMERGENCY GEN - VACUUM INDUCTION MELT DEPT
377	EMERGENCY GEN - ELECTROSLAG
378	EMERGENCY GEN - CLEANING LINES
379	NON-EMERGENCY GENERATORS - VARIED LOC PRE-2006
379A	EMERGENCY GENERATORS - VARIED LOC PRE-2006
379B	EMERGENCY GENERATORS - VARIED LOC POST-2006
385	MAKE-UP AIR UNITS
400	BENCH NITRIC/HF TUBS NORTH B48
448	OIL QUENCH TANK- B-4
456	VARIOUS AUXILIARY UNITS BLDG 84

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

**SECTION E. Source Group Restrictions.****IV. RECORDKEEPING REQUIREMENTS.**

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.**# 001 [25 Pa. Code §129.112]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule**

(a) The owner and operator of a source listed in one or more of subsections (b)—(k) located at a major NO_x emitting facility or major VOC emitting facility subject to § 129.111 (relating to applicability) shall comply with the applicable presumptive RACT requirement or RACT emission limitation, or both, beginning with the specified compliance date as follows, unless an alternative compliance schedule is submitted and approved under subsections (n)—(p) or § 129.114 (relating to alternative RACT proposal and petition for alternative compliance schedule):

(1) January 1, 2023, for a source subject to § 129.111(a).

(2) January 1, 2023, or 1 year after the date the source meets the definition of a major NO_x emitting facility or major VOC emitting facility, whichever is later, for a source subject to § 129.111(b).

(b) The owner and operator of a source listed in this subsection that is located at a major NO_x emitting facility or major VOC emitting facility subject to § 129.111 shall comply with the applicable presumptive RACT requirements in paragraph (1) and recordkeeping and reporting requirements in paragraph (2). [THIS APPLIES TO SOURCES 047, 048, 049 & 065]

(1) The owner or operator of a:

(i) Combustion unit or process heater with a rated heat input equal to or greater than 20 million Btu/hour and less than 50 million Btu/hour shall conduct a biennial tune-up in accordance with the procedures in 40 CFR 63.11223 (relating to how do I demonstrate continuous compliance with the work practice and management practice standards?).

(A) Each biennial tune-up shall occur not less than 3 months and not more than 24 months after the date of the previous tune-up.

(B) The biennial tune-up must include, at a minimum, the following:

(I) Inspection and cleaning or replacement of fuel-burning equipment, including the burners and components, as necessary, for proper operation as specified by the manufacturer.

(II) Inspection of the flame pattern and adjustment of the burner, as necessary, to optimize the flame pattern to minimize total emissions of NO_x and, to the extent possible, emissions of CO.

(III) Inspection and adjustment, as necessary, of the air-to-fuel ratio control system to ensure proper calibration and operation as specified by the manufacturer.

(ii) Combustion unit or process heater with an oxygen trim system that maintains an optimum air-to-fuel ratio that would otherwise be subject to a biennial tune-up shall conduct a tune-up of the boiler one time in each 5-year calendar period in accordance with the following:

(A) Each tune-up shall occur not less than 3 months and not more than 60 months after the date of the previous tune-

**SECTION E. Source Group Restrictions.**

up.

(B) The tune-up must include, at a minimum, the following:

(I) Inspection and cleaning or replacement of fuel-burning equipment, including the burners and components, as necessary, for proper operation as specified by the manufacturer.

(II) Inspection of the flame pattern and adjustment of the burner, as necessary, to optimize the flame pattern to minimize total emissions of NO_x and, to the extent possible, emissions of CO.

(III) Inspection and adjustment, as necessary, of the air-to-fuel ratio control system to ensure proper calibration and operation as specified by the manufacturer.

(2) The applicable recordkeeping and reporting requirements of § 129.115(f) and (i) (relating to written notification, compliance demonstration and recordkeeping and reporting requirements).

(3) Compliance with the applicable presumptive RACT requirements in paragraph (1) and recordkeeping and reporting requirements in paragraph (2) assures compliance with the provisions in §§ 129.93(b)(2), (3), (4) and (5) and 129.97(b)(1), (2) and (3) (relating to presumptive RACT emissions limitations; and presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule).

(c) The owner and operator of a source listed in this subsection that is located at a major NO_x emitting facility or major VOC emitting facility subject to § 129.111 shall install, maintain and operate the source in accordance with the manufacturer's specifications and with good operating practices:

(1) A NO_x air contamination source that has the potential to emit less than 5 TPY of NO_x. [THIS APPLIES TO SOURCES 107, 111A, 400 & 448]

(2) A VOC air contamination source that has the potential to emit less than 2.7 TPY of VOC. [THIS APPLIES TO SOURCES 194, 195 & 448]

(3) A natural gas compression and transmission facility fugitive VOC air contamination source that has the potential to emit less than 2.7 TPY of VOC.

(4) A boiler or other combustion source with an individual rated gross heat input less than 20 million Btu/ hour. [THIS APPLIES TO SOURCES 041A, 132, 133, 134, 140A, 385 & 456]

(5) A combustion turbine with a rated output less than 1,000 bhp.

(6) A lean burn stationary internal combustion engine rated at less than 500 bhp (gross). [THIS APPLIES TO SOURCES 379, 379A & 379B]

(7) A rich burn stationary internal combustion engine rated at less than 100 bhp (gross).

(8) An incinerator, thermal oxidizer, catalytic oxidizer or flare used primarily for air pollution control.

(9) A fuel-burning unit with an annual capacity factor of less than 5%.

(i) For a combustion unit, the annual capacity factor is the ratio of the unit's heat input (in million Btu or equivalent units of measure) to the unit's maximum rated hourly heat input rate (in million Btu/hour or equivalent units of measure) multiplied by 8,760 hours during a period of 12 consecutive calendar months.

(ii) For an electric generating unit, the annual capacity factor is the ratio of the unit's actual electric output (expressed in MWe/hr) to the unit's nameplate capacity (or maximum observed hourly gross load (in MWe/hr) if greater than the nameplate capacity) multiplied by 8,760 hours during a period of 12 consecutive calendar months.

(iii) For any other unit, the annual capacity factor is the ratio of the unit's actual operating level to the unit's potential

**SECTION E. Source Group Restrictions.**

operating level during a period of 12 consecutive calendar months.

(10) An emergency standby engine operating less than 500 hours in a 12-month rolling period. [THIS APPLIES TO SOURCES 372, 375, 376, 377 & 378]

(11) An electric arc furnace. [THIS APPLIES TO SOURCES 126, 127, 128, 130 & 177]

***** Permit Shield in Effect. *****



SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this Title V facility.



SECTION G. Emission Restriction Summary.

No emission restrictions listed in this section of the permit.

**SECTION H. Miscellaneous.**

#001A

This Title V Operating Permit significant modification addresses RACT 3 presumptive and case-by-case requirements, and the consolidation and updating of RACT 1 requirements. This permit supersedes the previous permit of this number, which was last amended on 1/15/19.

#001B: This permit addresses the requirements from plan approvals at this facility through Plan Approval No. 06-05007R, and supersedes those permits.

#002A

The source #041A (10 Miscellaneous Boilers) includes the following small (less than 20 million BTU/hr) Natural Gas/No. 2 Fuel Oil fired boilers located throughout the facility:

AIMS 045 Boiler (Industrial) F-662 in B-055
 AIMS 046 Boiler (Industrial) F-663 in B-055
 AIMS 051 Boiler F-638 in B-109
 AIMS 052 Boiler F-639 in B-109
 AIMS 053 Boiler F-657 in B-122
 AIMS 054 Boiler F-658 in B-122
 AIMS 056 Boiler F-474 in B-068
 AIMS 060 Boiler F-475 in B-068
 AIMS 063 Boiler (Hot Water) F-583 in B-100
 AIMS 069 Boiler F-903 in B-030

#002B

Source #041B includes the following 40 CFR 63 Subpart DDDDD Impacted Units Less Than 10 mmBtu/hr

AIMS ID	Source Name	Heat Input (mmBtu/hr)
045	Boiler - B055	4.2
046	Boiler - B055	4.2
051	Boilers - B109, F638, F639	4.2
052	Boiler - B109	4.2
053	Boiler - B122	9.9
054	Boiler - B122	9.9
056	Boiler - B068	8.4
060	Boiler - B068	8.4
068	B25 Boiler	0.8
069	B30 Boiler	2.7
160	#55 Ann. Fce. - B048	7.9
234	Bench Sodium-Hydride Furnace	5.0
235F	Salt Bath Furnace - B154	8.0
242	#11 B.A. Line - B048A	1.6
245	#10 B.A. Line - B048A	3.9
246	#4 B.A. Line - B048A	2.6
248	#32 Ann. Fce. - B048A	2.4
254	#1 Strip Line Furnace - B048B	2.3
394	Rectangular Bell Furnace - B48	6.5
720	Heavy Gauge Vertical Furnace	4.6
721	Light Line #1 Vertical Furnace	4.6
722	Light Line #2 Vertical Furnace	4.6
792	VIM Ladle Preheater F-792	1.5
792	VIM Ladle Preheater F-897	1.5

#003

The source #145A (four (4) batch furnaces) includes the following small (less than 20 million BTU/hr) natural gas/No. 2 fuel oil heating furnaces located in Building B-1:

**SECTION H. Miscellaneous.**

AIMS 145 10" Hot Mill #3 Furnace F-452; B-1
 AIMS 146 10" Hot Mill #1 Furnace F-480; B-1
 AIMS 147 10" Hot Mill #2 Furnace F-481; B-1
 AIMS 149 10" Hot Mill #4 Furnace F-740; B-1

#004

The source #151A (seven (7) heating furnaces) include the following small (less than 20 million BTU/hr) natural gas/No. 2 fuel oil fired heating furnaces located in Building B-2:

AIMS 151 16" Mill "C" Batch Furnace F-341; B-2
 AIMS 152 #35 Annealing Furnace F-360; B-2
 AIMS 153 #36 Annealing Furnace F-361; B-2
 AIMS 154 16" Mill "A" Furnace F-479; B-2
 AIMS 155 #18 Annealing Furnace F-586; B-2
 AIMS 156 16" Mill "D" Furnace F-741; B-2
 AIMS 157 16" Mill "B" Furnace F-742; B-2

#005

The source #158A (six (6) Heating Furnaces) includes the following small (less than 20 million BTU/hr) natural gas/No. 2 fuel oil fired heating furnaces located in Building B-55 & B-64:

AIMS 158 Strip Quench Furnace F-387; B-55
 AIMS 159 #4 Mill "D" Batch Furnace F-412; B-55
 AIMS 163 #4 Mill "G" Batch Furnace F-624; B-55
 AIMS 164 #4 Mill "H" Batch Furnace F-660; B-55
 AIMS 382 #4 Mill "F" Batch Furnace F-623; B-55
 AIMS 769 Annealing Furnace F-726; B-64

#006

The source #160A (eight (8) heating furnaces) includes the following small (less than 20 million BTU/hr) natural gas/No. 2 fuel oil fired heating furnaces located in Building B-48:

AIMS 160 #55 Annealing Furnace F-465; B-48
 AIMS 221 Morrison Baker-Block #1 Furnace F-261; B-48
 AIMS 222 #84 Annealing Furnace F-331; B-48
 AIMS 224 #85 Annealing Furnace F-870; B-48
 AIMS 225 #86 Annealing Furnace F-340; B-48
 AIMS 226 #94 Annealing Furnace F-357; B-48
 AIMS 227 #22 Annealing Furnace F-404; B-48
 AIMS 234 Bench Sodium Hydride Furnace F-702; B-48

#007

The source #173A (five (5) Tundish Heating Units) include the following small (less than 20 million BTU/hr) natural gas/No. 2 fuel oil fired heating units located in the Melt Shop Buildings B-89, B-101 & B-108:

AIMS 173 Concast Tundish, North Preheater F-700; B-101
 AIMS 174 Concast Tundish, South Preheater F-701; B-101
 AIMS 208 Tundish Lining Heater F-752; B-89
 AIMS 209 Tundish Lining Heater F-753; B-89
 AIMS 767 Tundish Shroud Preheat Furnace F-703; B-101

#008

The source #182A (two (2) General furnaces) include the following small (less than 20 million BTU/hr) natural gas/No. 2 fuel oil fired heating units located in building B-68:

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AIMS 182 General Furnace L01188; B-68
 AIMS 775 General Furnace F-1069; B-68

#009

The source 200A (six (6) Annealing Furnaces) include the following small (less than 20 million BTU/hr) natural gas/ No. 2 fuel oil fired heating units located in Building B-4:

AIMS 200 #96 Annealing Furnace F-394
 AIMS 201 #97 Annealing Furnace F-395
 AIMS 202 #23 Annealing Furnace F-413
 AIMS 203 #24 Annealing Furnace F-414
 AIMS 204 #98 Annealing Furnace F-437
 AIMS 205 #99 Annealing Furnace F-438

#010

The source 211A (twelve (12) Ladle Heaters) includes the following small (less than 20 million BTU/hr) natural gas/No. 2 fuel oil fired heating units located in the Melt Shop buildings B-28, B-31 and B-113:

AIMS 211 B-28 Vertical, Ladle Heater F-378
 AIMS 212 Center Vertical, Ladle Heater F-461
 AIMS 213 South Vertical, Ladle Heater F-462
 AIMS 214 North Vertical, Ladle Heater F-470
 AIMS 215 B-31 South Horizontal, Ladle Heater F-618
 AIMS 216 B-31 North Horizontal, Ladle Heater F-619
 AIMS 217 B-31 Center Horizontal, Ladle Heater F-625
 AIMS 305 B-113 Vertical, Ladle Heater F-460
 AIMS 306 B-113 South Horizontal, Ladle Heater F-694
 AIMS 309 B-113 North Horizontal, Ladle Heater F-697
 AIMS 310 B-113 Center Horizontal, Ladle Heater F-698
 AIMS 791 Ceramic Pot Drying Oven F-857

#011

The source 242A (four (4) Heating Furnaces) include the following small (less than 20 million BTU/hr) natural gas/No. 2 fuel oil fired heating furnaces located in Building B-48A:

AIMS 242 #11 Bright Annealing Line Furnace F-442
 AIMS 245 #10 Bright Annealing Line Furnace F-536
 AIMS 246 #4 Bright Annealing Line Furnace F-548
 AIMS 248 #32 Annealing Furnace F-617

#012

The source 251A (one (1) Heating Furnace) include the following small (less than 20 million BTU/hr) natural gas/No. 2 fuel oil fired heating furnace located in Building B-48B:

AIMS 254 #1 Strip Line Furnace F-409

#013

The source 283A (six (6) Heating Furnaces) includes the following small (less than 20 million BTU/hr) natural gas/No. 2 fuel oil fired heating furnaces located in Building B-78:

AIMS 283 #37 Annealing Furnace F-392
 AIMS 284 #38 Annealing Furnace F-393
 AIMS 286 3000T #5A Batch Furnace F-483
 AIMS 290 #2 Annealing Furnace F-487

**SECTION H. Miscellaneous.**

AIMS 291 #3 Annealing Furnace F-488
AIMS 295A Batch Reheat Furnace F-915, B78

#014

The source 302A (twelve (12) Miscellaneous Heating Processes) include the following small (less than 20 million BTU/hr) natural gas/No. 2 fuel oil fired heating processes located in buildings B-89, B-97, B-108 and B-113:

AIMS 170 #2 AOD, Preheater F-580; B-89
AIMS 302 Portable Holding Furnace F-765; B-97
AIMS 307 #3 AOD, Preheater F-695; B-113
AIMS 308 #3 AOD, Weekend Burner F-696; B-113
AIMS 383 #2 AOD, Weekend Burner F-772; B-89
AIMS 601 #1 AOD, Weekend Burner F-780; B-89
AIMS 709 Launder Preheater, East F-793; B-108
AIMS 710 Scrap Hot Box Burner F-795; B-108
AIMS 771 Linder Preheat West F-794; B-108
AIMS 768 Wisconsin Tundish Drying Oven F-709, B-108
AIMS 792 VIM "E" Ladle Preheater F-792, B-108
AIMS 792 VIM "E" Ladle Preheater F-897, B-108

#015

The source 312A (eight (8) Annealing Furnaces) include the following small (less than 20 million BTU/hr) natural gas/No. 2 fuel oil fired annealing furnaces located in Building B-120:

AIMS 312 #70 Annealing Furnace F-654
AIMS 313 #44 Annealing Furnace F-656
AIMS 314 #71 Annealing Furnace F-704
AIMS 315 #72 Annealing Furnace F-705
AIMS 316 #73 Annealing Furnace F-706
AIMS 317 #74 Annealing Furnace F-707
AIMS 318 #75 Annealing Furnace F-959, B-120
AIMS 858 Combustion Training Furnace F-858, B-120

#016

The source 320A (eight (8) Heating Furnaces) include the following small (less than 20 million BTU/hr) natural gas/No. 2 fuel oil fired heating furnaces located in Building B-105:

AIMS 321 #19 Annealing Furnace F-593
AIMS 322 #20 Annealing Furnace F-594
AIMS 323 #21 Annealing Furnace F-595
AIMS 324 #25 Annealing Furnace F-597
AIMS 325 #26 Annealing Furnace F-598
AIMS 326 #29 Annealing Furnace F-609
AIMS 327 #30 Annealing Furnace F-610
AIMS 328 #31 Annealing Furnace F-613

#017

The source 330A (Eleven #5 Mill Furnaces) includes the following small (less than 20 million BTU/hr) natural gas/No. 2 fuel oil fired batch furnaces located in Building B-112:

AIMS 330 Furnace F-629 (#5 Mill "A")
AIMS 331 Furnace F-630 (#5 Mill "B")
AIMS 332 Furnace F-631 (#5 Mill "C")
AIMS 333 Furnace F-632 (#5 Mill "D")
AIMS 334 Furnace F-633 (#5 Mill "E")

**SECTION H. Miscellaneous.**

- AIMS 335 Furnace F-670 (#5 Mill Trial Billet Furnace)
- AIMS 336 Furnace F-672 (#5 Mill "F")
- AIMS 337 Furnace F-673 (#5 Mill "G")
- AIMS 338 Furnace F-674 (#5 Mill "H")
- AIMS 344 Furnace F-718 (#5 Mill "I")
- AIMS 345 Furnace F-739 (#5 Mill "J")

#018

The source 354A (Four Rotary Forge Heating Furnaces) includes the following small (less than 20 million BTU/hr) natural gas/No. 2 fuel oil fired heating furnaces located in Buildings B118 & B150:

- AIMS 354 North Rest. Furnace F-650
- AIMS 355 South Rest. Furnace F-651
- AIMS 356 #2 Batch Furnace F-668
- AIMS 357 #1 Batch Furnace F-669

#019

The source 192 (Cold Cleaning & Washing/Mineral Spirits) includes the following small sources at various locations:

- AIMS 190 Cold degreaser - B-112
- AIMS 192 Mineral Spirits Unit Group - Various Buildings
- AIMS 441 Cold Cleaning Part Washers - B-131
- AIMS 444 Cold Cleaning Part Washers - B-048B
- AIMS 446 Cold Cleaning Part Washers - B-030
- AIMS 450 Cold Cleaning Part Washers - B-055
- AIMS 427 Cold Cleaning Part Washers - B-055

#020

Source ID #386 - Tip Heaters & Hot Box Burners include the following components:

- AIMS 716 Hot Box F-824
- AIMS 717 Hot Box F-836

#21

The sources Identified as "Emitting Group" cover all fugitive emissions emitted from the building as a result of the various operations occurring within the building. These sources are only subject to the Section C fugitive emission limits. The sources included in this group are:

- AIMS 401 Building B-1
- AIMS 402 Building B-48
- AIMS 403 Building B-55
- AIMS 404 Building B-73
- AIMS 405 Building B-75
- AIMS 406 Building B-97
- AIMS 407 Building B-101
- AIMS 408 Building B-112
- AIMS 409 Building B-118
- AIMS 410 Building B-48A
- AIMS 411 Building B-48L
- AIMS 412 Building B-48X

#022

The Source 379 (Non-Emergency Generators - Varied Locations Pre-2006) includes the following natural gas fueled generator engines installed prior June 12, 2006, and subject to 40 CFR 63 Subpart ZZZZ:

**SECTION H. Miscellaneous.**

	BLDG	HP	
a.	031	40	- RACT 1
b.	033	24	- RACT 1
c.	034	20	- RACT 1
d.	048	40	- RACT 1
e.	048	20	- RACT 1
f.	048	74	- RACT 1
g.	053	3	- RACT 1
h.	054	20	- RACT 1
i.	054	27	- RACT 1
j.	055	40	
k.	058	12	- RACT 1
l.	064	7	- RACT 1
m.	073	34	- RACT 1
n.	087	20	- RACT 1
o.	094	25	
p.	097	40	- RACT 1
q.	104	5	- RACT 1
r.	104	40	- RACT 1
s.	108	17	- RACT 1
t.	109	20	- RACT 1
u.	112	40	- RACT 1
v.	118	25	- RACT 1
w.	120	12	- RACT 1
x.	129	54	- RACT 1
y.	150	17	
z.	152	20	

The Source 379A (Emergency Generators - Varied Locations Pre-2006) includes the following natural gas fueled emergency generator engines installed prior June 12, 2006, and subject to 40 CFR 63 Subpart ZZZZ:

	BLDG	HP	
a.	068	100	- RACT 1
b.	152	134	

The Source 379B (Emergency Generators - Varied Locations Post-2006) includes the following natural gas fueled emergency generator engines subject to 40 CFR 60 Subpart JJJJ:

	BLDG	BHP	INSTALLED	EPA Certified?
cc.	078	34	2014	Yes (per manufacturer)
dd.	118	25	2015	Yes (per manufacturer)
ee.	055	107	2020	Yes (per manufacturer)

#023

Source Group SG16 contains the 40 CFR 60 Subpart IIII conditions for the following No. 2 fuel oil fueled emergency generator engines:

SOURCE	BLDG	BHP	INSTALLED	EPA Certified?	
	375	104	670	2011	Yes (per manufacturer)
	376	108	1100	2009	Yes (per manufacturer)
	377	84	1000	2008	Yes (per manufacturer)
	378	48	670	2008	Yes (per manufacturer)

#024

The following sources are classified as insignificant:

- a. Bar End Coating

**SECTION H. Miscellaneous.**

- b. Aggregate of all saws
- c. Aggregate of insignificant units identified in previous applications and units determined by the Department to be insignificant
- d. Alloy Bins -
- e. Vacuum Arc Remelt (VAR) Furnaces
- f. Vacuum Induction Melting (VIM) Furnaces "B" & "C"; B-64
- g. Z-Mill Oil Mist
- h. Ingot Stripper, West Bay,
- i. PCE Vapor Degreaser
- j. 05S Stand Rolling Mill, Strip - B055
- k. Z-Mill Oil Mist - B048
- l. Abrasive Bar Pointer
- m. Powder Atomization
- n. Abrasive Cutoff Saw
- o. Lime Silo
- p. Abrasive Saw -100 Hp
- q. Abrasive Cut Off Machine
- r. Blasting Cabinet
- s. Paved Road Fugitives
- t. Cont Strand torch cut
- u. Dry Cutoff Abrasive Saw (442; B-48) R & D
- v. Rolling Mills; B-75
- w. Vertical Draw Block; B-129
- x. Make Up Air Handler; B-129
- y. Natural gas fired steel heating furnaces less than 10 mmBtu/hr
- z. Bar turner (SCR RFD #0370)
- aa. Horizontal ladle heater (SCR RFD #0511)
- bb. Pig caster heater (SCR RFD #0661)
- cc. Small wire processing cell in B-150
- dd. Small Abrasive Saw in B-91

#025

The data listed in Section A, Site Inventory List, Columns 3 and 4, and Section D, capacity and fuel/material, are for descriptive purposes and are not limitations.

#026

In accordance with 25 PA Code Section 127.208(2) the Department in Plan Approval No. 06-05007P authorized the transfer and use of 54 tons of NOx Emission Reduction Credits (ERC's) for offset purposes from GenOn Energy, Inc. (a.k.a. GenOn REMA, LLC) to Carpenter Technology Corporation. The 54 tpy of NOx ERCs previously registered to GenOn Energy REMA, LLC were generated from the retirement of a combustion turbine at the Wayne Generating Station in Cochran, Crawford County, Pennsylvania on February 21, 2004. The Department certified and registered the 54 tpy of NOx ERCs on July 7, 2010. The offsetting NOx ERC's were approved for use by Carpenter Technology Corporation in replacing the existing Block 1 steel coil cleaning line with a new Block 3 steel coil cleaning line. This approval was in accordance with the requirements of 25 PA Code Chapter 127, Subpart E (relating to New Source Review) including 127.205(4) and 127.210. In accordance with 25 PA Code Section 127.208(2), the 54 tons per year of NOx ERC's are no longer subject to the ten-year expiration date under Section 127.206(f) except as specified in Section 127.206(g).

#027

The source 140A includes the following small (less than 20 million BTU/hr & >1 tpy NOx) furnaces:

AIMS ID Source Name & Heat Input (mmBtu/hr)

- 140 Rotary Sludge Dryer F751 B131 6.9
- 145A Hot Mills #3 Batch 4.5
- 145A Hot Mills #1 Batch 9.0
- 145A Hot Mills #2 Batch 9.0
- 145A Hot Mills #4 Batch 4.5
- 151A 16" Mill - "C" Batch 2.7
- 151A #35 Annealing Furnace 5.62
- 151A #36 Annealing Furnace 6.38
- 151A 16" Mill - "A" Batch 6.0

**SECTION H. Miscellaneous.**

151A #18 Annealing Furnace 8.48
151A 16" Mill - "D" Batch 2.7
151A 16" Mill - "B" Batch 2.5
158A Strip Quench Furnace 3.31
158A #4 Mill - "D" Batch 7.85
158A #4 Mill - "G" Batch 7.5
158A #4 Mill - "H" Batch 9.4
160A #55 Annealing Furnace F-465 7.9
160A Morrison Baker Block #1 Furnace
160A #84 Annealing Furnace 5.3
160A #85 Annealing Furnace 9.5
160A #86 Annealing Furnace 2.4
160A #94 Annealing Furnace 8.7
160A #22 Annealing Furnace 10.0
160A Bench Sodium Hydride Furnace 5.0
169 #1 AOD Preheater 2.3
173A Concast Tundish Preheater North 5.1
173A Concast Tundish Preheater South 7.1
173A Tundish Lining Heater F-752
173A Tundish Lining Heater F-753
173A Tundish Shroud Preheat Furnace F-703
182A General Furnace F-1188 0.6
182A General Furnace F-1069 2.5
200A #96 Annealing Furnace 2.62
200A #97 Annealing Furnace 2.62
200A #23 Annealing Furnace 10.4
200A #24 Annealing Furnace 10.4
200A #98 Annealing Furnace 2.62
200A #99 Annealing Furnace 2.62
211A B-28 Vertical, Ladle Heater
211A Center Vertical, Ladle Heater
211A South Vertical Ladle 3.6
211A North Vertical Ladle 3.6
211A South Horizontal Ladle 2.4
211A North Horizontal Ladle 2.7
211A Center Horizontal Ladle 2.7
211A South Horizontal Ladle B113 4.0
211A North Horizontal Ladle B113 6.0
211A Vertical Ladle B113 2.8
211A Center Horizontal Ladle B113 6.0
211A Ceramic Pot Drying Oven F-857
223 #83 Annealing Furnace 3.3
235F Salt Bath Furnace B-154
242 #87 Annealing Furnace 4.8
242A #10 Bright Annealing Line 3.85
242A #4 Bright Annealing Line 2.59
242A #32 Annealing Furnace 5.5
251A #1 Strip Line Furnace 3.75
283A #37 Annealing Furnace 6.5
283A #38 Annealing Furnace 6.5
283A #2 Car Bottom Annealing Furnace 8.0
283A #3 Car Bottom Annealing Furnace 7.8
292A #65 & #66 Car Bottom Furnaces 9.7
293 3000 Ton #9 Batch 12.0
295A B78 Batch Reheat 14.0
296A B78 Batch Reheat 14.0
302A #2 AOD Preheater F-580 3.6
302A Portable Holding Furnace 3.0
302A #3 AOD Preheater B113 10.0

**SECTION H. Miscellaneous.**

302A #3 AOD Weekend Burner B113 10.0
302A #2 AOD Weekend Burner 3.0
302A #1 AOD Weekend Burner 3.0
302A Scrap Hot-Box Burner F-795
302A Launder Preheater East F-793
302A Winsconsin Tundish Drying Oven F-709
302A VIM "E" Ladle Preheater F-897 1.5
302A VIM "E" Ladle Preheater F-792 1.5
312A #70 Annealing Furnace 12.0
312A #44 Annealing Furnace 16.4
312A #71 Annealing Furnace 8.6
312A #72 Annealing Furnace 8.6
312A #73 Annealing Furnace 8.0
312A #74 Annealing Furnace 8.0
312A #75 Annealing Furnace 4.8
312A Combustion Training Furnace
320A #19 Annealing Furnace 9.2
320A #20 Ball Track Annealing Furnace 9.2
320A #21 Ball Track Annealing Furnace 9.2
320A #25 Car Bottom Annealing Furnace 6.4
320A #26 Car Bottom Annealing Furnace 6.4
320A #29 Ball Track Annealing Furnace 6.4
320A #30 Ball Track Annealing Furnace 8.0
320A #31 Car Bottom Annealing Furnace 12.0
330A #5 Mill - "A" Batch 10.6
330A #5 Mill - "B" Batch 10.6
330A #5 Mill - "C" Batch 10.6
330A #5 Mill - "D" Batch 10.6
330A #5 Mill - "E" Batch 10.6
330A #5 Mill Trial Billet Furnace
330A #5 Mill - "F" Batch 10.6
330A #5 Mill - "G" Batch 10.6
330A #5 Mill - "H" Batch 10.6
330A #5 Mill - "I" Batch 10.6
330A #5 Mill - "J" Batch 10.6
354A North Rest Furnace
354A South Rest Furnace
354A Rotary Forge - #2 Batch 12.0
354A Rotary Forge - #1 Batch 12.0
358 12 Ton Walking Beam Furnace 18.9
381 #4 Mill - "F" Batch 10.0
389 #3 Batch Furnace 12.0
390 #6B Batch Furnace 15.0
391 #8A Batch Furnace 15.0
392 #63 Annealing Furnace 5.0
393 #64 Annealing Furnace 5.0
394 #62 Rectangular Bell Furnace 6.5
395 #45 Roller Rail Furnace 16.4
396 #60 Annealing Furnace 12.0
397 #76 Car Bottom Furnace 8.6
398 Car Bottom Furnace 8.6
461 #5 Batch Anneal Furnace 7.0
462 #6 Batch Anneal Furnace 7.0
463 #7 Batch Anneal Furnace 7.0
464 #8 Batch Anneal Furnace 7.0
471 #7 Furnace 8.0
475 Batch Heating Furnace 8.0
476 Batch Heating Furnace 9.0
477 Batch Heating Furnace 9.0

**SECTION H. Miscellaneous.**

484 #5 Mill - "K" Batch 8.0
485 #5 Mill - "L" Batch 8.0
486 MBatch Furnace 8.8
602 No. 12 S. Tray Ball Track Ann. Fur. 9.4
701 #6A Batch Reheat Furnace 15.0
702 #8B Batch Reheat Furnace 15.0
703 #4 Homo Reheat Furnace 12.0
704 #5 Homo Reheat Furnace 15.0
705 #6 Homo Reheat Furnace 15.0
706 3000T #1 Batch Reheat Furnace 15.0
707 3000T #3 Batch Reheat Furnace 15.0
708 Reheat Furnace 12.0
718 Reheat Furnace 12.0
719 Bell Annealing Furnace 2.76
720 Heavy Gauge Vertical Furnace 4.59
721 Light Line #1 Vertical Furnace 4.59
722 Light Line #2 Vertical Furnace 4.59
728 4000T Press Batch Furnace F-848 10.0
729 4000T Press Batch Furnace F-849 15.0
730 4000T Press Batch Furnace F-850 15.0
731 4000T Press Batch Furnace F-851 15.0
732 4000T Press Batch Furnace F-852 15.0
733 4000T Press Batch Furnace F-853 15.0
734 4000T Press Batch Furnace F-854 15.0
736 4000T Press Batch Furnace F-856 14.0
771 F-794 Launder Preheat West
773 Coil Baker Oven North
774 Coil Baker Oven South
779 #11 Annealing Furnace 10.0
790 4500T DIE Heating System



***** End of Report *****
