



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
AIR QUALITY PROGRAM

**TITLE V/STATE OPERATING PERMIT**

Issue Date: January 22, 2026

Effective Date: February 5, 2026

Expiration Date: January 22, 2031

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: 65-00622**

Federal Tax Id - Plant Code: 25-1193904-1

**Owner Information**

Name: GEN CARBIDE CORP

Mailing Address: 1181 GARDEN ST  
GREENSBURG, PA 15601-6417

**Plant Information**

Plant: GEN CARBIDE CORP/HEMPFIELD

Location: 65 Westmoreland County 65001 Hempfield Township

SIC Code: 3544 Manufacturing - Special Dies, Tools, Jigs, And Fixture

**Responsible Official**

Name: DON W KRAFT

Title: MAINT AND FAC EHS MGR

Phone: (724) 672 - 4064 Ext.10

Email: dkraft@generalcarbide.com

**Permit Contact Person**

Name: DON KRAFT

Title: MAINT AND FAC EHS MGR

Phone: (724) 672 - 4064

Email: dkraft@generalcarbide.com

[Signature] \_\_\_\_\_

MARK R. GOROG, P.E., ENVIRONMENTAL PROGRAM MANAGER, SOUTHWEST REGION



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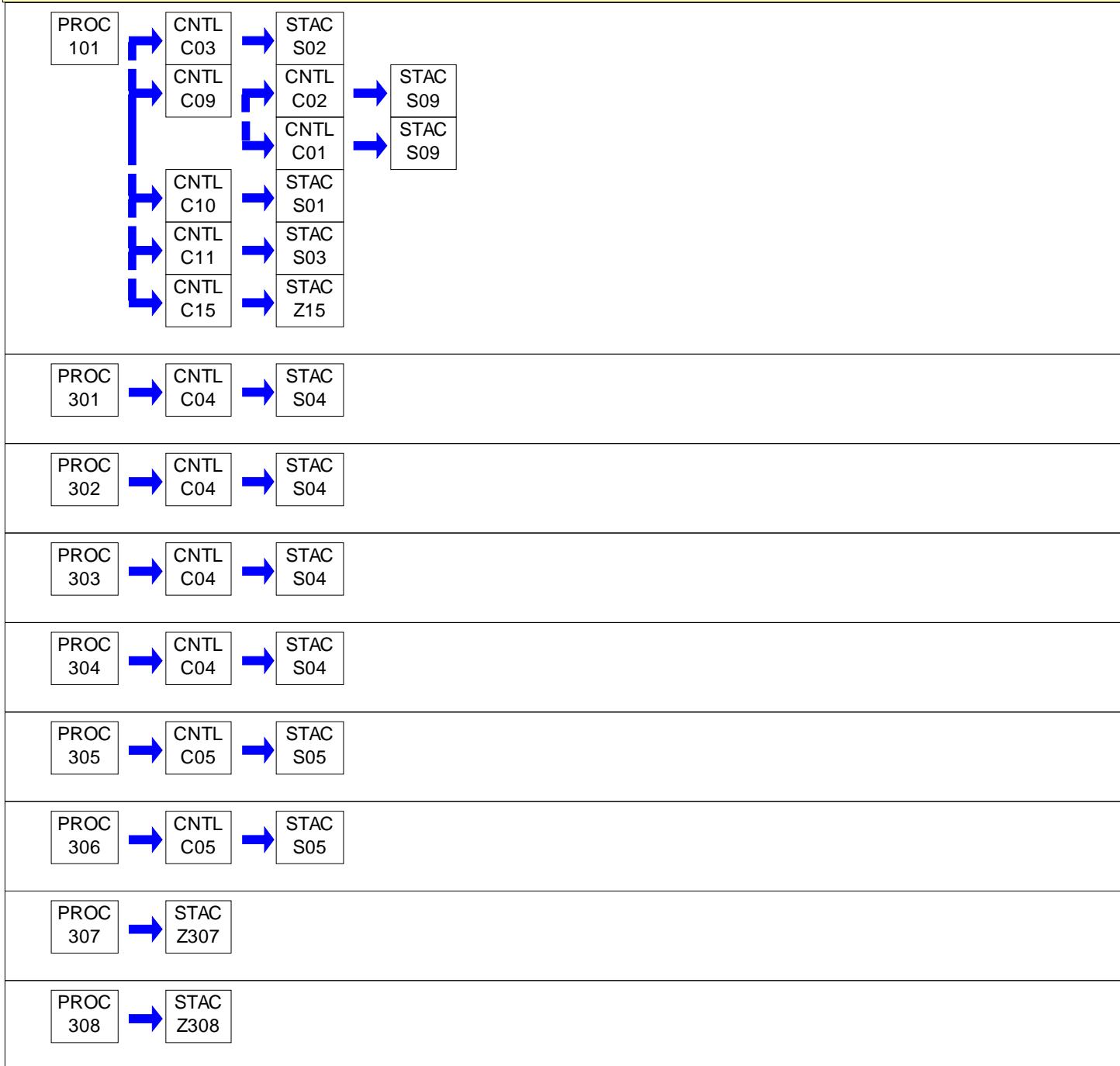


## SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
101	POWDER MANUFACTURING PROCESS PLANT 1	30.000 Lbs/HR	HEPTANE
301	POWDER PREP AREA PLANT 1	N/A	
302	FINAL FITZ AREA PLANT 1	N/A	
303	ISOPRESS ROOM 1 - EPSI PLANT 1	N/A	
304	ISOPRESS ROOM 2 - SC PLANT 1	N/A	
305	NICKEL ROOM PLANT 1	N/A	
306	SHAPE ROOM, PLANT 1	N/A	
307	FINISHING AREA PLANT 4	N/A	
308	BRAZING AREA, PLANT 4	N/A	
309	SHAPE ROOM, PLANT 3	N/A	
401	260-KW DIESEL-FIRED EMERGENCY GENERATOR	19.600 Gal/HR	Diesel Fuel
402	48-KW NATURAL GAS-FIRED EMERGENCY GENERATOR	0.893 MMBTU/HR	Natural Gas
501	PARTS WASHERS	N/A	
C01	CONDENSER FOR DRYERS IN UNIT 101		
C010	BAGHOUSE FOR FINISHING AREA PLANT 2		
C02	CONDENSER FOR DRYERS IN UNIT 101, PLANT 1		
C03	BAGHOUSE FOR BALL & DRYERS IN UNIT 101 (15,000 CFM) PLANT 1		
C04	BAGHOUSE FOR ISO PRESS, POWDER PREP, FINAL FITZ MILL & CRUSH		
C05	BAGHOUSE FOR NICKEL AREA PLANT 1 (BH#2), 15000 CFM		
C07	BAGHOUSE FOR SHAPE ROOM, 20,000 CFM, PLANT 3 (BH#5)		
C08	BAGHOUSE FOR SHAPE ROOM, 21,222 CFM, PLANT 3 (BH#6)		
C09	COOLING TOWER, PLANT 1		
C10	SOLVENT EXHAUST FAN, 15,580 CFM, PLANT 1		
C11	CONDENSER FOR SPRAY DRYER PLANT 1		
C15	LDAR		
S01	SOLVENT EXHAUST FAN -C10		
S02	STACK - C03 (FOR BH #4)		
S03	STACK - C11 (FOR SPRAY DRYER CONDENSER)		
S04	STACK - C04 (FOR BH #3)		
S05	STACK - C05 (FOR BH #2)		
S07	STACK - C07 (FOR BH #5)		
S08	STACK - C08 (FOR BH #6)		
S09	2" VENT ON C01 AND C02		
S401	260-KW DIESEL-FIRED EMERGENCY GENERATOR STACK		
S402	48-KW NATURAL GAS-FIRED EMERGENCY GENERATOR STACK		
Z15	FUGITIVE EMISSION		
Z307	FINISHING AREA PLANT 4 FUGITIVES		

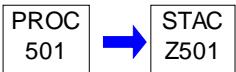
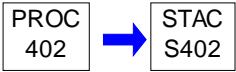
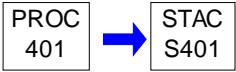
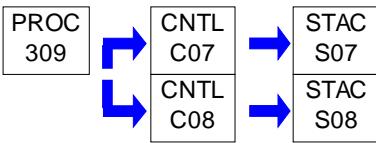
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
Z308	BRAZING AREA PLANT 4 FUGITIVES		
Z501	PARTS WASHERS FUGITIVES		

**PERMIT MAPS**



## PERMIT MAPS





## 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 Air Pollution Control Act (35 P.S. §§ 4001-4015).

### #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



## SECTION B. General Title V Requirements

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 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.



## SECTION B. General Title V Requirements

### #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.

### #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.



## SECTION B. General Title V Requirements

### #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].

### #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.



## SECTION B. General Title V Requirements

### #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.

(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 NOx from a single source during the term of the permit and 5 tons of NOx 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



## SECTION B. General Title V Requirements

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.

(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.



## SECTION B. General Title V Requirements

(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 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



## SECTION B. General Title V Requirements

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 § 127.513]

#### 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.

### #025 [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.
- (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.



## SECTION B. General Title V Requirements

### #026 [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.

### #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:



## SECTION B. General Title V Requirements

- (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.

(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.



## SECTION B. General Title V Requirements

- (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**

(a) No person may permit the emission into the outdoor atmosphere of fugitive air contaminant from a source other than the following:

- (1) Construction or demolition of buildings or structures.
- (2) Grading, paving and maintenance of roads and streets.
- (3) 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.
- (4) Clearing of land.
- (5) Stockpiling of materials.
- (6) Open burning operations.

(7) - (8) Not applicable.

(9) Sources and classes of sources other than those identified in paragraphs (1)-(8), for which the operator has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:

- (i) the emissions are of minor significance with respect to causing air pollution; and
- (ii) the emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

(b) An application form for requesting a determination under either subsection (a)(9) or 129.15(c) is available from the Department. In reviewing these applications, the Department may require the applicant to supply information including, but not limited to, a description of proposed control measures, characteristics of emissions, quantity of emissions, and ambient air quality data and analysis showing the impact of the source on ambient air quality. The applicant shall be required to demonstrate that the requirements of subsections (a)(9) and (c) and 123.2 (relating to fugitive particulate matter) or of the requirements of 129.15(c) have been satisfied. Upon such demonstration, the Department will issue a determination, in writing, either as an operating permit condition, for those sources subject to permit requirements under the act, or as an order containing appropriate conditions and limitations.

(c) [See Work Practice Requirements.]

(d) Not applicable.

##### # 002 [25 Pa. Code §123.13]

###### **Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from any process in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot, when the effluent gas volume is less than 150,000 dry standard cubic feet per minute.

##### # 003 [25 Pa. Code §123.2]

###### **Fugitive particulate matter**

A person may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in 123.1(a)(1) -- (9) (relating to prohibition of certain fugitive emissions) if such emissions are visible at the point the emissions pass outside the person's property.

##### # 004 [25 Pa. Code §123.22]

###### **Combustion units**

(a) Nonair basin areas. Combustion units in nonair basin areas must conform with the following:

- (1) General provision. A person may not permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO<sub>2</sub>, from a combustion unit in excess of the rate of 4 pounds per million Btu of heat input over a 1-hour period, except as



## SECTION C. Site Level Requirements

provided in paragraph (4).

(2) Commercial fuel oil.

(i) Except as specified in subparagraphs (ii) and (iii), a person may not offer for sale, deliver for use, exchange in trade or permit the use of commercial fuel oil in nonair basin areas if the commercial fuel oil contains sulfur in excess of the applicable maximum allowable sulfur content set forth in the following table:

Maximum Allowable Sulfur Content Expressed as Parts per Million (ppm) by Weight or Percentage by Weight  
Grades Commercial Fuel Oil (Consistent with ASTM D396) Beginning September 1, 2020:

No. 2 and lighter oil: 15 ppm (0.0015%)

### # 005 [25 Pa. Code §123.31]

#### Limitations

(a) Not applicable.

(b) A person may not 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.

(c) Not applicable.

### # 006 [25 Pa. Code §123.41]

#### Limitations

A person may not permit the emission into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emission is either of the following:

- (1) Equal to or greater than 20% for a period or periods aggregating more than three minutes in any 1 hour.
- (2) Equal to or greater than 60% at any time.

### # 007 [25 Pa. Code §123.42]

#### Exceptions

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

(a) when the presence of uncombined water is the only reason for failure of the emission to meet the limitations.  
(b) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.

(2) When the emission results from sources specified in §123.1(a)(1) -- (9) (relating to prohibition of certain fugitive emissions).

### # 008 [25 Pa. Code §127.441]

#### Operating permit terms and conditions.

A facility-wide inspection shall be conducted by the Owner/Operator at a minimum of once per day when the facility is in operation. The facility-wide inspection shall be conducted for the presence of the following:

- a. Visible stack emissions;
- b. Fugitive emissions; and
- c. Potentially objectionable odors at the property line.

These observations are to ensure continued compliance with source-specific visible emission limitations, fugitive



## SECTION C. Site Level Requirements

emissions prohibited under 25 Pa. Code §§123.1 or 123.2, and malodors prohibited under 25 Pa. Code §123.31. This observation does not require that it be performed by a person certified as a qualified observer for EPA Method 9 for Visual Determination of the Opacity of Emissions from Stationary Sources. Observations for visible stack emissions shall be conducted during daylight hours and all observations shall be conducted while sources are in operation. If any visible stack emissions, fugitive emissions, or potentially objectionable odors are apparent, the Owner/Operator shall take corrective action.

### # 009 [25 Pa. Code §127.441]

#### **Operating permit terms and conditions.**

Emissions from the facility shall not exceed 79.43 tons of Volatile Organic Compounds (VOCs) in any 12 consecutive month period. This cap will be based on total facility wide heptane consumption.

### # 010 [25 Pa. Code §129.14]

#### **Open burning operations**

(a) Air basins. [Not applicable.]

(b) Outside of air basins. No person may permit the open burning of material in an area outside of air basins in a manner that:

(1) The emissions are visible, at any time, at the point such emissions pass outside the property of the person on whose land the open burning is being conducted.

(2) Malodorous air contaminants from the open burning are detectable outside the property of the person on whose land the open burning is being conducted.

(3) The emissions interfere with the reasonable enjoyment of life or property.

(4) The emissions cause damage to vegetation or property.

(5) The emissions are or may be deleterious to human or animal health.

(c) Exceptions: The requirements of subsections (a) and (b) do not apply where the open burning operations result from:

(1) 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.

(2) A fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.

(3) A fire set for the prevention and control of disease or pests, when approved by the Department.

(4) A fire set in conjunction with the production of agricultural commodities in their unmanufactured state on the premises of the farm operation.

(5) A fire set for the purpose of burning domestic refuse, when the fire is on the premises of a structure occupied solely as a dwelling by two families or less and when the refuse results from the normal occupancy of such structure.

(6) A fire set solely for recreational or ceremonial purposes.

(7) A fire set solely for cooking food.

(d) Clearing and grubbing wastes. The following is applicable to clearing and grubbing wastes:

(1) As used in this subsection the following terms shall have the following meanings:

Air curtain destructor -- A mechanical device which forcefully projects a curtain of air across a pit in which open burning is being conducted so that combustion efficiency is increased and smoke and other particulate matter are contained.

Clearing and grubbing wastes -- Trees, shrubs, and other native vegetation which are cleared from land during or prior to the process of construction. The term does not include demolition wastes and dirt laden roots.

(2) Subsection (a) notwithstanding, clearing and grubbing wastes may be burned in a basin subject to the following requirements:



## SECTION C. Site Level Requirements

(i) Air curtain destructors shall be used when burning clearing and grubbing wastes.

(ii) Each proposed use of air curtain destructors shall be reviewed and approved by the Department in writing with respect to equipment arrangement, design and existing environmental conditions prior to commencement of burning. Proposals approved under this subparagraph need not obtain plan approval or operating permits under Chapter 127 (relating to construction modification, reactivation and operation of sources).

(iii) Approval for use of an air curtain destructor at one site may be granted for a specified period not to exceed 3 months, but may be extended for additional limited periods upon further approval by the Department.

(iv) The Department reserves the right to rescind approval granted if a determination by the Department indicates that an air pollution problem exists.

(3) Subsection (b) notwithstanding clearing and grubbing wastes may be burned outside of an air basin, subject to the following limitations:

(i) Upon receipt of a complaint or determination by the Department that an air pollution problem exists, the Department may order that the open burning cease or comply with subsection (b) of this section.

(ii) Authorization for open burning under this paragraph does not apply to clearing and grubbing wastes transported from an air basin for disposal outside of an air basin.

(4) During an air pollution episode, open burning is limited by Chapter 137 (relating to air pollution episodes) and shall cease as specified in such chapter.

## 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.

### # 011 [25 Pa. Code §123.43]

#### **Measuring techniques**

Visible emissions may be measured using either of the following:

(1) A device approved by the Department and maintained to provide accurate opacity measurements.

(2) Observers, trained and qualified to measure plume opacity with the naked eye or with the aid of any devices approved by the Department.

### # 012 [25 Pa. Code §127.441]

#### **Operating permit terms and conditions.**

The condensers shall be maintained at a temperature equal to or less than 60 degrees Fahrenheit. The monitor on the chiller unit shall visually show the inlet and outlet temperatures.

### # 013 [25 Pa. Code §127.511]

#### **Monitoring and related recordkeeping and reporting requirements.**

The Owner/Operator shall submit semi-annual monitoring reports for this facility by July 30th and January 30th of each year. The July 30th semi-annual monitoring report shall cover the period from January 1st through June 30th. The January 30th semi-annual monitoring report shall cover the period from July 1st through December 31st. This semi-annual monitoring report may be included in the January 30th Title V Compliance Certification required by Title 25 Pa. Code §127.513. However, in accordance with Title 25 Pa. Code §127.511(c), in no case shall the semi-annual monitoring report be submitted less often than every six (6) months. This may require that an interim semi-annual monitoring report (covering a period less than six (6) months) be submitted to bring the facility into compliance with this schedule.



## SECTION C. Site Level Requirements

### IV. RECORDKEEPING REQUIREMENTS.

#### # 014 [25 Pa. Code §127.441]

##### **Operating permit terms and conditions.**

The owner/operator shall track and record the hours of operation and all maintenance and repair operations of the ball mills, condensers units, and dryers (condensers) that could impact VOC emissions. This recordkeeping shall be conducted at a minimum of a monthly basis.

#### # 015 [25 Pa. Code §127.441]

##### **Operating permit terms and conditions.**

The owner/operator shall record all spills of VOC-containing material. Spills must be cleaned up so as to minimize atmospheric emissions. Emissions which occur as a result of spills shall be estimated and recorded. Those spills which are estimated to result in emissions exceeding 3 pounds per hour or 15 pounds per day shall be immediately reported to the Department and included in the annual air emission inventory in accordance with 25 Pa. Code §135.3.

#### # 016 [25 Pa. Code §127.441]

##### **Operating permit terms and conditions.**

The permittee shall maintain a record of all preventive maintenance inspections performed and all maintenance undertaken on all air contamination sources and all air cleaning devices. The permittee shall also maintain compliance demonstrations to demonstrate compliance with the 79.43 TPY VOC emission limitation in any 12 consecutive month period. Data or information required to determine compliance shall be recorded and maintained in a time frame consistent with the averaging period of the requirement.

Preventative maintenance records shall include, but are not limited to:

- a. Spray dryer process chiller water temperatures at the chiller's inlet and outlet pipes shall be recorded every batch production run.
- b. Quantity of VOC containing compounds used on a monthly basis.
- c. Total heptane consumption on a monthly basis.
- d. Total heptane recovered and total heptane loss on a monthly basis.
- e. Total heptane purchased on a monthly basis.
- f. Hours of operation on a monthly basis.
- g. All maintenance and repair operations to ensure compliance with all emission limits and restrictions on a monthly basis.

These records shall, at a minimum, include the following:

- h. Date and time of any maintenance and/or inspections.
- i. Name, title, and signature of the person performing the maintenance and/or inspection.
- j. A detailed description of the maintenance conducted or inspection performed.
- k. Any corrective action taken as result of the maintenance conducted or inspection performed.

#### # 017 [25 Pa. Code §127.441]

##### **Operating permit terms and conditions.**

Unless otherwise specified by permit condition, all logs and required records shall be maintained by the Owner/Operator on site or at an alternative location acceptable to the Department for a minimum of five years and shall be made available to the Department upon request.

#### # 018 [25 Pa. Code §127.441]

##### **Operating permit terms and conditions.**

The inlet and outlet temperatures on the condensers, along with the time when the readings were taken, shall be documented in a log book or other method of recordkeeping acceptable to the Department at a minimum of once per shift.



## SECTION C. Site Level Requirements

### V. REPORTING REQUIREMENTS.

#### # 019 [25 Pa. Code §127.441]

##### **Operating permit terms and conditions.**

(a) The permittee shall report malfunctions, emergencies, or incidents of excess emissions to the Department. 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. An emergency is any situation arising from sudden and reasonably unforeseeable events beyond the control of the owner or operator of a facility which requires immediate corrective action to restore normal operation, and which causes the emission source to exceed emissions, due to unavoidable increases in emissions attributable to the situation. An emergency shall not include situations caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operator error.

(b) When the malfunction, emergency or incident of excess emissions poses an imminent danger to the public health, safety, welfare, or environment, it shall be reported to the Department and the County Emergency Management Agency by telephone within one (1) hour after the discovery of the malfunction, emergency or incident of excess emissions. The owner or operator shall submit a written or emailed report of instances of such malfunctions, emergencies or incidents of excess emissions to the Department within three (3) business days of the telephone report.

(c) The report shall describe the following:

1. name, permit or authorization number, and location of the facility,
2. nature and cause of the malfunction, emergency or incident,
3. date and time when the malfunction, emergency or incident was first observed,
4. expected duration of excess emissions,
5. estimated rate of emissions,
6. corrective actions or preventative measures taken.

(d) Any malfunction, emergency or incident of excess emissions that is not subject to the notice requirements of paragraph (b) of this condition shall be reported to the Department by telephone within 24 hours (or by 4:00 PM of the next business day, whichever is later) of discovery and in writing or by e-mail within five (5) business days of discovery. The report shall contain the same information required by paragraph (c), and any permit specific malfunction reporting requirements.

(e) During an emergency an owner or operator may continue to operate the source at their discretion provided they submit justification for continued operation of a source during the emergency and follow all the notification and reporting requirements in accordance with paragraphs (b)-(d), as applicable, including any permit specific malfunction reporting requirements.

(f) Reports regarding malfunctions, emergencies or incidents of excess emissions shall be submitted to the appropriate DEP Regional Office Air Program Manager.

(g) Any emissions resulted from malfunction or emergency are to be reported in the annual emissions inventory report, if the annual emissions inventory report is required by permit or authorization.

#### # 020 [25 Pa. Code §127.511]

##### **Monitoring and related recordkeeping and reporting requirements.**

The permittee shall submit Compliance Certification Forms sufficient to demonstrate compliance with the terms and conditions contained in this operating permit. Each Compliance Certification shall include the following:

- (a) The identification of each term or condition of the permit that is the basis of the certification.
- (b) The compliance status.
- (c) The methods used for determining the compliance status of the source, currently and over the reporting period.
- (d) Whether compliance was continuous or intermittent.
- (e) Other facts the Department may require to determine the compliance status of the source.

Compliance Certifications shall be submitted to the Administrator of the EPA as well as to the Department. EPA requests that Compliance Certifications be e-mailed to them at the following address: R3\_APD\_Permits@epa.gov or as otherwise directed by the EPA or the Department.



## SECTION C. Site Level Requirements

### # 021 [25 Pa. Code §127.511]

#### Monitoring and related recordkeeping and reporting requirements.

Owner/Operator shall submit a Title V Compliance Certification for this facility within 30 days of December 31st of each year. The Title V Compliance Certification shall cover the previous calendar year, for the period January 1 through December 31st. However, in accordance with Title 25 Pa. Code §127.513(5)(i), in no case shall the Title V Compliance Certification be submitted less often than annually. This may require that an interim Title V Compliance Certification (covering a period less than one year) be submitted to bring the facility into compliance with this schedule.

## VI. WORK PRACTICE REQUIREMENTS.

### # 022 [25 Pa. Code §123.1]

#### Prohibition of certain fugitive emissions

(c) A person responsible for any source specified in subsections (a)(1) -- (7) or (9) shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following:

- (1) Use, where possible, of water or chemicals for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land.
- (2) Application of asphalt, oil, water or suitable chemicals on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.
- (3) Paving and maintenance of roadways.
- (4) Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or other means.

### # 023 [25 Pa. Code §127.441]

#### Operating permit terms and conditions.

The owner/operator shall ensure that the lids on the mixing chambers are kept closed except when being emptied, cleaned, or filled.

### # 024 [25 Pa. Code §127.441]

#### Operating permit terms and conditions.

Open space around the chamber mixing blade shafts shall be kept to a minimum.

### # 025 [25 Pa. Code §127.441]

#### Operating permit terms and conditions.

All air contamination sources and air cleaning devices at the facility shall be operated and maintained in accordance with the manufacturer's specifications and with good air pollution control and engineering practices.

### # 026 [25 Pa. Code §127.444]

#### Compliance requirements.

A person may not cause or permit the operation of a source subject to this article unless the source 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 application and 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 this chapter in a manner inconsistent with good operating practices.

## VII. ADDITIONAL REQUIREMENTS.

### # 027 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4]

#### Subpart A - General Provisions

##### Address.

The Facility is subject to New Source Performance Standards for Stationary Spark Ignition Internal Combustion Engines (40 CFR Part 60 Subpart JJJJ) and for Stationary Compression Ignition Internal Combustion Engines (40 CFR Part



## SECTION C. Site Level Requirements

60 Subpart III); and National Emission Standards for Hazardous Air Pollutants From Oil for Stationary Reciprocating Internal Combustion Engines (40 CFR Part 63 Subpart ZZZZ). In accordance with 40 CFR §60.4 and 40 CFR §63.9, copies of all requests, reports, applications, submittals and other communications regarding the affected facilities shall be forwarded to both EPA and the Department at the addresses listed below unless otherwise directed.

United States Environmental Protection Agency  
Region III, Air and Radiation Division  
Permits Branch (3AD10)  
Four Penn Center  
1600 John F. Kennedy Boulevard  
Philadelphia, PA 19103-2852

Pennsylvania Department of Environmental Protection  
Southwest Regional Office  
Air Quality Program  
400 Waterfront Drive  
Pittsburgh, PA 15222  
412-442-4000

### **VIII. COMPLIANCE CERTIFICATION.**

No additional compliance certifications exist except as provided in other sections of this permit including Section B (relating to Title V General Requirements).

### **IX. COMPLIANCE SCHEDULE.**

No compliance milestones exist.

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



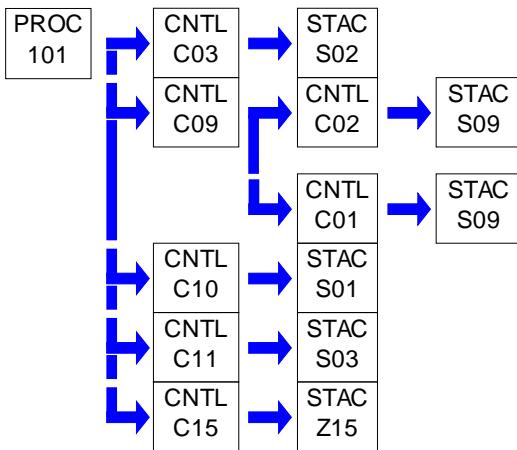
## SECTION D. Source Level Requirements

Source ID: 101

Source Name: POWDER MANUFACTURING PROCESS PLANT 1

Source Capacity/Throughput: 30.000 Lbs/HR HEPTANE

Conditions for this source occur in the following groups: RACT I REQUIREMENTS  
RACT II REQUIREMENTS  
RACT III 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. \*\*\***



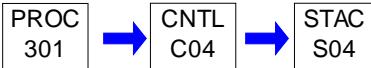
## SECTION D. Source Level Requirements

Source ID: 301

Source Name: POWDER PREP AREA PLANT 1

Source Capacity/Throughput: N/A

Conditions for this source occur in the following groups: RACT I REQUIREMENTS  
RACT II 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

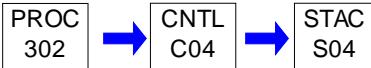
Source ID: 302

Source Name: FINAL FITZ AREA PLANT 1

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: RACT I REQUIREMENTS  
RACT II 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

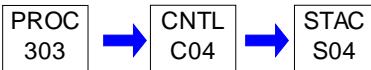
Source ID: 303

Source Name: ISOPRESS ROOM 1 - EPSI PLANT 1

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: RACT I REQUIREMENTS  
RACT II 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

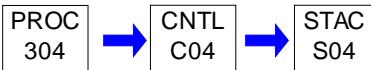
Source ID: 304

Source Name: ISOPRESS ROOM 2 - SC PLANT 1

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: RACT I REQUIREMENTS  
RACT II 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

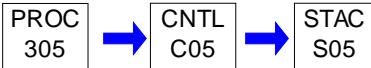
Source ID: 305

Source Name: NICKEL ROOM PLANT 1

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: RACT I REQUIREMENTS  
RACT II 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

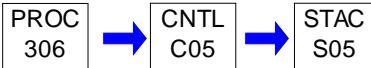
Source ID: 306

Source Name: SHAPE ROOM, PLANT 1

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: RACT I REQUIREMENTS  
RACT II 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

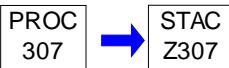
Source ID: 307

Source Name: FINISHING AREA PLANT 4

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: RACT I REQUIREMENTS  
RACT II REQUIREMENTS



### I. RESTRICTIONS.

#### Emission Restriction(s).

##### # 001 [25 Pa. Code §127.441]

##### Operating permit terms and conditions.

Dust, mist, and fumes from each source shall be controlled via "Internal Torit Collection Systems" equipped with HEPA filters and shall exhaust into the building.

##### # 002 [25 Pa. Code §127.441]

##### Operating permit terms and conditions.

All three (3) baghouses associated with Plant 4 exhausting to the outdoor atmosphere (BH-7, BH-8, BH-14 - 1,800 CFM; 3,190 CFM; and 2,800 CFM, respectively) shall be equipped with HEPA filters.

##### # 003 [25 Pa. Code §127.441]

##### Operating permit terms and conditions.

The owner/operator shall use zero VOC coolant concentrate in the machinery viz "The Carbide Grinder by Spartan" and records of the coolant throughput shall be maintained.

##### # 004 [25 Pa. Code §127.441]

##### Operating permit terms and conditions.

Finished parts shall be cleaned with Brakleen 50-State Formula or similar products with a VOC content equal to or less than 0.65 lbs VOC/gal. The permittee shall maintain records of the Brakleen 50-State Formula or similar products usage on a monthly 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.

##### # 005 [25 Pa. Code §127.441]

##### Operating permit terms and conditions.

The owner/operator shall maintain records of the quantity of chemical solvents used in the parts washers and other chemicals used in the finishing operations on a 12-month rolling basis.



## 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.

#### # 006 [25 Pa. Code §127.441]

##### **Operating permit terms and conditions.**

All used coolant shall be collected and picked up by a third party company as non-hazardous waste.

#### # 007 [25 Pa. Code §127.441]

##### **Operating permit terms and conditions.**

The finishing operations shall be conducted within the enclosed building.

### 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

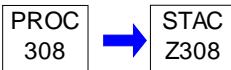
Source ID: 308

Source Name: BRAZING AREA, PLANT 4

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: RACT I REQUIREMENTS  
RACT II 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

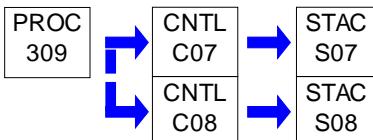
Source ID: 309

Source Name: SHAPE ROOM, PLANT 3

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: RACT I REQUIREMENTS  
RACT II REQUIREMENTS



### I. RESTRICTIONS.

#### Operation Hours Restriction(s).

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Only five (5) AVS electric sinter HIP vacuum furnaces may operate at any one time.

### 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 Owner/Operator shall maintain records of furnace operations to demonstrate compliance with the de minimis Condition #1 above. These records shall be maintained on site or at an alternative location acceptable to the Department for a minimum of five (5) years and 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.

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).



65-00622

GEN CARBIDE CORP/HEMPFIELD



## SECTION D. Source Level Requirements

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

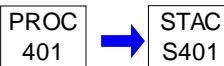


## SECTION D. Source Level Requirements

Source ID: 401

Source Name: 260-KW DIESEL-FIRED EMERGENCY GENERATOR

Source Capacity/Throughput: 19.600 Gal/HR Diesel Fuel



### I. RESTRICTIONS.

#### Emission Restriction(s).

**# 001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4205]**

**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**

**What emission standards must I meet for emergency engines if I am an owner or operator of a stationary CI internal combustion engine?**

(a) Not applicable.

(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.

(c) - (f) Not applicable.

#### Fuel Restriction(s).

**# 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4207]**

**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**

**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) Not applicable.

(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 1090.305 for nonroad diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to October 1, 2010, may be used until depleted.

(c) - (e) Not applicable.

### 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.

**# 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4209]**

**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**

**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) Not applicable.



## 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).

### V. REPORTING REQUIREMENTS.

#### # 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4214]

##### Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

##### What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary CI internal combustion engine?

(a) Not applicable.

(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) Not applicable.

(d) If you own or operate an emergency stationary CI ICE with a maximum engine power more than 100 HP that operates for the purpose specified in § 60.4211(f)(3)(i), you must submit an annual report according to the requirements in paragraphs (d)(1) through (3) of this section.

(1) The report must contain the following information:

(i) Company name and address where the engine is located.

(ii) Date of the report and beginning and ending dates of the reporting period.

(iii) Engine site rating and model year.

(iv) Latitude and longitude of the engine in decimal degrees reported to the fifth decimal place.

(v)-(vi) [Reserved]

(vii) Hours spent for operation for the purposes specified in § 60.4211(f)(3)(i), including the date, start time, and end time for engine operation for the purposes specified in § 60.4211(f)(3)(i). The report must also identify the entity that dispatched the engine and the situation that necessitated the dispatch of the engine.

(2) The first annual report must cover the calendar year 2015 and must be submitted no later than March 31, 2016.

Subsequent annual reports for each calendar year must be submitted no later than March 31 of the following calendar year.

(3) The annual report must be submitted electronically using the subpart specific reporting form in the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) (<https://cdx.epa.gov/>). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written report must be submitted to the Administrator at the appropriate address listed in § 60.4. Beginning on February 26, 2025, submit annual report electronically according to paragraph (g) of this section.

(e) - (i) Not applicable.

(j) Any records required to be maintained by this subpart that are submitted electronically via the EPA's CEDRI may be maintained in electronic format. This ability to maintain electronic copies does not affect the requirement for facilities to make records, data, and reports available upon request to a delegated air agency or the EPA as part of an on-site compliance evaluation.



## SECTION D. Source Level Requirements

### VI. WORK PRACTICE REQUIREMENTS.

#### # 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4206]

##### **Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**

##### **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.

#### # 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]

##### **Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**

##### **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:

(1) Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions;

(2) Change only those emission-related settings that are permitted by the manufacturer; and

(3) Meet the requirements of 40 CFR part 1068, as they apply to you.

(b) Not applicable.

(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) - (e) Not applicable.

(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, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (f)(1) through (3), is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1) through (3), 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 ICE in emergency situations.

(2) You may operate your emergency stationary ICE for the purpose specified in paragraph (f)(2)(i) 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).

(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.

(ii) - (iii) [Reserved]



## SECTION D. Source Level Requirements

(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 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 nonemergency 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) 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.
- (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.

(ii) [Reserved]

(g) - (h) Not applicable.

## VII. ADDITIONAL REQUIREMENTS.

### # 007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4200]

#### Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

##### 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.

(1) - (3) Not applicable.

(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) - (e) Not applicable.

### # 008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4218]

#### Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

##### What parts of the General Provisions apply to me?

(a) Table 8 to this subpart shows which parts of the General Provisions in §§ 60.1 through 60.19 apply to you.

(b) Not applicable.



## SECTION D. Source Level Requirements

### # 009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4219]

#### Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

##### What definitions apply to this subpart?

As used in this subpart, all terms not defined herein shall have the meaning given them in the CAA and in subpart A of this part.

### # 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6590]

#### Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

##### 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) Not applicable.

(2) New stationary RICE.

(i) - (ii) Not applicable.

(iii) A stationary RICE located at an area source of HAP emissions is new if you commenced construction of the stationary RICE on or after June 12, 2006.

(3) Not applicable.

(b) Not applicable.

(c) Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under this part.

(1) A new or reconstructed stationary RICE located at an area source;

(2) - (7) Not applicable.

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

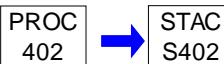


## SECTION D. Source Level Requirements

Source ID: 402

Source Name: 48-KW NATURAL GAS-FIRED EMERGENCY GENERATOR

Source Capacity/Throughput: 0.893 MMBTU/HR Natural Gas



### I. RESTRICTIONS.

#### Emission Restriction(s).

**# 001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60 Subpart JJJJ Table 1]**

**Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines**

**Table 1 to Subpart JJJJ of Part 60.--**

Table 1 to Subpart JJJJ of Part 60—NOx, CO, and VOC Emission Standards for Stationary Non-Emergency SI Engines =100 HP (Except Gasoline and Rich Burn LPG), Stationary SI Landfill/Digester Gas Engines, and Stationary Emergency Engines >25 HP

Emergency Engine (25 < HP < 130): 10 g/bhp-hr NOx  
387 g/bhp-hr CO

The emission standards applicable to emergency engines between 25 HP and 130 HP are in terms of NOx + HC. For purposes of this subpart, when calculating emissions of volatile organic compounds, emissions of formaldehyde should not be included. [Table has been formatted from its original version. Refer to Table 1 of 40 CFR Part 60 Subpart JJJJ for original version.]

**# 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4233]**

**Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines**

**What emission standards must I meet if I am an owner or operator of a stationary SI internal combustion engine?**

(a) - (c) Not applicable.

(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 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.

(e) - (h) Not applicable.

### 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.

**# 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4237]**

**Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines**

**What are the monitoring requirements if I am an owner or operator of an emergency stationary SI internal combustion engine?**

(a) - (b) Not applicable.



## SECTION D. Source Level Requirements

(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.

## IV. RECORDKEEPING REQUIREMENTS.

### # 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4245]

#### Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

##### What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary 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.

(1) All notifications submitted to comply with this subpart and all documentation supporting any notification.

(2) Maintenance conducted on the engine.

(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.

(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) - (j) Not applicable.

## 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 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4234]

#### Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

##### 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.

### # 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4243]

#### Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

##### What are my compliance requirements if I am an owner or operator of a stationary SI internal combustion engine?

(a) Not applicable.

(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.

(1) Purchasing an engine certified according to procedures specified in this subpart, for the same model year and



## SECTION D. Source Level Requirements

demonstrating compliance according to one of the methods specified in paragraph (a) of this section.

(2) Purchasing a non-certified engine and demonstrating compliance with the emission standards specified in §60.4233(d) or (e) and according to the requirements specified in §60.4244, as applicable, and according to paragraphs (b)(2)(i) and (ii) of this section.

(i) If you are an owner or operator of a stationary SI internal combustion engine greater than 25 HP and less than or equal to 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.

(ii) Not applicable.

(c) Not applicable.

(d) Emergency stationary ICE may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. There is no time limit on the use of emergency stationary ICE in emergency situations. 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 year. Emergency stationary ICE may operate up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak shaving 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. For owners and operators of emergency engines, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as permitted in this section, is prohibited.

(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) - (i) Not applicable.

## VII. ADDITIONAL REQUIREMENTS.

### # 007 [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?

(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 (5) 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.

(1) - (3) Not applicable.

(4) Owners and operators of stationary SI ICE that commence construction after June 12, 2006, where the stationary SI ICE



## SECTION D. Source Level Requirements

are manufactured:

- (i) - (iii) Not applicable.
- (iv) on or after January 1, 2009, for emergency engines with a maximum engine power greater than 19 KW (25 HP).
- (5) - (6) Not applicable.
- (b) - (f) Not applicable.

### **# 008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4246]**

#### **Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines**

##### **What parts of the General Provisions apply to me?**

- (a) Table 3 to this subaprt shows which parts of the General Provisions in §§ 60.1 through 60.19 apply to you.
- (b) Not applicable.

### **# 009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4248]**

#### **Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines**

##### **What definitions apply to this subpart?**

As used in this subpart, all terms not defined herein shall have the meaning given them in the CAA and in subpart A of this part.

### **# 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6590]**

#### **Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

##### **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) Not applicable.
- (2) New stationary RICE.
- (i) - (ii) Not applicable.
- (iii) A stationary RICE located at an area source of HAP emissions is new if you commenced construction of the stationary RICE on or after June 12, 2006.
- (3) Not applicable.
- (b) Not applicable.
- (c) Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under this part.
  - (1) A new or reconstructed stationary RICE located at an area source;
  - (2) - (7) Not applicable.



65-00622

GEN CARBIDE CORP/HEMPFIELD



## SECTION D. Source Level Requirements

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



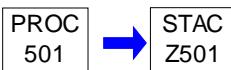
## SECTION D. Source Level Requirements

Source ID: 501

Source Name: PARTS WASHERS

Source Capacity/Throughput:

N/A



### 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.

#### # 001 [25 Pa. Code §129.63]

##### Degreasing operations

(a) Cold cleaning machines. Except for those subject to the Federal National emissions standards for hazardous air pollutants (NESHAP) for halogenated solvent cleaners under 40 CFR Part 63 (relating to National emission standards for hazardous air pollutants for source categories), this subsection applies to cold cleaning machines that use 2 gallons or more of solvents containing greater than 5% VOC content by weight for the cleaning of metal parts.

- (1) Immersion cold cleaning machines shall have a freeboard ratio of 0.50 or greater.
- (2) Immersion cold cleaning machines and remote reservoir cold cleaning machines shall:

(i) Have a permanent, conspicuous label summarizing the operating requirements in paragraph (3). In addition, the label shall include the following discretionary good operating practices:

(A) 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 solvent drains directly back to the cold cleaning machine.

(B) Not applicable.

(C) Work area fans should be located and positioned so that they do not blow across the opening of the degreaser unit.



## SECTION D. Source Level Requirements

(ii) Be equipped with a cover that shall be closed at all times except during 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 6 inches shall constitute an acceptable cover.

(3) Cold cleaning machines shall be operated in accordance with the following procedures:

(i) 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.

(ii) 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.

(iii) Sponges, fabric, wood, leather, paper products and other absorbent materials may not be cleaned in the cold cleaning machine.

(iv) Not applicable.

(v) Spills during solvent transfer and use of the cold cleaning machine shall be cleaned up immediately.

(4) After December 22, 2002, a person may not use, sell or offer for sale for use in a cold cleaning machine any solvent with a vapor pressure of 1.0 millimeter of mercury (mm Hg) or greater and containing greater than 5% VOC by weight, measured at 20°C (68°F) containing VOCs.

(5) On and after December 22, 2002, a person who sells or offers for sale any solvent containing VOCs for use in a cold cleaning machine shall provide, to the purchaser, the following written information:

(i) The name and address of the solvent supplier.

(ii) The type of solvent including the product or vendor identification number.

(iii) The vapor pressure of the solvent measured in mm hg at 20°C (68°F).

(6) A person who operates a cold cleaning machine shall maintain for at least 2 years and shall provide to the Department, on request, the information specified in paragraph (5). 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.

(7) Paragraph (4) does not apply:

(i) To cold cleaning machines used in extreme cleaning service.

(ii) If the owner or operator of the cold cleaning machine demonstrates, and the Department approves in writing, that compliance with paragraph (4) will result in unsafe operating conditions.

(iii) To immersion cold cleaning machines with a freeboard ratio equal to or greater than 0.75.

## 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: GENERAL BAGHOUSE REQUIREMENTS

Group Description: General Baghouse Requirements

Sources included in this group

ID	Name
C03	BAGHOUSE FOR BALL & DRYERS IN UNIT 101 (15,000 CFM) PLANT 1
C04	BAGHOUSE FOR ISO PRESS, POWDER PREP, FINAL FITZ MILL & CRUSH
C05	BAGHOUSE FOR NICKEL AREA PLANT 1 (BH#2), 15000 CFM
C07	BAGHOUSE FOR SHAPE ROOM, 20,000 CFM, PLANT 3 (BH#5)
C08	BAGHOUSE FOR SHAPE ROOM, 21,222 CFM, PLANT 3 (BH#6)

### I. RESTRICTIONS.

#### Emission Restriction(s).

# 001 [25 Pa. Code §127.441]

##### Operating permit terms and conditions.

Each baghouse shall be equipped with instrumentation to monitor the differential pressure across the collector on a continuous basis.

# 002 [25 Pa. Code §127.441]

##### Operating permit terms and conditions.

No person may permit the emission into the outdoor atmosphere of particulate matter from any process in a manner that the concentration of particulate matter in the effluent gas exceeds 0.01 grains per dry standard cubic foot (gr/dscf), when the effluent gas volume is less than 150,000 dry standard cubic feet per minute.

### II. TESTING REQUIREMENTS.

# 003 [25 Pa. Code §127.441]

##### Operating permit terms and conditions.

If at any time the Department has reason to believe that the air contamination emissions from the exhaust of any baghouse are or may be in excess of any applicable air contamination emission limitation, the owner or operator shall conduct performance (stack) tests or source tests requested by the Department to determine the actual air contamination rate.

### III. MONITORING REQUIREMENTS.

# 004 [25 Pa. Code §127.441]

##### Operating permit terms and conditions.

The owner or operator shall monitor the pressure drop gauge at a minimum of once per week to ensure that the pressure differential is in conformance with the manufacturer's specifications or site-specific operational parameters. If the owner or operator records a pressure outside the specification range, then the owner or operator must conduct corrective actions to remedy the issue and ensure proper baghouse operation. This inspection is only required when the facility is operational.

### IV. RECORDKEEPING REQUIREMENTS.

# 005 [25 Pa. Code §127.441]

##### Operating permit terms and conditions.

The permittee shall maintain the following records:

- 1.) Pressure drop readings across each baghouse at a minimum of once per week when each air cleaning device is in operation.
- 2.) A copy of the manufacturer's specifications and recommended maintenance schedule for each baghouse, including manufacturer-guaranteed emission rates, or an alternative site-specific maintenance plan.
- 3.) Records of any preventative maintenance inspections and any maintenance conducted.



## 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 §127.441]

##### **Operating permit terms and conditions.**

The permittee shall keep on hand a sufficient quantity of spare baghouse bags or cartridge collector cartridges in order to immediately replace any bags or cartridges requiring replacement due to deterioration resulting from routine operation.

#### # 007 [25 Pa. Code §127.441]

##### **Operating permit terms and conditions.**

The Owner/Operator shall perform preventative maintenance inspections on each baghouse and maintain a Preventative Maintenance Log documenting the preventative maintenance inspection schedule, preventative maintenance inspection procedures, observations, and corrective actions.

### VII. ADDITIONAL REQUIREMENTS.

#### # 008 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.2]

##### **Sections of PART 64**

##### **Applicability**

For the purposes of Compliance Assurance Monitoring (CAM), the permittee shall monitor visible emissions from each fabric filter or baghouse to demonstrate a reasonable assurance that the fabric filter or baghouse controls particulate matter emissions to levels in compliance with the emissions restrictions in this operating permit.

Indicator: Visible Emissions Monitoring.

Measurement Approach: In addition to daily visible stack, fugitive, and potentially objectionable odor inspections as required in Section C of this operating permit, the permittee shall monitor visible emissions from each fabric filter or baghouse exhaust on a weekly basis using a procedure similar to EPA Method 22.

Indicator Range: An excursion is the observation of visible emissions. If any visible emissions are observed, the permittee shall conduct an inspection as soon as practicable and take appropriate corrective actions as necessary.

Data Representativeness: Observations are made at the point of emissions.

Verification of Operational Status: [Not applicable.]

Quality Assurance/Quality Control Practices and Criteria: Observer(s) shall be trained and familiar with procedures similar to Method 22.

Monitoring Frequency: A six (6) minute observation at a minimum of once per week when each fabric filter or baghouse is in operation.

Data Collection Procedure: The permittee shall record the results of the weekly observation.

Averaging Period: [Not applicable.]

Recordkeeping: The Owner/Operator shall maintain the following records for a minimum of five years and shall be made available to the Department upon request:

- (a) Daily visible stack, fugitive, and potentially objectionable odor inspections at a minimum of once per day when the sources are operating in accordance with Section C of this operating permit.
- (b) The results of each weekly observation for each fabric filter or baghouse operated during the week using procedures similar to Method 22, including whether or not visible emissions were observed.
- (c) The date, time, and name and title of each observer when each observation occurred.



## SECTION E. Source Group Restrictions.

(d) Records of any corrective actions taken.

Reporting:

(a) The permittee shall report any instances in which weekly observations did not occur, including the dates, times, durations, and possible causes every six months to the Department in accordance with the semi-annual reporting requirements of 25 Pa. Code §127.513 or as otherwise specified in the Title V operating permit.

### # 009 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.2]

#### Sections of PART 64

##### Applicability

For the purposes of Compliance Assurance Monitoring (CAM), the permittee shall monitor the pressure drop across each fabric filter or baghouse to demonstrate a reasonable assurance that the fabric filter or baghouse controls particulate matter emissions to levels in compliance with the emissions restrictions in this operating permit.

Indicator: Pressure differential (pressure drop) across each fabric filter or baghouse.

Measurement Approach: The permittee shall continuously measure the differential pressure across each fabric filter or baghouse. A differential pressure reading of each fabric filter or baghouse shall be recorded at a minimum of once per week during such weeks when the equipment has operated and while the equipment is in operation.

Indicator Range: The differential pressure shall be maintained between 1 – 5 inches of water when a compartment is not in a cleaning cycle. If the pressure differential is outside the range of 1 – 5 inches of water when a compartment is not in a cleaning cycle, the permittee shall conduct an inspection as soon as practicable but no later than 24 hours after discovery and shall take appropriate corrective actions as necessary.

Data Representativeness: The pressure differential of the fabric filter or baghouse shall be maintained between 0 – 5 inches of water when not in a cleaning cycle. The fabric filter or baghouse differential pressure is measured using a magnehelic gauge with pressure taps located at the baghouse inlet and outlet. The minimum acceptable accuracy of the gauge is  $\pm 0.25$  inches water column.

Verification of Operational Status: [Not applicable.]

Quality Assurance/Quality Control Practices and Criteria: The pressure sensor has a physical connection to each fabric filter or baghouse compartment. The pressure differential is measured in inches of water and does not require routine calibration. The permittee shall operate and maintain the instrumentation using procedures recommended by the manufacturer.

Monitoring Frequency: Differential pressure is measured continuously, and the measurement is recorded at a minimum of once per week while the source is in operation.

Data Collection Procedure: The pressure drop is documented and manually recorded on a monthly basis when the fabric filter or baghouse is in operation.

Averaging Period: [Not applicable.]

Recordkeeping: The permittee shall maintain the following records for a minimum of five years and shall be made available to the Department upon request:

- (a) Weekly and monthly pressure differential readings across each fabric filter or baghouse when each source is in operation.
- (b) Any maintenance performed on the fabric filter or baghouse.
- (c) A copy of the manufacturer's recommended specifications and recommended maintenance schedule or a site-specific maintenance plan for each fabric filter or baghouse.
- (d) Records of the date and time when any excursions outside of the indicator range occur, the date and time of any subsequent inspections that occur as a result of such an excursion, and any corrective actions taken.



## SECTION E. Source Group Restrictions.

### Reporting:

- (a) The permittee shall report excursions outside of the indicator range and any corrective actions taken, including the dates, times, durations, and possible causes of the incident every six months to the Department in accordance with the semi-annual reporting requirements of 25 Pa. Code §127.513 or as otherwise specified in the Title V operating permit.
- (b) The permittee shall report all monitoring downtime incidents, the dates, times, duration, possible causes, and corrective actions taken every six months to the Department in accordance with the semi-annual reporting requirements of 25 Pa. Code §127.513 or as otherwise specified in the Title V operating permit.
- (c) Any malfunctions that occur shall be reported to the Department in accordance with the malfunction reporting requirements of Section C, Condition #019 of this Title V operating permit.

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



## SECTION E. Source Group Restrictions.

Group Name: RACT I REQUIREMENTS

Group Description: RACT I Requirements from Operating Permit 65-000-622 (12/29/1995)

Sources included in this group

ID	Name
101	POWDER MANUFACTURING PROCESS PLANT 1
301	POWDER PREP AREA PLANT 1
302	FINAL FITZ AREA PLANT 1
303	ISOPRESS ROOM 1 - EPSI PLANT 1
304	ISOPRESS ROOM 2 - SC PLANT 1
305	NICKEL ROOM PLANT 1
306	SHAPE ROOM, PLANT 1
307	FINISHING AREA PLANT 4
308	BRAZING AREA, PLANT 4
309	SHAPE ROOM, PLANT 3

### I. RESTRICTIONS.

#### Emission Restriction(s).

# 001 [25 Pa. Code §129.92]

##### RACT proposal requirements

The source shall not operate in the event that the dryers and condensers are incapable of operation.

### 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 §129.92]

##### RACT proposal requirements

General Carbide shall monitor the area of the facility daily that uses heptane. This will be done with a heptane vapor monitor to assure that the equipment is functioning properly and no leaks are occurring. If any leaks of heptane do occur from the storage tanks or process, the Department should be notified immediately.

### IV. RECORDKEEPING REQUIREMENTS.

# 003 [25 Pa. Code §129.92]

##### RACT proposal requirements

General Carbide shall track and record hours of operation, total heptane consumption, all maintenance and repair operations to comply with the recordkeeping requirements. These records shall be retained on site for at least two years, and be made available to the Department upon request.

# 004 [25 Pa. Code §129.92]

##### RACT proposal requirements

General Carbide Corporation shall continue to officially document and maintain monthly records on the quantity of VOC containing compounds used at the facility.

### 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.

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: RACT II REQUIREMENTS

Group Description: RACT II Requirements from Operating Permit 65-00622 (03/03/2020)

### Sources included in this group

ID	Name
101	POWDER MANUFACTURING PROCESS PLANT 1
301	POWDER PREP AREA PLANT 1
302	FINAL FITZ AREA PLANT 1
303	ISOPRESS ROOM 1 - EPSI PLANT 1
304	ISOPRESS ROOM 2 - SC PLANT 1
305	NICKEL ROOM PLANT 1
306	SHAPE ROOM, PLANT 1
307	FINISHING AREA PLANT 4
308	BRAZING AREA, PLANT 4
309	SHAPE ROOM, PLANT 3

### 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 §129.100]

##### **Compliance demonstration and recordkeeping requirements.**

(d) The owner and operator of an air contamination source subject to this section and §§ 129.96—129.99 shall keep records to demonstrate compliance with §§ 129.96—129.99 in the following manner:

(1) The records must include sufficient data and calculations to demonstrate that the requirements of §§ 129.96—129.99 are met.

### 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 §129.99]

##### **Alternative RACT proposal and petition for alternative compliance schedule.**

All air cleaning devices and air contamination sources at the facility shall be operated and maintained in accordance with manufacturer's specifications and good air pollution and engineering practices.

#### # 003 [25 Pa. Code §129.99]

##### **Alternative RACT proposal and petition for alternative compliance schedule.**

As part of LDAR, the facility shall employ the following emission control / Heptane recovery items:

- o Refrigerated lids on all mixers



## SECTION E. Source Group Restrictions.

- o Heptane recovery via three condensers (estimated to recover 90% of the Heptane passing through the units).
- o Work practice standards for minimizing heptane emissions, which include:
  - o Keeping lids closed on Ball Mixers at all times except when empty or when filling;
  - o Taking measures to seal around the mixer blade shafts; and Use of a Heptane monitor to identify areas of high concentrations of Heptane throughout the facility—which may result from leaks.

## 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: RACT III REQUIREMENTS

Group Description: RACT III Requirements from Operating Permit 65-00622 (01/06/2025)

Sources included in this group

ID	Name
101	POWDER MANUFACTURING PROCESS PLANT 1

### I. RESTRICTIONS.

#### Emission Restriction(s).

**# 001 [25 Pa. Code §129.114]**

##### **Alternative RACT proposal and petition for alternative compliance schedule**

The emissions from the facility shall not exceed 79.43 tons of Volatile Organic Compounds (VOC's) in any 12 consecutive month period. This cap will be based on total facility wide heptane consumption.

### 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 §129.114]**

##### **Alternative RACT proposal and petition for alternative compliance schedule**

Leak detection and repair (LDAR) procedures for the air contamination sources at this facility may include, but are not limited to, the following:

- Detection: The use of an MSA Altair 4XR Multi-gas detector that detects for CO, H2S, LEL and O2 or equivalent device.
- Inspection: Performing inspections each operating shift approximately one hour before dropping carbide powder/heptane slurry. The wet milling operator or other personnel walk through the production area where heptane is present using an MSA multi-gas detector or equivalent device.
- Repair: If the lower explosive level (LEL) reading is greater than 0, then the wet milling operator proactively attempts to determine the source of the reading. Once the source of the leak is determined, maintenance immediately addresses the repair. If the repair cannot be made at that time, the defective machine(s) will be LOTO. The repair will be accomplished on the next scheduled down time.
- Recordkeeping: The forms for each shift are completed daily either electronically or by hard copy. The repair is documented in the repaired section of General Carbide's MVP digital maintenance system upon completion.
- Training: The wet milling operators receive on-the-job training and must demonstrate proficiency before they are able to operate on their own. Our training is ISO certified, documented in an ISO quality instruction.

### IV. RECORDKEEPING REQUIREMENTS.

**# 003 [25 Pa. Code §129.114]**

##### **Alternative RACT proposal and petition for alternative compliance schedule**

All data used to comply with RACT emissions limitations will be recorded and maintained in a time frame that is consistent with the averaging period of the limitation.

General Carbide will also maintain documentation of good operating practices and LDAR for the sources identified in this alternative RACT and Compliance Proposal.

**# 004 [25 Pa. Code §129.115]**

##### **Written notification, compliance demonstration and recordkeeping and reporting requirements**

In accordance with 25 Pa. Code §129.115(f), General Carbide will keep sufficient records for demonstrating compliance with the RACT III Rule. Sufficient records include, but are not limited to:

- Sufficient data and calculations to demonstrate that the requirements of 25 Pa. Code §§129.112-129.114 are met.



## SECTION E. Source Group Restrictions.

- Data or information required to determine compliance shall be recorded and maintained in a time frame consistent with the averaging period of the requirement.
- Records necessary to determine compliance shall be reported to PADEP or appropriate approved local air pollution control agency on a schedule specified in the applicable regulation or as otherwise specified in the operating permit or plan approval for the air contamination source.

### # 005 [25 Pa. Code §129.115]

#### **Written notification, compliance demonstration and recordkeeping and reporting requirements**

Pursuant to 25 Pa. Code §129.115(k), all records shall be maintained for at least five years and shall be made available to PADEP upon receipt of a written 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).

## VI. WORK PRACTICE REQUIREMENTS.

### # 006 [25 Pa. Code §129.114]

#### **Alternative RACT proposal and petition for alternative compliance schedule**

The owner and operator shall install, maintain, and operate the source in accordance with the manufacturer's specifications and with good operating 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. \*\*\***



65-00622

GEN CARBIDE CORP/HEMPFIELD



## SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this Title V facility.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description	
C03	BAGHOUSE FOR BALL & DRYERS IN UNIT 101 (15,000 CFM) PLANT 1	
Emission Limit		Pollutant
0.010 gr/CF	127.441	Particulate
C04	BAGHOUSE FOR ISO PRESS, POWDER PREP, FINAL FITZ MILL & CRUSH	
Emission Limit		Pollutant
0.010 gr/CF	127.441	Particulate
C05	BAGHOUSE FOR NICKEL AREA PLANT 1 (BH#2), 15000 CFM	
Emission Limit		Pollutant
0.010 gr/CF	127.441	Particulate
C07	BAGHOUSE FOR SHAPE ROOM, 20,000 CFM, PLANT 3 (BH#5)	
Emission Limit		Pollutant
0.010 gr/CF	127.441	Particulate
C08	BAGHOUSE FOR SHAPE ROOM, 21,222 CFM, PLANT 3 (BH#6)	
Emission Limit		Pollutant
0.010 gr/CF	127.441	Particulate

**Site Emission Restriction Summary**

Emission Limit	Pollutant
79.430 Tons/Yr	25 Pa. Code 129.99 (RACT II)



## SECTION H. Miscellaneous.

The following sources are listed as insignificant activities:

1. 0.6 MMBtu/hr Ajax Boiler for Wet Milling Operation
2. 0.63 MMBtu/hr Columbia Boiler for Spray Drying Operation

### 3. Powder Manufacturing Process

This consists of two lines. Product from Ball Mills 101-110 is dried in Dryers 101-110. Heptane emissions in this line are recovered in Condenser 1 & 2. Product from Ball Mills 111-115 is dried in a spray dryer which is equipped with Condenser 3 for heptane recovery.

### 4. Shaping Operations

These consist of a number of band and table saws, manual vertical lathes, and computer operated vertical lathes for the cutting and shaping of various parts. These sources exhaust to various small torit baghouses that exhaust to a larger baghouse that exhausts inside the building.

### 5. Polishing Operations

These consist of sandblasting operations that exhaust particulate matter to baghouses that exhaust inside the building at Plant #4.

### 6. Cooling tower associated with Plant #1.

In addition, baghouse 19 (BH-19) controlling Source 307, had its motor upgraded and is now rated at 3,500 acfm. This unit exhausts indoors. It is considered a miscellaneous source.

In addition, one (1) 4,000 acfm Torit DFE 3-6 fume collector (BH-7), one (1) 1,800 acfm Torit DFT 2-4 fume collector (BH-8), and one (1) 2,400 acfm Torit 2-4 fume collector (BH-14) are located at Plant #4 and are considered miscellaneous.

C04 (BH #3), the baghouse for the isopress final fitz mill and crush is equipped with a damper. Similarly, C07 (BH #5) and C08 (BH #6), the two (2) shape room baghouses at Plant #3, are also equipped with dampers. The dampers allow for the baghouses to vent indoor during winter months and outdoor in the summer months.



\*\*\*\*\* End of Report \*\*\*\*\*