SECTION 4

Battery 1B Combustion Stack

PA- 65-00863A OFFICIAL FILE COPY

ER-AQ-16: Rev. 8/95

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF AIR QUALITY

COMBUSTION

Submit in Triplicate

Application for Plan Approval to Construct, Modify or Reactivate an Air Contamination Source and/or Air Cleaning Device

		Section A - Identity	and Locatio	n of Air Contai	ninatio	n Source	
1A.		Application is being made for:			- 	AL USE ONLY	· · · · · · · · · · · · · · · · · · ·
		Construction of New Source Reactivation of a Source Modification of Existing Source Installation of Air Cleaning Device Amendment to a Previous Application Previous Application No. Other		-	Plant Co Unit ID Date Re Review Potentia	eccived ed By	
					PM NO _X	SO ₂	VOC
						Emissions (TPY)	
*					PM	SO ₂	voc
					NO _X	co	Other
					Change	in Actual Emissions (+ or -)	
					PM	SO ₂	voc
					NOx	co	Other
1B. 1C.		Type of source COMBUSTIC	N STACK - U	NDERFIRE	1		
ic.		□ NEW □	EXISTING				
1D.		If source is new, does it replace another	ource YES	7	NO	1E. Expected date of comp	eletion
2A.		Owner of source		·····	2B,	Employer I.D. No. (Federal	l IRS No.)
		KOPPERS INDUSTRIES, INC., MOI	NESSEN COK	E PLANT		25-1588399	
3A.		Owners designation of source and /or pla if any BATTERY 1B COMBU STACK. THE APPLICATION WILL ADDRESS EMISSIONS OF NOX AN SINCE THESE POLLUTANTS ARE ADDRESSED IN THE RACT PERM	STION L ONLY D VOC	3B. Location of sa (Street address or 345 DONNER A' MONESSEN, PA	Route No VENUE	Political Subdivis (Township, etc.) MONESSEN	westmoreland
3C.		Mailing address (Street or P.O. Box, Cit 345 DONNER AVENUE					3D. Telephone No. 724-684-1009
4A.		MONESSEN, PENNSYLVANIA 1500 Person to contact regarding this Application (name and title) GREGORY SHAMITKO		ldress (Street, P.O. 345 DONNER A' MONESSEN, PE	VENUE	-	4C. Telephone No. 724-684-1009
5.		Official signing application must be an ag for operation of the facility to which this of the facility he should be responsible for	application app	lies. Although he r e design.			1
responding the state of the sta	sibil fores	ARD JAMES BURKHART, being durity for the design and operation of the facigoing application is true to the best of my land subscribed before me this 3/4 and subscribed before me	lities to which t mowledge, info	his application appl	ies and ti	nat the information included	rimary

		Section B.2 - Comb	ustion Units Inforn	nation			
1. 0	COMBUSTION UNITS						
A.	Manufacturer	_: -:			C. No. of Units		
	AMERICAN BRIDGE		KOPPERS - BECKE	CRS	,	1	
D.	Rated heat input (Btu/hr)	E.	Peak heat input (Btu/h	nr)	F. Use		
	~ 134 MMBTU/HR				UNDERFIR	ING	
G.	Method firing						
	SEQUENTIALLY						
2. F	UEL REQUIREMENTS						
	TYPE	QUANTITY	ANNUALLY	SULFUR	% ASH	BTU	
		HOURLY			(WEIGHT)	CONTENT	
OIL	NUMBER	GPH @	x 10 ³ Gal.	% by wt.		Btu/Gal. &	
	+	60 °F	3			lbs/Gal. @ 60°F	
NAT	TURAL GAS			Ì			
14111	OR LE GAS	SCFH	x 10° SCF	/100 CCE		D+./9CE	
		SCFR	X 10 SCF	gr/100 SCF		Btu/SCF	
GAS	(OTHER)						
		SCFH	x 10 ⁶ SCF	gr/100 SCF		Btu/SCF	
COA	AL .			ļ			
		TPH	Tons	% by wt.		Btu/lb.	
OTH	IER						
•	COG	~ 245,000 scf/hr	~ 2,200 mmcf/yr	45 gr/100 sef	Trace	~ 490-550 BTU/SCF	
2 0	OMBUSTION AIDS, CONTRO			45 81/100 361	X14cc	470 350 B1 0/50X	
[]	A. Oven fire jets	LS, AND MONTORS	*******	l	NT1 .	TT-1-1-1	
ΕJ	NA			Туре	Number	Height above grate	
<u> </u>	.B. Draft controls			T			
ſJ	NA			Туре			
[]	C. Oil preheat	7.0					
i j	NA						
11	D. Soot cleaning	******		Tamana (0E)	F		
ГЛ	NA			Temperature (°F)	Frequency		
$\overline{11}$	E. Stack sprays	~ 41	- u-nun	Method			
1 1	NA			Method			
[]	F. Opacity monitoring device				Method	Cost	
	NA				Method	Cost	
[X]	G. Sulfur oxides monitoring de	avice		Туре	Method	Cost	
[]	H2S Monitor	SVICE		Tutweiler	Memod	Cost	
<u>[]</u>	H. Nitrogen oxides monitoring	device		Туре	Method	Cost	
LJ	NA	, device		1 γρε	Method	Cost	
[]	I. Fuel metering and/or recordi	na devices		Туре	Method	Cost	
ı,	NA.	ing devices		Турс	Wiellod	Cost	
[]	J. Atomization interlocking de	vice		Туре	Method	Cost	
ГЛ	NA	¥100		Type	Method	Cosi	
[]	K. Collected flyash re entrainm	ent preventative device		Туре			
	NA	ione proventative device		Турс			
[]	L. Modulation controls						
		[] Step [].	Automatic				
		r					
4.	[] Flyash reinjection	Describe Operation				•	
	NA.	· · - <u>A</u>					

5. Describe method of supplying make up air to the furnace room.

6.	OPERATING SCHEDULE	- Combustion Units Ii	nformation, Contin	ued
	24 hours/day		ays/week	52 weeks/year
7.	SEASONAL PERIODS (MONTH	IS) ALL YEAR I	ROUND	
Op	erating using primary fuelto	O	perating using seco	-
				to
		Non-operating to	· · · · · · · · · · · · · · · · · · ·	
8.	If heat input is in excess of 250 x rate of fuel burned; heating value; oxides emissions; and if electric g maximum hourly generation rate.	sulfur and ash conten	nt of fuels; smoke, s	ulfur oxides and nitrogen
	NA			
9.	ON MARCH 20, 2003. THE RALLIMITATIONS FOR NOX ANI STATISTICAL ANALYSIS USI ATTACHMENT 1 WHICH CO	ER LETTER, KH IS CT PERMIT IMPO O VOC. KH WISHI NG STACK TESTI NTAINS THE STAT	DSES BOTH HOU ES TO REVISE TO NG DATA FROM FISTICAL ANAL	I 1996 TO PRESENT. REFER TO YSIS REPORT.
10.	Type and method of disposal of al (Is a Solid Waste Disposal Permit			
	NA			
11.	Briefly describe the method of han control equipment. (Is a Water quality Management Personal		from this boiler and	d its associated air pollution
	NA			
12.	Attach any and all additional information	nation necessary to p	erform a thorough	evaluation of this boiler.
	NA			

Section D - Fi	ue ana Air Contaminan	t Emission Information	
1. STACK AND EXHAUSTER			
A Timbourton (otto al. fam.	•	TID 🔿	DD) (
A. Exhauster (attach fan curves)	in w.g.	HP @	RPM
B. Stack height above grade (ft)	C. Stack dia	meter (ft)	D. Weather Cap
210	11.25		☐ YES ☑ÎNO
E. Indicate on an attached sheet the loca	tion of sampling ports	with respect to exhaust f	an, breeching, etc.
Give all necessary dimensions. FOUR 90 DEGREE OPPO	ACED CAMDI INC DO	ADTC TECT DADTC	LOCATED
61 FEET DOWNSTREAM			
NEAREST DISTURBANC		DANCE MID 100 PE.	or o
F. Can the control equipment be bypasse	ed: (If Yes, explain)	YES	□NO
NA			
NA			
2. ATMOSPHERIC EMISSIONS			
***************************************	*****		
A. Particulate matter emissions (lbs/hr o			
NA - Application for NOx	and VOC limits only		
B. Gaseous contaminant emissions			
	ncentration		
(1) NOx ppm (Vol.)	lbs/hr	159.1 lb/hr, maxi	
(2) <u>VOC</u> ppm (Vol.)		84.5 lb/hr, maxi	mum
(3)ppm (Vol.)	lbs/hr		
C. Outlet volume of exhaust gases			
~36,400 CF	M (Standard)		
@°F			
<u>~17</u> %.	Moisture		

Section E - Miscellaneous Information

1. Describe fully facilities to monitor and record the emission of air contaminants. Provide detailed information to show that the facilities provided are adequate. Include cost and maintenance information. Periodic maintenance reports are to be submitted to the Department.

ANNUAL STACK TEST

2. Attach Air Pollution Episode Strategy (if applicable)

NA

- 3. The following requirements are applicable only to construction of a new source.
 - a. Briefly describe the nature of the area in which the proposed source is located. Attach a copy of the appropriate portion of the quadrangle map (71/2' scale) published by the U.S. Geological Survey and identify the location of proposed source.

NA

b. Demonstrate that the establishment of the new source is justifiable as a result of necessary economic or social development.

NA

4. Attach calculations and any additional information necessary to thoroughly evaluate compliance with all the applicable requirements of Article III of the rules and regulations of the Department of Environmental Resources and those requirements promulgated by the Administrator of the United States Environmental Protection Agency pursuant to the provisions of the Clean Air Act.

REFER TO ADDENDUM A FOLLOWING THIS FORM.

5. List all attachments made to this Application.

REFER TO TABLE OF CONTENTS OF PACKAGE

Addendum A: Source Applicable Requirements

Describe and cite all applicable requirements pertaining to this source.

Note: A Method of Compliance Worksheet (Addendum 1) must be completed for each requirement listed.

ONLY APPLICABLE REQUIREMENTS PERTAINING TO NOX AND VOC EMISSIONS WILL BE ADDRESSED. ALL OTHER APPLICABLE REQUIREMENTS ARE CONTAINED IN THE TITLE V PERMIT APPLICATION.

Citation Number	Citation Limitation	Limitation Used
Plan Approval 65-000-853	RACT Permit	NA
Plan Approval 65-305-048	Annual Stack Test For NOx and VOC	NA
25 PA 129.91-129.95	RACT Proposal	NA

Section 1: Applicable Requirement	nent		
Federal Tax Id: 25-1588399	Firm Name:	Koppers Indust	ries, Inc.
Plant Code:	Plant Name:	Monessen Col	te Plant
Applicable Requirement for:	(please check	only one box below)	
The entire site			
A group of sources, Group l	ID		
X A single source, Unit ID:		Battery 1B Combustic	on Stack
Alternative Scenario, Scena	rio Name:		
Citation #:	65-00	00-853	
This plan approval (Condition 6 &	& 7) imposes the		C emission limitations for the unit:
	60.7 lb/hr	286 tpy	
	0.3 lb/hr	1.0 tpy	
KII wishes to revise these limits a			
	159.1 lb/hr	454 tpy	
	84.5 lb/hr	139 tpy	
These proposed limits were derive			
statistical approach to derive limi			
if a next reading is taken at a 99%	6 confidence into	erval. The annual limits	are the upper bound of
range expected to contain the mea	an value of the in	afinite parent population	1.
Compliance Method based upon:	Applie	cable Requirement X	Gap Filling Requirement
Method of Compliance Type: (Check all that app	plies and complete all app	propriate sections below)
Monitoring X	Testing	X	Reporting
Record Keeping	Workpractice	Standard	
Section 2: Monitoring			
1. Monitoring device type (stack te	st, CEM, etc):		
2. Monitoring device locations			
3. Describe all parameters being me each parameter?	onitored along wi	ith the frequency and dura	ation of monitoring
4. How will data be reported?	• • • •		

Addendum 1: Method of Compliance Worksheet Section 3: Testing For demonstration of hourly emissions: 1. Reference Test Method Description: NOx - USEPA Method 7E VOC - USEPA Method 18 and 25A 2. Reference Test Method Citation: See above Condition 8 requires annual testing of this unit. Condition 9 requires all testing to be performed in accordance with 25 PA 139and the PADEP Source Testing Manual. Condition 10 requires a pre-test protocol at 60 days in advance. Condition 11 requires notification to PADEP two weeks in advance performance test. Condition 12 requires two copies of stack test results to be submitted within 60 days of completion of the test. Section 4: Record Keeping Describe what parameters will be recorded and the frequency of recording: Section 5: Reporting 1. Describe what is to be reported and the frequency of reporting: Annual emission statements, in accordance with 25 PA 135.21, will be submitted to demonstrate compliance with the annual emission limitations. KII will develop an average emission factor using all testing data to calculate annual emissions. 2. Reporting start-date: Section 5: Work Practice Standard Describe any work practice standards:

Federal Tax Id: 25-1588399	Firm Na	me: Kop	pers Indust	ries, Inc.
Plant Code:	Plant Na	me: <u>Mo</u>	nessen Cok	e Plant
Applicable Requirement for:	(please ch	eck only one box	below)	
The entire site				
A group of sources, Group I	m _			
X A single source, Unit ID:	_	Battery 1B	Combustio	n Stack
Alternative Scenario, Scena	rio Name: _	<u></u>	0.5	
Citation #:	(5-305-048		
Compliance Method based upon:		pplicable Require	ment X	Gap Filling Requiren
Method of Compliance Type: (Check all the	at applies and com	plete all app	ropriate sections below
Monitoring X	Testing			Reporting
Record Keeping	Workpra	ctice Standard		
Section 2: Monitoring				
1. Monitoring device type (stack te	st, CEM, etc):		
2. Monitoring device locations				
3. Describe all parameters being m each parameter?				

T Reference Lesi Memog Description:	NOx - USEPA Method 7E
Reference Test Method Description:	VOC - USEPA Method 18 and 25A
2. Reference Test Method Citation:	See above
accordance with 25 PA 139 and the PA protocol at 60 days in advance. Condit	This unit. Condition 16 requires all testing to be performed DEP Source Testing Manual. Condition 17 requires a pre-tion 18 requires notification to PADEP two weeks in advances two copies of stack test results to be submitted within 60
Section 4: Record Keeping	
Describe what parameters will be recorded an	nd the frequency of recording:
Section 5: Reporting	
1. Describe what is to be reported and the fre	equency of reporting:
2. Reporting start-date:	
Section 5: Work Practice Standard	
Describe any work practice standards:	

Federal Tax Id: <u>25-1588399</u>	Firm Name:	Koppers Indust	ries, Inc.
Plant Code:	Plant Name:	Monessen Col	ke Plant
Applicable Requirement for:	(please check only	y one box below)	
The entire site			
A group of sources, Group	mD		
X A single source, Unit ID:	B	attery 1B Combustic	on Stack
Alternative Scenario, Scena	rio Name:		
Citation #:			
Compliance Method based upon:	Applicabl	e Requirement X	Gap Filling Requirement
Method of Compliance Type: (Check all that applies	s and complete all app	propriate sections below)
Monitoring	Testing		Reporting
Record Keeping X	Workpractice Sta	ndard	
Section 2: Monitoring			
Monitoring device type (stack te	st CEM etc):		
 Monitoring device locations 			
3. Describe all parameters being me	onitored along with the	he frequency and dura	ition of monitoring
each parameter?			
each parameter?			

Section 3: Testing For demonstration of hourly emissions:
1. Reference Test Method Description:
2. Reference Test Method Citation:
Section 4: Record Keeping
Describe what parameters will be recorded and the frequency of recording:
Section 5: Reporting
Describe what is to be reported and the frequency of reporting:
2. Reporting start-date:
Section 5: Work Practice Standard
Describe any work practice standards: RACT proposal submitted to PADEP June 1994, in accordance with this rule.

SECTION 5

Battery 2 Combustion Stack

ER-AQ-16: Rev. 8/95

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF AIR QUALITY

COMBUSTION

Submit in Triplicate

Application for Plan Approval to Construct, Modify or Reactivate an Air Contamination Source and/or Air Cleaning Device

	Section A - Identity and Location	on of Air Conta	minatio	on Source	
1A.	Application is being made for:			IAL USE ONLY	
	Construction of New Source Reactivation of a Source Modification of Existing Source Installation of Air Cleaning Device Amendment to a Previous Application Previous Application No		Plant C Unit ID Date Re Review	ode cceived ced By	
	Other	-	1	al Emissions (TPY)	***
			PM NO _X		VOC Other
			INO _X		Outer
			Actual 1	Emissions (TPY)	
			PM	SO ₂	voc
			NO _X	co	Other
			Change	in Actual Emissions (+)	or.)
			PM	in Actual Emissions (+ o SO ₂	VOC
			NO _X		Other
1B.	Type of source COMBUSTION STACK - U	NDERFIRE			
1C.	Plant in which source is located				
	□ NEW ☑ EXISTING				
1D.	If source is new, does it replace another source			1E. Expected date of c	completion
	☐ YES	V	NO	NA.	
2A.	Owner of source KOPPERS INDUSTRIES, INC., MONESSEN COK	E PLANT	2B,	Employer I.D. No. (Fed 25-1588399	deral IRS No.)
3A.	Owners designation of source and /or plant if any BATTERY 2 COMBUSTION STACK. THE APPLICATION WILL ONLY ADDRESS EMISSIONS OF NOX AND VOC SINCE THESE POLLUTANTS ARE	3B. Location of s (Street address or 345 DONNER A MONESSEN, PA	Route No VENUE	Political Sub- C.) (Township, et MONESSEN	tc.)
3C.	ADDRESSED IN THE RACT PERMIT. Mailing address (Street or P.O. Box, City, Zip Code)	<u> </u>			3D. Telephone No.
	345 DONNER AVENUE MONESSEN, PENNSYLVANIA 15062				724-684-1009
4A.	Person to contact regarding 4B. Mailing ad	ldress (Street, P.O. 345 DONNER A		y State Zip Code)	4C. Telephone No. 724-684-1009
	GREGORY SHAMITKO	MONESSEN, PI	ENNSYL	VANIA 15062	
5.	Official signing application must be an agent of the Comp for operation of the facility to which this application app			_	
	of the facility he should be responsible for approval of the				
	•	AFFIDAVIT			
espor	CHARD JAMES BURKHART , being duly sworn according to the design and operation of the facilities to which the	his application app	lies and th		
	foregoing application is true to the best of my knowledge, infor	rmation and belief.	-		
	ato and subscribed before me this day	· · · · · · · · · · · · · · · · · · ·	Signatu		rant
1	Notatian Seal Ella L. Watkins, Notary Public Monessen, Westmoreland County My Commission Expires Nov. 24, 2003		PLANT	MANAGER	

Section B.2 - Combustion	Units Information
--------------------------	-------------------

1. 0	COMBUSTION UNITS					
A.	Manufacturer	В.	Model No.		C. No. of Units	
	AMERICAN BRIDGE		UNDERJET			1
D.	Rated heat input (Btu/hr)	E.	Peak heat input (Btu/h	r)	F. Use	
	~ 90 MMBTU/HR				UNDERFIR	ING
G.	Method firing		,		*	
	SEQUENTIALLY					
2. F	UEL REQUIREMENTS					
	TYPE	QUANTITY	ANNUALLY	SULFUR	% ASH	BTU
		HOURLY			(WEIGHT)	CONTENT
OIL	NUMBER	GPH @	x 10 ³ Gal.	% by wt.	(Btu/Gal. &
		60 °F				lbs/Gal. @ 60°F
NAT	URAL GAS					
. 11	Old ID GAS	SCFH	x 10° SCF	gr/100 SCF		Btu/SCF
	(0777777)	SCITI	A TO BOT	g/100 SCF		Bu/scr
GAS	(OTHER)		400000			
		SCFH	x 10° SCF	gr/100 SCF		Btu/SCF
COA	L.]	
		TPH	Tons	% by wt.		Btu/lb.
OTH	IER.					
	COG	~ 165,000 scf/hr	~ 1,500 mmcf/yr	45 gr/100 scf	Trace	~ 490 - 550 BTU/SCF
3 C	OMBUSTION AIDS, CONTRO	·	· · · · · · · · · · · · · · · · · · ·	S		
[]	A. Oven fire jets	LD, MID MONTONS		Туре	Number	Height above grate
. ,	NA.			Type	Marrioci	Height above grace
[]	B. Draft controls	·		Туре		
. ,	NA			Турс		
[]	C. Oil preheat					
	NA					
[]	D. Soot cleaning	****		Temperature (°F)	Frequency	
	NA			Tomporature (1)	Trequency	
$\overline{1}$	E. Stack sprays		******	Method		
	NA			2.200.00		
[]	F. Opacity monitoring device		****		Method	Cost
. ,	NA				1.200.00	
[X]	G. Sulfur oxides monitoring de	vice	***.	Туре	Method	Cost
-	H2S Monitor			Tutweiler		
[]	H. Nitrogen oxides monitoring	device	**	Туре	Method	Cost
~ -	NA			-31-		
$\overline{\Box}$	I. Fuel metering and/or recording	ng devices	· · · · · · · · · · · · · · · · · · ·	Туре	Method	Cost
	NA	_		**		
[]	J. Atomization interlocking dev	vice		Туре	Method	Cost
	NA					
[]	K. Collected flyash re entrainm	ent preventative device	-1. V	Туре		
	NA			••		
[]	L. Modulation controls	****				*
		[] Step [] A	Automatic			
			7000 1			
4.	[] Flyash reinjection	Describe Operation				
	NA					
				0		
5.	Describe method of supplying n	nake up air to the furnac	e room.	***************************************		

6.	OPERATING SCHEDULE	nbustion Units Information, Continue	<i>-</i>
	24 hours/day	7 days/week	52 weeks/year
7.	SEASONAL PERIODS (MONTHS)	ALL YEAR ROUND	
Ope	erating using primary fuel to	Operating using secon	ndary fuel to
		Non-operating to	
8.	If heat input is in excess of 250 x 106 F rate of fuel burned; heating value; sulfu oxides emissions; and if electric genera maximum hourly generation rate.	r and ash content of fuels; smoke, su	lfur oxides and nitrogen
	NA		
9.	Describe modification to boiler in detail AS DESCRIBED IN THE COVER LON MARCH 20, 2003. THE RACT LIMITATIONS FOR NOX AND VOSTATISTICAL ANALYSIS USING SATTACHMENT 1 WHICH CONTATIVE and method of disposal of all was	ETTER, KII IS RENEWING THI PERMIT IMPOSES BOTH HOU C. KII WISHES TO REVISE TH STACK TESTING DATA FROM INS THE STATISTICAL ANALY	ESE LIMITS BASED ON A 1996 TO PRESENT. REFER TO SIS REPORT.
10.	(Is a Solid Waste Disposal Permit need		
	NA		
11.	Briefly describe the method of handling control equipment. (Is a Water quality Management Permit		l its associated air pollution
	NA		
12.	Attach any and all additional information	n necessary to perform a thorough e	valuation of this boiler.
	NA		

	ie ana Air Contaminant Emis			
. STACK AND EXHAUSTER				
A. Exhauster (attach fan curves)	in w.g	HP @		RPM
B. Stack height above grade (ft) 235	C. Stack diameter ((ft)	D. Weather	r Cap
3. Indicate on an attached sheet the loca	tion of sampling ports with re	snect to exhaust	fan breechin	a etc
Give all necessary dimensions.	don or sampling ports with re	opect to canada	ian, orcooning	5, 010.
	SED SAMPLING PORTS.			
	I NEAREST DISTURBANC	CE AND 150 FE	ET UPSTRE	CAM
NEAREST DISTURBANC	CE			
F. Can the control equipment be bypasse	ed: (If Vec. evaluin)	YES	□ NO	
. Our die control equipment de bypasse	d. (11 1 co, explain)	L TES	[_] NO	
NA				
2. ATMOSPHERIC EMISSIONS				
	/9CF D			
A. Particulate matter emissions (lbs/hr or				
2. ATMOSPHERIC EMISSIONS A. Particulate matter emissions (lbs/hr or NA - Application for NOx			y all any and a fine (ph. 4) and	
A. Particulate matter emissions (lbs/hr or NA - Application for NOx				
A. Particulate matter emissions (lbs/hr or NA - Application for NOx and B. Gaseous contaminant emissions				
A. Particulate matter emissions (lbs/hr or NA - Application for NOx and the second sec	and VOC limits only			
A. Particulate matter emissions (lbs/hr or NA - Application for NOx : 3. Gaseous contaminant emissions Contaminants Contaminants Contaminants Contaminants Contaminants	and VOC limits only ncentration lbs/hr	90.1 lb/hr, max		
A. Particulate matter emissions (lbs/hr or NA - Application for NOx section) 3. Gaseous contaminant emissions Contaminants Contaminants Contaminants (1) NOx ppm (Vol.) (2) VOC ppm (Vol.)	and VOC limits only ncentration lbs/hrlbs/hr	90.1 lb/hr, max 28.0 lb/hr, max		
A. Particulate matter emissions (lbs/hr or NA - Application for NOx : 3. Gaseous contaminant emissions Contaminants Contaminants Contaminants Contaminants Contaminants	and VOC limits only ncentration lbs/hr			
A. Particulate matter emissions (lbs/hr or NA - Application for NOx states and the states are not	and VOC limits only ncentration lbs/hrlbs/hr			
A. Particulate matter emissions (lbs/hr or NA - Application for NOx section) 3. Gaseous contaminant emissions Contaminants Contaminants Contaminants (1) NOx ppm (Vol.) (2) VOC ppm (Vol.)	and VOC limits only ncentration lbs/hrlbs/hr			
A. Particulate matter emissions (lbs/hr or NA - Application for NOx series) 3. Gaseous contaminant emissions Contaminants (1) NOx ppm (Vol.) (2) VOC ppm (Vol.) (3) ppm (Vol.) C. Outlet volume of exhaust gases	and VOC limits only ncentration lbs/hrlbs/hr			
A. Particulate matter emissions (lbs/hr or NA - Application for NOx states and the states are states as a state of the states are stat	and VOC limits only ncentration lbs/hrlbs/hr			

Section E - Miscellaneous Information

1. Describe fully facilities to monitor and record the emission of air contaminants. Provide detailed information to show that the facilities provided are adequate. Include cost and maintenance information. Periodic maintenance reports are to be submitted to the Department.

ANNUAL STACK TEST

2. Attach Air Pollution Episode Strategy (if applicable)

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- 3. The following requirements are applicable only to construction of a new source.
 - a. Briefly describe the nature of the area in which the proposed source is located. Attach a copy of the appropriate portion of the quadrangle map (71/2' scale) published by the U.S. Geological Survey and identify the location of proposed source.

NA

b. Demonstrate that the establishment of the new source is justifiable as a result of necessary economic or social development.

NA

4. Attach calculations and any additional information necessary to thoroughly evaluate compliance with all the applicable requirements of Article III of the rules and regulations of the Department of Environmental Resources and those requirements promulgated by the Administrator of the United States Environmental Protection Agency pursuant to the provisions of the Clean Air Act.

REFER TO ADDENDUM A FOLLOWING THIS FORM.

5. List all attachments made to this Application.

REFER TO TABLE OF CONTENTS OF PACKAGE

Addendum A: Source Applicable Requirements

Describe and cite all applicable requirements pertaining to this source.

Note: A Method of Compliance Worksheet (Addendum 1) must be completed for each requirement listed.

ONLY APPLICABLE REQUIREMENTS PERTAINING TO NOX AND VOC EMISSIONS WILL BE ADDRESSED. ALL OTHER APPLICABLE REQUIREMENTS ARE CONTAINED IN THE TITLE V PERMIT APPLICATION.

Citation Number	Citation Limitation	Limitation Used
Plan Approval 65-000-853	RACT Permit	NA
Plan Approval 65-305-048	Annual Stack Test For NOx and VOC	NA
25 PA 129.91-129.95	RACT Proposal	NA
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		1

war.		
10-4 <u>11.</u>		

Sectio	n 1: App	olicable Re	quirement			
Federa	al Tax Id: _	25-15883	99 Fi	m Name:	Koppers Indi	ustries, Inc.
Plant (Code:		Pl	ant Name:	Monessen C	Coke Plant
Applic	cable Requ	irement fo	r: (ple	ase check	only one box below)	
	The entire	site				
	A group o	f sources, C	Group ID		4444	
X	A single s	ource, Unit	ID:		Battery 2 Combust	tion Stack
	Alternativ	e Scenario,	Scenario Na	me:		
Citatio	n #:			65-0	00-853	
This p	lan approv	al (Condit	ion 6 & 7) i	nposes the	e following NOx and V	OC emission limitations for the uni
		NOx	55.4 ll		246 tpy	
	_	VOC	0.5 lb/		1.9 tpy	
KII wi	ishes to rev		mits as follo		2 < 0 ·	
		NOx	90.1 1		260 tpy	
Those		VOC	28.0 11		54 tpy	
					data from 1996 to pre	
						ound of the range expected
	_				erval I ne annual lim nfinite parent populat	its are the upper bound of
range	expected to	o Contain ti	ne mean vai	ue or the r	mmite parent populat	ion.
Compl	liance Met	hod based	upon:	Appli	cable Requirement X	Gap Filling Requirement
Method	d of Compl	iance Type:	: (Check	all that ap	plies and complete all a	appropriate sections below)
	Monitoring	g	X Te	sting	X	Reporting
	Record Ke	eping	W	orkpractice	Standard	
Section	ı 2: Mor	itoring				
1. Mor	nitoring dev	vice type (st	tack test, CE	M, etc):		
		vice location				
3. Des	cribe all pa	rameters be			ith the frequency and d	
	h paramete		-	_	• •	
4. How	v will data	be reported	?			
						

Section 3: Testing	
For demonstration of hourly emissions:	
1. Reference Test Method Description: NOx - USEPA Method 7E	
VOC - USEPA Method 18 and 25A	
2. Reference Test Method Citation: See above	
Condition 8 requires annual testing of this unit. Condition 9 requires all testing to be perform	
accordance with 25 PA 139 and the PADEP Source Testing Manual. Condition 10 requires a	
protocol at 60 days in advance. Condition 11 requires notification to PADEP two weeks in ac	
performance test. Condition 12 requires two copies of stack test results to be submitted with	in 60
days of completion of the test.	
Section 4: Record Keeping	
Describe what parameters will be recorded and the frequency of recording:	
Section 5: Reporting	
1. Describe what is to be reported and the frequency of reporting:	
Annual amission statements in a second secon	
Annual emission statements, in accordance with 25 PA 135.21, will be submitted to demonstrate compliance with the annual emission limitations. KII will develop an average	
emission factor using all testing data to calculate annual emissions.	
chission factor using an testing data to calculate annual emissions.	
2. Reporting start-date:	
Section 5: Work Practice Standard	
Describe any work practice standards:	

	Firm Name:	Koppers Indust	ries, Inc.
Plant Code:	Plant Name:	Monessen Col	ke Plant
Applicable Requirement for:	(please check only one box below)		
The entire site			
A group of sources, Group	ID		
X A single source, Unit ID:		Battery 2 Combustion	n Stack
Alternative Scenario, Scena	rio Name:		
Citation #:	65-305	-048	
Monitoring X Record Keeping		ies and complete all app	Reporting
Section 2: Monitoring			
1. Monitoring device type (stack te	1		
2. Monitoring device locations		•	 .
3. Describe all parameters being m each parameter?	onitored along wit	n the frequency and dura	ation of monitoring

Section 3: Testing
For demonstration of hourly emissions:
1. Reference Test Method Description: NOx - USEPA Method 7E
VOC - USEPA Method 18 and 25A
2. Reference Test Method Citation: See above
Condition 15 requires annual testing of this unit. Condition 16 requires all testing to be performed accordance with 25 PA 139 and the PADEP Source Testing Manual. Condition 17 requires a pre-t protocol at 60 days in advance. Condition 18 requires notification to PADEP two weeks in advance performance test. Condition 20 requires two copies of stack test results to be submitted within 60 days of completion of the test.
Section 4: Record Keeping
Describe what parameters will be recorded and the frequency of recording:
Section 5: Reporting
1. Describe what is to be reported and the frequency of reporting:
2. Reporting start-date:
Section 5: Work Practice Standard
Describe any work practice standards:

Section 1: Applicable Requirem	ient		
Federal Tax Id: 25-1588399	Firm Name:	Koppers Indust	ries, Inc.
Plant Code:	Plant Name:	Monessen Col	ce Plant
Applicable Requirement for:	(please check onl	y one box below)	
The entire site			
A group of sources, Group I	D		
X A single source, Unit ID:]	Battery 2 Combustion	n Stack
Alternative Scenario, Scenar	rio Name:		1
Citation #:	25 PA 129.91	-129.95	
Compliance Method based upon:	-	le Requirement X	Gap Filling Requiremen
Method of Compliance Type: (0	Check all that applie	s and complete all app	propriate sections below)
Monitoring	Testing		Reporting
Record Keeping X	Workpractice Sta	ndard ⁻	
Section 2: Monitoring			
1. Monitoring device type (stack tes	st, CEM, etc):		
3. Describe all parameters being mo each parameter?			
			10-1
4. How will data be reported?			

Section 3: Testing For demonstration of hourly emissions: 1. Reference Test Method Description:
2. Reference Test Method Citation:
Section 4: Record Keeping
Describe what parameters will be recorded and the frequency of recording:
Section 5: Reporting
1. Describe what is to be reported and the frequency of reporting:
2. Reporting start-date:
Section 5: Work Practice Standard
Describe any work practice standards: RACT proposal submitted to PADEP June 1994, in accordance with this rule.