



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

PLAN APPROVAL

Issue Date: June 3, 2022 Effective Date: August 11, 2026
Revision Date: August 11, 2026 Expiration Date: February 28, 2027
Revision Type: Extension

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 construct, install, modify or reactivate the air emission source(s) more fully described in the site inventory list. This Facility is subject to all terms and conditions specified in this plan approval. Nothing in this plan approval 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 plan approval condition is set forth in brackets. All terms and conditions in this permit are federally enforceable unless otherwise designated as "State-Only" requirements.

Plan Approval No. 04-00034C

Federal Tax Id - Plant Code: 41-1770027-1

Owner Information

Name: THE SHERWIN WILLIAMS MFG CO
Mailing Address: 372 CLEVELAND ST
ROCHESTER, PA 15074-1624

Plant Information

Plant: THE SHERWIN WILLIAMS CO/ROCHESTER PLT
Location: 04 Beaver County 04816 Rochester Township
SIC Code: 2851 Manufacturing - Paints And Allied Products

Responsible Official

Name: ELIZABETH GATTO
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Plan Approval Contact Person

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Title: EHS MGR
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[Signature] _____

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



Plan Approval Description

The purpose of this Plan Approval is to install batch tank 4037, monomer premix tank WT-37A, water slurry mix tank WT-37B, acrylic weigh tank WT-4004, DMEA/water premix tank WT-DMEA, three (3) finished product storage tanks, four (4) raw materials storage tanks, three (3) condensers, one (1) thermal oxidizer and (1) carbon adsorption system.



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Note: These same sub-sections are repeated for each source!

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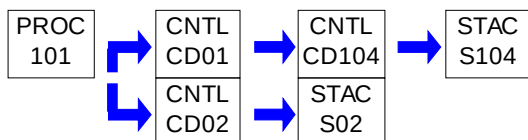
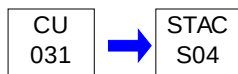
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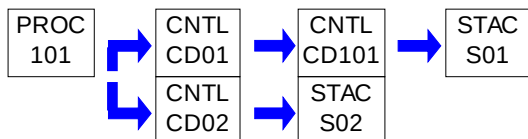
Section H. Miscellaneous

**SECTION A. Plan Approval Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
031	BOILERS		
101	BATCH PROCESSING (SEE MISCELLANEOUS COMMENTS FOR DETAILS)	20.000 Tons/HR 20.000 Tons/HR 10.000 Tons/HR	COATING COATING COATING
102	STORAGE TANKS		
102A	NORTH TANK TRUCK AREA LOADING/UNLOADING		
102B	SOUTH TANK TRUCK AREA LOADING/UNLOADING		
104	FUGITIVE EMISSIONS (PUMPS, BLOWERS, FITTINGS, VALVES ETC.)		
105	EMERGENCY GENERATORS	N/A	Diesel Fuel
107	EMERGENCY GENERATOR		
C102A	VAPOR RECOVERY UNIT-CLOSED LOOP SYSTEM-NO EXHAUST		
C102B	SOUTH TANK TRUCK AREA CARBON ADSORBER		
CD01	CONDENSERS (27)		
CD02	6,000 SCFM DUST COLLECTOR (RAW MATERIAL BLEND)		
CD03	AIR STRIPPER (WASTE WATER TREATMENT)		
CD101	SCRUBBERS (6)		
CD102	K-4 SCRUBBER		
CD103	K-5 SCRUBBER		
CD104	THERMAL OXIDIZER		
S01	STACK		
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Z102	STORAGE TANKS FUGITIVE EMISSIONS		
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PERMIT MAPS

Alternative Operation:



**PERMIT MAPS**

PROC
102 → STAC
Z102

PROC
104 → STAC
Z104

PROC
105 → STAC
S105

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

Words and terms that are not otherwise defined in this plan approval 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 § 127.12b (a) (b)]**Future Adoption of Requirements**

The issuance of this plan approval does not prevent the future adoption by the Department of any rules, regulations or standards, or the issuance of orders necessary to comply with the requirements of the Federal Clean Air Act or the Pennsylvania Air Pollution Control Act, or to achieve or maintain ambient air quality standards. The issuance of this plan approval shall not be construed to limit the Department's enforcement authority.

#003 [25 Pa. Code § 127.12b]**Plan Approval Temporary Operation**

This plan approval authorizes temporary operation of the source(s) covered by this plan approval provided the following conditions are met.

(a) When construction, installation, modification, or reactivation is being conducted, the permittee shall provide written notice to the Department of the completion of the activity approved by this plan approval and the permittee's intent to commence operation at least five (5) working days prior to the completion of said activity. The notice shall state when the activity will be completed and when the permittee expects to commence operation. When the activity involves multiple sources on different time schedules, notice is required for the commencement of operation of each source.

(b) Pursuant to 25 Pa. Code § 127.12b (d), temporary operation of the source(s) is authorized to facilitate the shakedown of sources and air cleaning devices, to permit operations pending the issuance of a permit under 25 Pa. Code Chapter 127, Subchapter F (relating to operating permits) or Subchapter G (relating to Title V operating permits) or to permit the evaluation of the air contaminant aspects of the source.

(c) This plan approval authorizes a temporary operation period not to exceed 180 days from the date of commencement of operation, provided the Department receives notice from the permittee pursuant to paragraph (a), above.

(d) The permittee may request an extension of the 180-day shakedown period if further evaluation of the air contamination aspects of the source(s) is necessary. The request for an extension shall be submitted, in writing, to the Department at least 30 days prior to the end of the initial 180-day shakedown period and shall provide a description of the compliance status of the source, a detailed schedule for establishing compliance, and the reasons compliance has not been established. This temporary operation period will be valid for a limited time and may be extended for additional limited periods, each not to exceed 180 days.

(e) The notice submitted by the permittee pursuant to subpart (a) above, prior to the expiration of the plan approval, shall modify the plan approval expiration date on Page 1 of this plan approval. The new plan approval expiration date shall be 180 days from the date of commencement of operation.

#004 [25 Pa. Code § 127.12(a) (10)]**Content of Applications**

The permittee shall maintain and operate the sources and associated air cleaning devices in accordance with good engineering practice as described in the plan approval application submitted to the Department.

#005 [25 Pa. Code §§ 127.12(c) and (d) & 35 P.S. § 4013.2]**Public Records and Confidential Information**

(a) The records, reports or information obtained by the Department or referred to at public hearings shall be available to the public, except as provided in paragraph (b) of this condition.

(b) Upon cause shown by the permittee that the records, reports or information, or a particular portion thereof, but not emission data, to which the Department has access under the act, if made public, would divulge production or sales figures or methods, processes or production unique to that person or would otherwise tend to affect adversely the

**SECTION B. General Plan Approval Requirements**

competitive position of that person by revealing trade secrets, including intellectual property rights, the Department will consider the record, report or information, or particular portion thereof confidential in the administration of the act. The Department will implement this section consistent with sections 112(d) and 114(c) of the Clean Air Act (42 U.S.C.A. § 7412(d) and 7414(c)). Nothing in this section prevents disclosure of the report, record or information to Federal, State or local representatives as necessary for purposes of administration of Federal, State or local air pollution control laws, or when relevant in a proceeding under the act.

#006 [25 Pa. Code § 127.12b]**Plan Approval Terms and Conditions**

[Additional authority for this condition is derived from 25 Pa. Code Section 127.13]

(a) This plan approval will be valid for a limited time, as specified by the expiration date contained on Page 1 of this plan approval. Except as provided in § § 127.11a and 127.215 (relating to reactivation of sources; and reactivation), at the end of the time, if the construction, modification, reactivation or installation has not been completed, a new plan approval application or an extension of the previous approval will be required.

(b) If construction has commenced, but cannot be completed before the expiration of this plan approval, an extension of the plan approval must be obtained to continue construction. To allow adequate time for departmental action, a request for the extension shall be postmarked at least thirty (30) days prior to the expiration date. The request for an extension shall include the following:

- (i) A justification for the extension,
- (ii) A schedule for the completion of the construction

If construction has not commenced before the expiration of this plan approval, then a new plan approval application must be submitted and approval obtained before construction can commence.

(c) If the construction, modification or installation is not commenced within 18 months of the issuance of this plan approval or if there is more than an 18-month lapse in construction, modification or installation, a new plan approval application that meets the requirements of 25 Pa. Code Chapter 127, Subchapter B (related to plan approval requirements), Subchapter D (related to prevention of significant deterioration of air quality), and Subchapter E (related to new source review) shall be submitted. The Department may extend the 18-month period upon a satisfactory showing that an extension is justified.

#007 [25 Pa. Code § 127.32]**Transfer of Plan Approvals**

(a) This plan approval may not be transferred from one person to another except when a change of ownership is demonstrated to the satisfaction of the Department and the Department approves the transfer of the plan approval in writing.

(b) Section 127.12a (relating to compliance review) applies to a request for transfer of a plan approval. A compliance review form shall accompany the request.

(c) This plan approval is valid only for the specific source and the specific location of the source as described in the application.

#008 [25 Pa. Code § 127.12(a)(4) & 35 P.S. § 4008 & § 114 of the CAA]**Inspection and Entry**

(a) 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.

(b) The permittee shall also allow the Department to have access at reasonable times to said sources and associated air cleaning devices with such measuring and recording equipment, including equipment recording visual observations, as the Department deems necessary and proper for performing its duties and for the effective enforcement of the Air Pollution Control Act and regulations adopted under the act.

**SECTION B. General Plan Approval Requirements**

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

#009 [25 Pa. Code 127.13a]**Plan Approval Changes for Cause**

This plan approval may be terminated, modified, suspended or revoked and reissued if one or more of the following applies:

- (a) The permittee constructs or operates the source subject to the plan approval in violation of the act, the Clean Air Act, the regulations promulgated under the act or the Clean Air Act, a plan approval or permit or in a manner that causes air pollution.
- (b) The permittee fails to properly or adequately maintain or repair an air pollution control device or equipment attached to or otherwise made a part of the source.
- (c) The permittee fails to submit a report required by this plan approval.
- (d) The Environmental Protection Agency determines that this plan approval is not in compliance with the Clean Air Act or the regulations thereunder.

#010 [25 Pa. Code §§ 121.9 & 127.216]**Circumvention**

- (a) The permittee, 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 plan approval, 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.

#011 [25 Pa. Code § 127.12c]**Submissions**

Reports, test data, monitoring data, notifications shall be submitted to the:

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

#012 [25 Pa. Code § 127.12(a)(9) & 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 facility. The permittee shall submit the RMP to the Environmental Protection Agency according to the following schedule and requirements:
 - (1) The permittee shall submit the first RMP to a central point specified by the Environmental Protection Agency no later than the latest of the following:

**SECTION B. General Plan Approval 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 the Environmental Protection Agency 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 plan approval 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.

#013 [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).

#014 [25 Pa. Code § 127.25]**Compliance Requirement**

A person may not cause or permit the operation of a source subject to § 127.11 (relating to plan approval requirements), unless the source and air cleaning devices identified in the application for the plan approval 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 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.

**SECTION C. Site Level Plan Approval Requirements****I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §121.7]****Prohibition of air pollution.**

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

002 [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) Blasting in open pit mines. Emissions from drilling are not considered as emissions from blasting.

(8) Coke oven batteries, provided the fugitive air contaminants emitted from any coke oven battery comply with the standards for visible fugitive emissions in § § 123.44 and 129.15 (relating to limitations of visible fugitive air contaminants from operation of any coke oven battery; and coke pushing operations).

(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.

(ii) the emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

003 [25 Pa. Code §123.13]**Processes**

(a) Subsections (b) and (c) apply to all processes except combustion units, incinerators and pulp mill smelt dissolving tanks.

(b) No person may permit the emission into the outdoor atmosphere of particulate matter from any process listed in the following table, at any time, either in excess of the rate calculated by the formula in paragraph (2) or in such a manner that the concentration of particulate matter in the effluent gas exceeds .02 grains per dry standard cubic foot, whichever is greater:

(1) Table.

Process	Process Factor, F (in pounds per ton)
Paint manufacturing	.05 (pigment handled)

(2) Formula

$$A = .76E^{(0.42)}$$

where:

A = Allowable emissions in pounds per hour.

E = Emission index = F x W pounds per hour.

F = Process factor in pounds per unit, and

W = Production or charging rate in units per hour.

The factor F shall be obtained from the table in paragraph (1). The units for F and W shall be compatible.

**SECTION C. Site Level Plan Approval Requirements**

(3) Allowable emissions. Allowable emissions under this subsection are graphically indicated in Appendix B.

(c) For processes not listed in subsection (b)(1), including but not limited to, coke oven battery waste heat stacks and autogeneous zinc coker waste heat stacks, the following shall apply:

(1) Prohibited emissions. No person may permit the emission into the outdoor atmosphere of particulate matter from any process not listed in subsection (b)(1) in a manner that the concentration of particulate matter in the effluent gas exceeds any of the following:

(i) .04 grain per dry standard cubic foot, when the effluent gas volume is less than 150,000 dry standard cubic feet per minute.

(ii) The rate determined by the formula:

$$A = 6000/E$$

where:

A = Allowable emissions in grains per dry standard cubic foot, and

E = Effluent gas volume in dry standard cubic feet per minute,

when E is equal to or greater than 150,000 but less than 300,000.

(iii) .02 grain per dry standard cubic foot, when the effluent gas volume is greater than 300,000 dry standard cubic feet per minute.

(2) Allowable emissions. Allowable emissions under this subsection are graphically indicated in Appendix C.

Appendix C may be found within 25 Pa. Code Chapter 123.

004 [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.

005 [25 Pa. Code §123.21]**General**

(a) This section applies to sources except those subject to other provisions of this article, with respect to the control of sulfur compound emissions.

(b) No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

006 [25 Pa. Code §123.31]**Limitations**

(a) Limitations are as follows:

(1) If control of malodorous air contaminants is required under subsection (b), emissions shall be incinerated at a minimum of 1200°F for at least 0.3 second prior to their emission into the outdoor atmosphere.

(2) Techniques other than incineration may be used to control malodorous air contaminants if such techniques are equivalent to or better than the required incineration in terms of control of the odor emissions and are approved in writing by the Department.

**SECTION C. Site Level Plan Approval Requirements**

(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) The prohibition in subsection (b) does not apply to odor emissions arising from the production of agricultural commodities in their unmanufactured state on the premises of the farm operation.

007 [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.

008 [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:

- (1) when the presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- (2) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
- (3) When the emission results from sources specified in 123.1(a)(1) -- (9) (relating to prohibition of certain fugitive emissions).
- (4) N/A

009 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

Facility-wide emissions from all sources shall not exceed the following on a 12-month rolling basis:

- 20.3 TPY VOCs;
- 6.1 TPY total HAPs
- 1.5 TPY of any single HAP

[The facility is a synthetic minor facility and the revised facility PTE is based on the maximum production capacity of 30,000,000 gallons per year and the implementation of thermal oxidation controls]

010 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

Compliance with emission limits established in this plan approval may be demonstrated using engineering calculations based on fuel and material purchase records, manufacturers specifications, laboratory analyses, source test results, operating and material throughput records, AP-42 emission factors, material balance calculations, EPA Emission Inventory Improvement Program, Volume II, Chapter 8, and/or other applicable methods with written Departmental approval.

This condition replaces Synthetic Minor Operating Permit 04-00034 Section C Condition #009 as well as Section D Source ID 101 Condition #002.

**SECTION C. Site Level Plan Approval Requirements****# 011 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

When calculating emissions from this facility, emissions from all air contamination sources, including but not limited to, Batch Processing, Cleanup, Storage Tanks, Fugitives, and Fuel Combustion Sources shall be included.

012 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Facility-wide emissions from all sources shall not exceed the following on a 12-month rolling basis:

49.5 TPY VOCs;
24.0 TPY total HAPs
9.0 TPY of any single HAP

[Facility-wide emissions prior to the implementation of thermal oxidation controls]

013 [25 Pa. Code §129.14]**Open burning operations**

- (a) Air basins. No person may permit the open burning of material in an air basin.
- (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) Any 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 the 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:

**SECTION C. Site Level Plan Approval Requirements**

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:

(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).

(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 that chapter.

014 [25 Pa. Code §135.5]**Recordkeeping**

Source owners or operators shall maintain and make available upon request by the Department records including computerized records that may be necessary to comply with §§ 135.3 and 135.21 (relating to reporting; and emission statements). These 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.

Throughput Restriction(s).**# 015 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall make every effort to minimize fugitive emissions. All air contamination sources and air cleaning devices shall be operated and maintained in accordance with good air pollution control practices and manufacturers' recommendations. Fugitive emissions that are caused in part by poor maintenance or careless operation are not determined to be of minor significance.

This condition replaces Operating Permit Section C Condition #013.

**SECTION C. Site Level Plan Approval Requirements****# 016 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The total production of all paint, coating, or other product containing VOC or HAP at this facility shall be limited to 30,000,000 gallons, calculated on a 12-month rolling basis.

This condition replaces Operating Permit Section C Condition #014.

II. TESTING REQUIREMENTS.**# 017 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

If, at any time, the Department has cause to believe that air contaminant emissions from the sources listed in this plan approval may be in excess of the limitations specified in, or established pursuant to this plan approval or the permittee's operating permit, the permittee may be required to conduct test methods and procedures deemed necessary by the Department to determine the actual emissions rate. Such testing shall be conducted in accordance with 25 Pa. Code Chapter 139, where applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the company that testing is required.

018 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

Performance testing shall be conducted as follows:

(a) The Permittee shall submit one electronic copy of a pre-test protocol to the Department for review at least 90 days prior to the performance of any U.S. EPA reference method stack test. All proposed performance test methods shall be identified in the pre-test protocol and approved by the Department prior to testing.

(b) The Permittee shall notify the Regional Air Quality Manager and Division of Source Testing and Monitoring at least 15 days prior to any performance test so that an observer may be present at the time of the test. This notification may be sent by email. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department.

(c) Pursuant to 40 CFR Part 60.8(a), a complete test report shall be submitted to the Department no later than 60 calendar days after completion of the on-site testing portion of an emission test program.

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

(1) A statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings.

(2) Permit number(s) and condition(s) which are the basis for the evaluation.

(3) Summary of results with respect to each applicable permit condition.

(4) Statement of compliance or non-compliance with each applicable permit condition.

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

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

(g) All submittals shall be sent as an electronic submittal to ra-epstacktesting@pa.gov, with a cc to ra-epswstacktesting@pa.gov.

(h) The permittee shall ensure all federal reporting requirements contained in the applicable subpart of 40 CFR are

**SECTION C. Site Level Plan Approval Requirements**

followed, including timelines more stringent than those contained herein. In the event of an inconsistency or any conflicting requirements between state and the federal, the most stringent provision, term, condition, method or rule shall be used by default.

[Additional authority for this condition is derived from 25 Pa. Code Section 139.11]

III. MONITORING REQUIREMENTS.**# 019 [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.

020 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

A facility-wide inspection shall be conducted at a minimum of once each day that the facility operates at the Facility by the Owner/Operator. 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 emissions prohibited under 25 Pa. Code §§123.1 or 123.2, and malodors prohibited under 25 Pa. Code §123.31. Observations for visible stack emissions shall be conducted during daylight hours and all observations shall be conducted for all sources in operation at the time of the facility-wide inspection. If visible stack emissions, fugitive emissions, or potentially objectionable odors are apparent, the Owner/Operator shall take corrective action. Records of each inspection shall be maintained in a log and at the minimum include the date, time, name and title of the observer, along with any corrective action taken as a result.

IV. RECORDKEEPING REQUIREMENTS.**# 021 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

All required records shall be kept 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.

022 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

Records of each facility-wide inspection for visible stack, fugitive, and potentially objectionable odors as specified in Section C of this plan approval shall be maintained in a log and at a minimum include the date, time, name and title of the observer, along with any corrective action taken as a result. These records shall be kept 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.

023 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The permittee shall maintain the following comprehensive and accurate records:

- (a) Facility-wide emissions on a 12-month rolling basis for NO_x, CO, SO_x, VOC, PM, PM₁₀, PM_{2.5}, total HAPs, speciated HAPs, and CO₂e.
- (b) Total production of paint, coating, or any other product containing VOC or HAP at this facility in gallons on a 12-month rolling basis.
- (c) Results of facility-wide inspections including the date, time, name, and title of the observer, along with any corrective

**SECTION C. Site Level Plan Approval Requirements**

action taken as a result.

(d) Maintenance procedures and schedules for each air contamination source and air cleaning device authorized under this plan approval.

(e) Maintenance conducted on each air contamination source and air cleaning device authorized under this plan approval.

(f) Inspections for visible stack emissions, fugitive emissions, and potentially objectionable odors including the date, time, name, and title of the observer, along with any corrective action taken as a result.

This condition replaces Operating Permit Section C Condition #017 and #018.

V. REPORTING REQUIREMENTS.**# 024 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Malfunction reporting shall be conducted as follows:

a.) For the purpose of this condition, a malfunction is defined as any sudden, infrequent, and not reasonable preventable failure of air pollution control equipment or source to operate in a normal or usual manner that may result in an increase in the emission of air contaminants. Examples of malfunctions may include, but are not limited to: large dust plumes, heavy smoke, a spill or release that results in a malodor that is detectable outside the property on whose land the source is being operated.

b.) Any malfunction that poses an imminent danger to the public health, safety, or welfare or to the environment shall be reported by telephone to the County Emergency Management Agency (911 Center) and to the 24-hour Emergency Hotline of the appropriate DEP Regional Office (Phone 412-442-4000) no later than one hour after the discovery of an incident.

Following the telephone notification, a written notice shall be submitted to the DEP no later than the next business day.

c.) All other malfunctions shall be reported to the Department no later than the next business day.

d.) Initial reporting of the malfunction shall identify the following items to the extent known:

- i. Name and location of the facility;
- ii. Nature and cause of the malfunction;
- iii. The time when the malfunction or breakdown was first observed;
- iv. The expected duration of increased emissions; and
- v. The estimated rate of emissions.

e.) The Owner/Operator shall also notify the Department immediately, by telephone, when corrective measures for malfunctions meeting the criteria in (b.) have been accomplished.

f.) All malfunctions shall be reported to the Department by email (addresses will be provided by the Department) or by regular mail at the address below:

Pennsylvania Department of Environmental Protection
Office of Air Quality
400 Waterfront Drive, Pittsburgh, PA 15222-4745
412-442-4000

g.) If requested by the Department, the Owner/Operator shall submit a full written report to the Department, including final determinations of the times identified in d.), and the corrective measures taken on the malfunction. The report shall be submitted within fifteen (15) days of the Department's request or accomplishing corrective measures, whichever is later.

025 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

In accordance with 25 Pa. Code § 135.3, the owner or operator of a facility shall submit to the Department via AES*Online or AES*XML at www.depgreenport.state.pa.us/ by March 1st of each year, a facility inventory report for the preceding calendar year for all sources regulated under this plan approval. The inventory report shall include all emissions information for all sources operated during the preceding calendar year. Emissions data including, but not limited to, the following shall be reported:

- (i) NO_x;
- (ii) CO;
- (iii) SO_x;
- (iv) PM₁₀;
- (v) PM_{2.5};
- (vi) VOC;

**SECTION C. Site Level Plan Approval Requirements**

- (vii) Speciated HAP including, but not limited to, benzene, ethyl benzene, formaldehyde, n-hexane, toluene, isomers and mixtures of xylenes, and 2,2,4-trimethylpentane;
- (viii) Total HAP;
- (ix) CO₂e;
- (x) CH₄; and
- (xi) N₂O.

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

[Additional authority for this condition is derived from 25 Pa. Code Section 135.3]

026 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

Any information required to be submitted as part of this plan approval should be submitted to the attention of Program Manager. Information may be submitted via OnBase and/or mailed as a hard copy to the following address: Air Quality Program, Southwest Regional Office, 400 Waterfront Dr., Pittsburgh, PA 15222.

027 [25 Pa. Code §135.5]**Recordkeeping**

(a) A person who owns or operates a source to which this chapter applies, and who has previously been advised by the Department to submit a source report, shall submit by March 1 of each year a source report for the preceding calendar year. The report shall include information for all 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.

(b) A person who receives initial notification by the Department that a source report is necessary shall submit an initial source report with 60 days after receiving the notification or by March 1 of the year following the year for which the report is required, whichever is later.

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

VI. WORK PRACTICE REQUIREMENTS.**# 028 [25 Pa. Code §123.31]****Limitations**

(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 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.

029 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The permittee shall construct, operate, and maintain all air contamination sources and air cleaning devices authorized under this Plan Approval in accordance with the manufacturer's specifications and recommended maintenance schedules, or site-specific specifications developed in accordance with good engineering practice and prior operating experience.

**SECTION C. Site Level Plan Approval Requirements****# 030 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The terms and conditions in this plan approval are supplemental to and supersedes, only where specified, the terms and conditions of Operating Permit 04-00034.

VII. ADDITIONAL REQUIREMENTS.**# 031 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Air contamination sources and air cleaning devices authorized for construction and initial operation under this plan approval:

- Source ID 101: 21,000 gallon Batch Reactor Tank 4037 equipped with cooling water condenser. Controlled via existing K4/K6 caustic packed bed scrubbers and planned transition to new thermal oxidizer to replace existing scrubber.
- Source ID 101: 2,900 gallon Monomer Premix Tank WT-37A equipped with cooling water condenser and controlled via existing K4/K6 caustic packed bed scrubbers and planned transition to new thermal oxidizer to replace existing scrubber.
- 300 gallon Water Slurry Mix Tank WT-37B
- 1,900 gallon Acrylic Weigh Tank WT-4004 equipped with cooling water condenser and controlled via existing K4/K6 caustic packed bed scrubbers and planned transition to new thermal oxidizer to replace existing scrubber.
- 150 gallon DMEOWater premix tank WT-DMEOA
- Source ID 102: Three (3) 45,000 gallon Final Product Storage Tanks (S15; S20; S29)
- Source ID 102: Four (4) 20,000 gallon Raw Storage Tanks (R17; R20; R28; R29)

032 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The issuance of this plan approval does not alleviate the owner/operator from any applicable conditions or requirements found in the current operating permit.

033 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

Upon determination by the permittee that the air contamination sources and air cleaning devices covered by this plan approval are in compliance with all conditions of the plan approval, the permittee shall contact the Department's technical reviewer and schedule the Initial Operating Permit Inspection.

034 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

Upon completion of the Initial Operating Permit Inspection and determination by the Department that the permittee is in compliance with all conditions of the plan approval, the permittee shall submit either an administrative amendment to incorporate PA-04-00034C into the Synthetic Minor Operating Permit or update to a pending Synthetic Minor Operating Permit application (as appropriate) for this Facility within 60 days, as applicable

035 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The permittee shall submit requests to extend the temporary operation periods at least 15 days prior to the expiration date of any authorized period of temporary operation

036 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The Owner/Operator shall submit a proposal for emission control at the facility for loading and unloading operations within three (3) months of issuance of this Plan Approval ((or within a written extension timeframe approved by the Department). Proposal shall be reviewed by the Department. After written approval by the Department, Owner/Operator shall initial construction no later than three (3) months after proposal approval (or within a written extension timeframe approved by the

**SECTION C. Site Level Plan Approval Requirements**

Department).

VIII. COMPLIANCE CERTIFICATION.

No additional compliance certifications exist except as provided in other sections of this plan approval including Section B (relating to Plan Approval General Requirements).

IX. COMPLIANCE SCHEDULE.

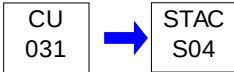
No compliance milestones exist.

**SECTION D. Source Level Plan Approval Requirements**

Source ID: 031

Source Name: BOILERS

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The sulfur content of any fuel used to fire the boilers shall not exceed 0.5% by weight.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The Owner/Operator shall maintain records of the amount of fuel used for the boilers on a monthly basis and shall maintain a 12-month rolling total of the total amount of fuel used for the boilers.

(b) These records shall be maintained 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.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VII. ADDITIONAL REQUIREMENTS.

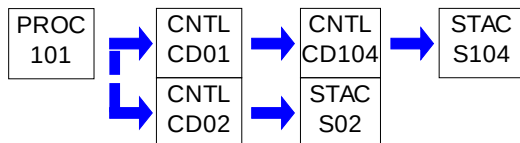
No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**SECTION D. Source Level Plan Approval Requirements**

Source ID: 101

Source Name: BATCH PROCESSING (SEE MISCELLANEOUS COMMENTS FOR DETAILS)

Source Capacity/Throughput:	20.000 Tons/HR	COATING
	20.000 Tons/HR	COATING
	10.000 Tons/HR	COATING



This source occurs in alternate operation SOURCE ID 101 ALTERNATIVE MAP

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The exhaust temperature from the final condenser on a vessel being used for Batch Processing shall not exceed the following:

Product Temperature

	Loading	Mixing	N2 Purge	Mixing Thin/Cool	Filling
Acrylics	90F	90F	90F	N/A	90F
Blends	75F	75F	75F	75F	90F
Lubes	75F	75F	75F	75F	75F
Oleo	90F	90F	90F	90F	90F
Solvent-Based Epoxy K-1	90F	90F	90F	90F	90F
Solvent-Based Epoxy K-7	90F	90F	90F	90F	90F
Solvent Based Epoxy K-7 High HAP	90F	90F	90F	90F	90F
Polyester Finishing	90F	120F	120F	90F	90F
Water Based Epoxy V70Q38	90F	90F	90F	90F	90F
Water Based Epoxy V70Q05	90F	90F	90F	90F	90F
Water Based Epoxy - other	90F	90F	90F	90F	90F

Permittee shall calibrate, operate, monitor, and maintain continuous temperature recorders with sensors located at appropriate locations to demonstrate compliance with the condenser exhaust temperature limits above.

This condition replaces SOOP-04-00034 Section D Source ID 101 Condition #001.

II. TESTING REQUIREMENTS.**# 002 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

If operation of the thermal oxidizer has not been initiated within twelve (12) months of issuance of PA-04-00034C, then the Owner/Operator shall perform a performance stack test on each scrubber within Source ID CD101, between twelve (12) and twenty-four (24) months of issuance of PA-04-00034C (or within a written extension timeframe approved by the Department). Testing shall include VOCs and highest single HAP. Stack tests shall occur when categorical resin with worst case scenario emissions are in operation for each respective scrubber. Applicable test methods shall be approved by the Department. The performance tests shall be conducted in accordance with the requirements of 25 Pa. Code §139. Protocol shall indicate which scrubber and categorical resin is being produced during performance test.

003 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The Owner/Operator of the dust collector, designated as CD02, shall perform a performance stack test on the dust collector including PM10 and PM2.5 within 180 days of Plan Approval issuance, or within a written extension timeframe approved by the Department. Applicable test methods shall be used including EPA Test Method 201a and 202, or any other applicable test method approved by the Department. The performance test shall be conducted in accordance with the requirements of

**SECTION D. Source Level Plan Approval Requirements**

25 Pa. Code §139.

004 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The Owner/Operator of the thermal oxidizer, designated as CD104, shall perform a performance stack test including VOCs, highest single HAP, capture efficiency, and destruction efficiency. The thermal oxidizer shall be tested within 180 days of initial startup or within a written extension timeframe approved by the Department. Above-required tests shall occur for the following two operations: (1) when categorical resin with worst case scenario emissions are in operation (2) when the worst-case scenario emissions, between the V70Q05 and V70Q38 productions are in operation. Applicable test methods shall be approved by the Department. The performance tests shall be conducted in accordance with the requirements of 25 Pa. Code §139. Protocol shall indicate which categorical resin is being produced during performance test.

III. MONITORING REQUIREMENTS.**# 005 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The Owner/Operator shall record all condenser outlet temperatures at each stage per batch and review these temperatures on a monthly basis to ensure that they do not exceed the temperatures used in emission factor calculations. The Owner/Operator shall take reasonable corrective actions if there are any temperature excursions.

IV. RECORDKEEPING REQUIREMENTS.**# 006 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

(a) The permittee shall maintain the following comprehensive and accurate records:

- 1) VOC, Total HAPs, and Speciated HAPS emissions, on a 12-month rolling basis for each categorical resin.
- 2) Throughput for each categorical resin in gallons per year on a 12-month rolling basis.
- 3) The temperatures of all condenser outlets during each batch operation.
- 4) The amount of products produced on a monthly basis.
- 5) Caustic scrubber sodium hydroxide concentrations on a weekly basis.
- 6) Record of density for each categorical resin produced including each time there is a change in compound or formulation.
- 7) Record of emission factor used for each categorical resin including each time there is a change in compound or formulation.
- 8) The VOC, Total HAPs, and Speciated HAPs content for each categorical resin used including each time there is a change in compound or formulation.

(b) These records shall be maintained 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.

This condition replaces Operating Permit 04-00034 Section D Source 101 Condition #004.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VI. WORK PRACTICE REQUIREMENTS.**# 007 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Caustic scrubbers shall be maintained at a sodium hydroxide concentration between 5 and 15%. Scrubber solution shall be sampled weekly and adjusted accordingly. Records shall be kept of all sample results and actions taken to adjust the

**SECTION D. Source Level Plan Approval Requirements**

sodium hydroxide concentration.

008 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

Thermal Oxidizer shall control VOC and HAPs by a minimum of 95% or an outlet VOC ppm no greater than 8 ppm as propane, shall be operated at no lower than 1400 degrees Fahrenheit, shall have a minimum retention time of 1.0 second, and shall have a capture efficiency of 100%.

Manufacturer's design calculations may be used to determine compliance with this condition.

[Per manufacturer data, the minimum residence time at the minimum operating temperature of 1450 degrees Fahrenheit is 1.6 secs: at a higher operating temperature 1,600 degrees Fahrenheit the minimum residence time is 1.44 secs;]

VII. ADDITIONAL REQUIREMENTS.**# 009 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The Owner/Operator shall provide manufactures guarantees and potential to emit estimates for fuel usage of the thermal oxidizer within thirty (30) days of final design. Construction related to thermal oxidizer shall not occur until written approval from the Department.

010 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

All sources that are approved to be controlled via scrubber shall be transitioned to thermal oxidizer control.

The design and manufacturer's specifications for the thermal oxidizer proposed by the Owner/Operator shall be submitted to the Department (for approval) within 180 days of issuance of this plan approval.

The Owner/Operator shall initiate transition from scrubber control to a thermal oxidizer control by commencing construction of the approved thermal oxidizer within 180 days of issuance of this Plan Approval (or within a written extension timeframe approved by the Department) and commencing initial operation of the thermal oxidizer with 18 months of issuance of this Plan Approval (or within a written extension timeframe approved by the Department).

Construction related to thermal oxidizer shall not occur until written approval from the Department.

011 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The condition below pertains to Source ID 101 after primary air cleaning device has been transitioned to the Thermal Oxidizer (CD104).

Air contamination source(s) shall not be operated unless respective air cleaning device is in operation. If the air cleaning device (CD104) experiences an upset in operation, experiences a malfunction, or if CD104 requires maintenance/repair, the Owner/Operator is permitted to continue operating Source ID 101 without control for up to 250 hours of operation, on a 12-month rolling basis, while repair and maintenance is provided to CD104. During operation without control of CD104, Owner/Operator shall minimize emissions and hours of operation to the best extent practicable. Uncontrolled emissions shall be accounted for in the facility-wide emission totals. In the event that a control device experiences an upset in operation or experiences a malfunction, the Owner/Operator shall submit to the Department a written malfunction report with emission calculations and other information in accordance with the malfunction condition found in Section C under Paragraph V. Reporting Requirements.

012 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The issuance of this plan approval does not alleviate the owner/operator from any applicable Source ID 101 conditions or requirements found in the current operating permit.

**SECTION D. Source Level Plan Approval Requirements****# 013 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

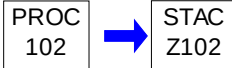
After emission control is transitioned to the thermal oxidizer, all existing scrubbers operating under Source CD101 are decommissioned, and notification of the decommissioning is received by the Department, the owner/operator is no longer subject to conditions pertaining specifically to the scrubbers.

**SECTION D. Source Level Plan Approval Requirements**

Source ID: 102

Source Name: STORAGE TANKS

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §129.57]****Storage tanks less than or equal to 40,000 gallons capacity containing VOCs**

The provisions of this section shall apply to above ground stationary storage tanks with a capacity equal to or greater than 2,000 gallons which contain volatile organic compounds with vapor pressure greater than 1.5 psia (10.5 kilopascals) under actual storage conditions. Storage tanks covered under this section shall have pressure relief valves which are maintained in good operating condition and which are set to release at no less than .7 psig (4.8 kilopascals) of pressure or .3 psig (2.1 kilopascals) of vacuum or the highest possible pressure and vacuum in accordance with state or local fire codes or the National Fire Prevention Association guidelines or other national consensus standards acceptable to the Department. Section 129.56(g) (relating to storage tanks greater than 40,000 gallons capacity containing volatile organic compounds) applies to this section. Petroleum liquid storage vessels which are used to store produced crude oil and condensate prior to lease custody transfer shall be exempt from the requirements of this section.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

V. REPORTING REQUIREMENTS.**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

For any tanks subject to 40 CFR Part 60 Subparts K, Ka, and/or Kb:

40 CFR Section 60.4 requires submission of copies of all requests, reports, applications, submittals and other communications to both the EPA and the Department. The EPA submittals shall be forwarded to the following address unless otherwise directed by the EPA or the Department:

Associate Director
Office of Air Enforcement and Compliance Assistance 3AP20
US EPA Region III
1650 Arch Street
Philadelphia, PA 19103-2029

Any notification required as a result of any condition contained herein should be directed to the regional office of the Department of Environmental Protection responsible for the county where the storage tank(s) covered by the conditions of

**SECTION D. Source Level Plan Approval Requirements**

this permit is located. Submittals to the Department shall be forwarded to the Department's Southwest Regional Office at the following address unless otherwise directed by the Department:

Pennsylvania Department of Environmental Protection
Office of Air Quality
400 Waterfront Drive
Pittsburgh, PA 15222-4745
412-442-4000

The permittee shall notify the Department and EPA, as appropriate, of changes in the products stored in a tank and describe how the change affects applicable requirements and how those applicable requirements are being met. In accordance with 25 Pa. Code §127.14(c), this notice shall be provided at least 7 days prior to a change that involves no equipment changes or at least 15 days prior to a change that involves equipment changes.

VI. WORK PRACTICE REQUIREMENTS.**# 003 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The storage tanks and associated air cleaning devices shall be:

- a. Operated in such a manner as not to cause air pollution.
- b. Operated and maintained in a manner consistent with good operating and maintenance practices.
- c. Operated and maintained in accordance with manufacturer's specifications and the applicable terms and conditions of this Plan Approval.

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

Wherever a conflict occurs between this operating permit and any of the regulations listed below, the permittee shall, in all cases, meet the more stringent requirement:

- a. 25 Pa. Code §129.56 and §129.57
- b. 40 CFR Part 60, Subparts K, Ka and Kb

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

Construction Requirements for Tanks with Capacities Equal to or Less than 40,000 Gallons and Constructed, Reconstructed or Last Modified Prior to July 23, 1984

Tanks which store volatile organic liquids as defined in 40 CFR §60.111b with a storage vapor pressure of 1.5 psia or greater shall be constructed with a relief valve set to release at no less than 0.7 psig of pressure or 0.3 psig of vacuum.

Construction Requirements for Tanks with Capacities Greater than 75 Cubic Meters (19,812 Gallons) and Equal to or Less than 151 Cubic Meters (39,889 Gallons) and Constructed, Reconstructed or Last Modified On or After July 23, 1984

These storage tanks which store organic liquids at vapor pressures greater than 4 psia and lower than 11.1 psia shall be constructed with one of the following control systems which meet the requirements of 40 CFR §60.112b:

- a. - b. Not applicable.
- c. A closed vent with a control device, which has received prior approval by the Department, capable of reducing volatile organic compound (VOC) emissions by 95 percent or more.

**SECTION D. Source Level Plan Approval Requirements**

Construction Requirements for Tanks with Capacities Equal to or Greater than 40,000 Gallons and Constructed, Reconstructed or Last Modified Prior to July 23, 1984

These storage tanks which store organic liquids at vapor pressures greater than 1.5 psia and lower than 11.1 psia, shall include one of the following control systems which meet the requirements of 25 Pa. Code §129.56:

a. - b. Not applicable.

c. A closed vent system with a control device, which has received prior approval by the Department, capable of reducing volatile organic compound (VOC) emissions by 80 percent or more.

Operating Requirements for Tanks with Capacities Greater than 40 Cubic Meters (10,556 Gallons) Which Were Constructed, Reconstructed or Last Modified On or After July 23, 1984

The storage tank shall also operate in accordance with the following conditions:

a. The storage tank is subject to the emission limitations of the New Source Performance Standard, 40 CFR Part 60, Subpart Kb.

b. The storage tank shall be tested in conformance with the requirements of 40 CFR §60.113b.

c. The storage tank owner or operator shall keep records of tank usage, descriptions, certifications, tests, inspections and repairs in conformance with 40 CFR §60.115b.

d. The storage tank owner or operator shall monitor storage tank operations in conformance with 40 CFR §60.116b.

e. In accordance with Condition 10, all reports and notifications required under 40 CFR §§60.113b(a)(5); 60.113b(b)(5); 60.113b(c)(1); 60.115b(a)(3); 60.115b(b)(1), (2) & (4); 60.115b(d)(1) & (3); and 60.116b(d) shall be provided to the Department and to the EPA.

**SECTION D. Source Level Plan Approval Requirements**

Source ID: 102A

Source Name: NORTH TANK TRUCK AREA LOADING/UNLOADING

Source Capacity/Throughput:

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

III. MONITORING REQUIREMENTS.**# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The Owner/Operator shall conduct inspections of C102a at least once every calendar month to ensure physical integrity of the control device according to the manufacturer's instructions. Monthly inspections shall be separated by at least 14 calendar days.

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VI. WORK PRACTICE REQUIREMENTS.**# 002 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The owner/operator shall install and operate low-VOC couplings for the truck hookups.

003 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

Bulk storage tanks identified as R25, R26, R27, R29, R32, and R35 shall be equipped with vapor return to truck when unloading from truck to bulk tank.

Bulk storage tank R36 shall be equipped with a pressure relief valve in accordance with 25 Pa. Code 129.57.

004 [25 Pa. Code §129.57]**Storage tanks less than or equal to 40,000 gallons capacity containing VOCs**

The provisions of this section shall apply to above ground stationary storage tanks with a capacity equal to or greater than 2,000 gallons which contain volatile organic compounds with vapor pressure greater than 1.5 psia (10.5 kilopascals) under actual storage conditions. Storage tanks covered under this section shall have pressure relief valves which are maintained in good operating condition and which are set to release at no less than .7 psig (4.8 kilopascals) of pressure or .3 psig (2.1 kilopascals) of vacuum or the highest possible pressure and vacuum in accordance with state or local fire codes or the National Fire Prevention Association guidelines or other national consensus standards acceptable to the Department. Section 129.56(g) (relating to storage tanks greater than 40,000 gallons capacity containing volatile organic compounds) applies to this section. Petroleum liquid storage vessels which are used to store produced crude oil and condensate prior to lease custody transfer shall be exempt from the requirements of this section.

**SECTION D. Source Level Plan Approval Requirements****VII. ADDITIONAL REQUIREMENTS.****# 005 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The Vapor Recovery Unit (Source ID C102a) shall operate at all times that the North Tank Truck Area Loading/Unloading (Source ID 102a) is operating.

**SECTION D. Source Level Plan Approval Requirements**

Source ID: 102B

Source Name: SOUTH TANK TRUCK AREA LOADING/UNLOADING

Source Capacity/Throughput:

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The carbon adsorber system shall be installed and operated to control vapors and odors generated from loading trucks at the six (6) tank truck filling stations at the South Tank Truck Area. The filling stations will be connected to the carbon vessel(s) to convey emissions and odors for adsorption.

002 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The truck hookups shall be low-VOC coupling.

003 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The carbon adsorber shall operate under the materials' lower explosive limit at all times.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

III. MONITORING REQUIREMENTS.**# 004 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The Owner/Operator shall monitor the dual bed Carbon Adsorber at the inlet, between the first and second beds, and after the second bed, at least once a week.

IV. RECORDKEEPING REQUIREMENTS.**# 005 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The following records shall be maintained for a minimum of five (5) years:

- Records of Carbon Adsorber breakthrough detector data testing and bed changeouts;
- Activated carbon usage in pounds on a monthly basis for the Carbon Adsorber.
- A copy of the written operator training program shall be maintained and shall include:
 - o A list of all current personnel by name and job description that are required to be trained.
 - o An outline of the subjects to be covered in the initial and annual refresher training sessions for each position or group of personnel.
 - o Lesson plans for courses to be given at the initial and annual refresher training sessions.
 - o A description of the methods to be used at the completion of the initial or annual refresher training sessions to demonstrate and document successful completion.
 - o A record of the date each employee is trained.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**SECTION D. Source Level Plan Approval Requirements****VI. WORK PRACTICE REQUIREMENTS.****# 006 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Bulk storage tanks identified as storing EKTASOLVE De-solvent and/or the hazardous air pollutant (HAP) Toluene shall be equipped with vapor return to truck when unloading from truck to bulk tank.

Bulk storage tanks identified as storing Methyl ethyl ketone (MEK) shall be equipped with pressure relief valves in accordance with 25 Pa. Code 129.57.

007 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

When a breakthrough is detected in the first bed, the second bed shall replace the first bed, and the second bed shall be replaced with a new fresh bed.

008 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The Carbon Adsorber shall operate at all times while Source ID 102b unloading or loading activities are in operation.

009 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

Granular Activated Carbon shall be replaced before an emissions breakthrough.

010 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The Carbon Adsorbers shall be equipped with lower explosive limit detectors, audible alarms, and breakthrough detectors.

011 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

For each truck loading or unloading event, the vapors generated from the loading or unloading the truck shall be controlled by the adsorption equipment.

012 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

New and existing personnel, including contract personnel, who are involved in operating the Carbon Adsorber shall complete an operator training program.

(a) Personnel shall be given refresher training annually.

013 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The control device shall contain dual activated carbon beds in series.

014 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The South Tank Truck Area Carbon Adsorber (Source ID C102b) shall operate at all times that the South Tank Truck Area Loading/Unloading (Source ID 102b) is operating.

015 [25 Pa. Code §129.57]**Storage tanks less than or equal to 40,000 gallons capacity containing VOCs**

The provisions of this section shall apply to above ground stationary storage tanks with a capacity equal to or greater than 2,000 gallons which contain volatile organic compounds with vapor pressure greater than 1.5 psia (10.5 kilopascals) under actual storage conditions. Storage tanks covered under this section shall have pressure relief valves which are maintained in good operating condition and which are set to release at no less than .7 psig (4.8 kilopascals) of pressure or .3 psig (2.1 kilopascals) of vacuum or the highest possible pressure and vacuum in accordance with state or local fire codes or the National Fire Prevention Association guidelines or other national consensus standards acceptable to the Department. Section 129.56(g) (relating to storage tanks greater than 40,000 gallons capacity containing volatile organic compounds) applies to this section. Petroleum liquid storage vessels which are used to store produced crude oil and condensate prior

**SECTION D. Source Level Plan Approval Requirements**

to lease custody transfer shall be exempt from the requirements of this section.

VII. ADDITIONAL REQUIREMENTS.

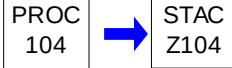
No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**SECTION D. Source Level Plan Approval Requirements**

Source ID: 104

Source Name: FUGITIVE EMISSIONS (PUMPS, BLOWERS, FITTINGS, VALVES ETC.)

Source Capacity/Throughput:

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

III. MONITORING REQUIREMENTS.**# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The Owner/Operator shall observe all pumps, blowers, associated pipelines, loading arms, fittings, valves, instruments etc. to detect any leaks at a minimum of once per month.

IV. RECORDKEEPING REQUIREMENTS.**# 002 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The Owner/Operator shall have a preventative maintenance (PM) plan and shall keep a log of all maintenance activities undertaken to minimize fugitive leaks from all pumps, blowers, associated pipelines, loading arms, fittings, valves, instruments etc.

003 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

Records of each monthly observation for leak detection as required under Section D, Condition #001 for Source 104 shall be kept 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.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VI. WORK PRACTICE REQUIREMENTS.**# 004 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The Owner/Operator shall take immediate steps to repair any leaks from pumps, blowers, associated pipelines, loading arms, fittings, valves, instruments etc.

VII. ADDITIONAL REQUIREMENTS.**# 005 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The issuance of this plan approval does not alleviate the owner/operator from any applicable Source ID 104 conditions or requirements found in the current operating permit.

**SECTION D. Source Level Plan Approval Requirements**

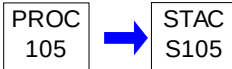
Source ID: 105

Source Name: EMERGENCY GENERATORS

Source Capacity/Throughput:

N/A

Diesel Fuel

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6603]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What emission limitations, operating limitations, and other requirements must I meet if I own or operate an existing stationary RICE?**

(a) If you own or operate an existing stationary RICE located at an area source of HAP emissions, you must comply with the requirements in Table 2d to this subpart and the operating limitations in Table 2b to this subpart that apply to you.

(b) - (f) Not applicable.

002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6604]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What fuel requirements must I meet if I own or operate an existing stationary CI RICE?**

(a) Not applicable.

(b) Beginning January 1, 2015, if you own or operate an existing emergency CI stationary RICE with a site rating of more than 100 brake HP and a displacement of less than 30 liters per cylinder that uses diesel fuel and operates or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in §63.6640(f)(2)(ii) and (iii) or that operates for the purpose specified in §63.6640(f)(4)(ii), you must use diesel fuel that meets the requirements in 40 CFR 80.510(b) for nonroad diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to January 1, 2015, may be used until depleted.

(c) - (d) Not applicable.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

IV. RECORDKEEPING REQUIREMENTS.**# 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6660]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****In what form and how long must I keep my records?**

(a) Your records must be in a form suitable and readily available for expeditious review according to § 63.10(b)(1).

**SECTION D. Source Level Plan Approval Requirements**

(b) As specified in § 63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

c) You must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to § 63.10(b)(1).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VI. WORK PRACTICE REQUIREMENTS.**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Table 2d to Subpart ZZZZ of Part 63—Requirements for Existing Stationary RICE Located at Area Sources of HAP Emissions

As stated in §63.6603 and §63.6640, you must comply with the following requirements for existing stationary RICE located at area sources of HAP emissions:

For each Emergency Stationary CI RICE, you must meet the following requirement, except during periods of startup:

- a. Change oil and filter every 500 hours of operation or annually, whichever comes first;
- b. Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and
- c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6595]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****When do I have to comply with this subpart?**

(a) Affected sources. (1) If you have an existing stationary RICE... with a site rating of more than 500 brake HP located at a major source of HAP emissions, you must comply with the applicable emission limitations, operating limitations and other requirements no later than June 15, 2007. If you have... an existing stationary CI RICE located at an area source of HAP emissions, you must comply with the applicable emission limitations, operating limitations, and other requirements no later than May 3, 2013. If you have... an existing stationary SI RICE located at an area source of HAP emissions, you must comply with the applicable emission limitations, operating limitations, and other requirements no later than October 19, 2013.

(2) - (7) Not applicable.

(b) Not applicable.

(c) If you own or operate an affected source, you must meet the applicable notification requirements in §63.6645 and in 40 CFR part 63, subpart A.

006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my general requirements for complying with this subpart?**

(a) You must be in compliance with the emission limitations, operating limitations, and other requirements in this subpart that apply to you at all times.

(b) At all times you must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions.

**SECTION D. Source Level Plan Approval Requirements**

The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my monitoring, installation, operation, and maintenance requirements?**

(a) - (g) Not applicable.

(h) If you operate a new, reconstructed, or existing stationary engine, you must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in Tables 1a, 2a, 2c, and 2d to this subpart apply.

(i) - (j) Not applicable.

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?**

(a) You must demonstrate continuous compliance with each emission limitation, operating limitation, and other requirements in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d to this subpart that apply to you according to methods specified in Table 6 to this subpart.

(b) You must report each instance in which you did not meet each emission limitation or operating limitation in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d to this subpart that apply to you. These instances are deviations from the emission and operating limitations in this subpart. These deviations must be reported according to the requirements in §63.6650. If you change your catalyst, you must reestablish the values of the operating parameters measured during the initial performance test. When you reestablish the values of your operating parameters, you must also conduct a performance test to demonstrate that you are meeting the required emission limitation applicable to your stationary RICE.

(c) - (e) Not applicable.

(f) If you own or operate an emergency stationary RICE, you must operate the emergency stationary RICE according to the requirements in paragraphs (f)(1) through (4) of this section. In order for the engine to be considered an emergency stationary RICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (f)(1) through (4) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1) through (4) of this section, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

(1) There is no time limit on the use of emergency stationary RICE in emergency situations.

(2) You may operate your emergency stationary RICE for any combination of the purposes specified in paragraphs (f)(2)(i) through (iii) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraphs (f)(3) and (4) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (f)(2).

(i) Emergency stationary RICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance

**SECTION D. Source Level Plan Approval Requirements**

checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year.

(ii) Emergency stationary RICE may be operated for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergencies (incorporated by reference, see §63.14), or other authorized entity as determined by the Reliability Coordinator, has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP-002-3.

(iii) Emergency stationary RICE may be operated for periods where there is a deviation of voltage or frequency of 5 percent or greater below standard voltage or frequency.

(3) Not applicable.

(4) Emergency stationary RICE located at area sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph (f)(2) of this section. Except as provided in paragraphs (f)(4)(i) and (ii) of this section, the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(i) Prior to May 3, 2014, the 50 hours per year for non-emergency situations can be used for peak shaving or nonemergency demand response to generate income for a facility, or to otherwise supply power as part of a financial arrangement with another entity if the engine is operated as part of a peak shaving (load management program) with the local distribution system operator and the power is provided only to the facility itself or to support the local distribution system.

(ii) The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met:

(A) The engine is dispatched by the local balancing authority or local transmission and distribution system operator.

(B) The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region.

(C) The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines.

(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.

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6645]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What notifications must I submit and when?**

(a) You must submit all of the notifications in §§ 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), and (g) and (h) that apply to you by the dates specified if you own or operate any of the following;

(1) Not applicable.

(2) An existing stationary RICE located at an area source of HAP emissions.

(3) - (4) Not applicable.

**SECTION D. Source Level Plan Approval Requirements**

(5) This requirement does not apply if you own or operate an existing stationary RICE less than 100 HP, an existing stationary emergency RICE, or an existing stationary RICE that is not subject to any numerical emission standards.

(b) - (i) Not applicable.

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]

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

What records must I keep?

a) - (d) Not applicable.

(e) You must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE and after-treatment control device (if any) according to your own maintenance plan if you own or operate any of the following stationary RICE;

(1) - (2) Not applicable.

(3) An existing stationary RICE located at an area source of HAP emissions subject to management practices as shown in Table 2d to this subpart.

(f) Not applicable.

VII. ADDITIONAL REQUIREMENTS.

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]

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

Am I subject to this subpart?

You are subject to this subpart if you own or operate a stationary RICE at a major or area source of HAP emissions, except if the stationary RICE is being tested at a stationary RICE test cell/stand.

(a) A stationary RICE is any internal combustion engine which uses reciprocating motion to convert heat energy into mechanical work and which is not mobile. Stationary RICE differ from mobile RICE in that a stationary RICE is not a nonroad engine as defined at 40 CFR 1068.30, and is not used to propel a motor vehicle or a vehicle used solely for competition.

(b) A major source of HAP emissions is a plant site that emits or has the potential to emit any single HAP at a rate of 10 tons (9.07 megagrams) or more per year or any combination of HAP at a rate of 25 tons (22.68 megagrams) or more per year, except that for oil and gas production facilities, a major source of HAP emissions is determined for each surface site.

(c) An area source of HAP emissions is a source that is not a major source.

(d) If you are an owner or operator of an area source subject to this subpart, your status as an entity subject to a standard or other requirements under this subpart does not subject you to the obligation to obtain a permit under 40 CFR part 70 or 71, provided you are not required to obtain a permit under 40 CFR 70.3(a) or 40 CFR 71.3(a) for a reason other than your status as an area source under this subpart. Notwithstanding the previous sentence, you must continue to comply with the provisions of this subpart as applicable.

(e) - (f) Not applicable.

012 [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.

**SECTION D. Source Level Plan Approval Requirements**

(a) Affected source. An affected source is any existing, new, or reconstructed stationary RICE located at a major or area source of HAP emissions, excluding stationary RICE being tested at a stationary RICE test cell/stand.

(1) Existing stationary RICE.

(i) - (ii) Not applicable.

(iii) For stationary RICE located at an area source of HAP emissions, a stationary RICE is existing if you commenced construction or reconstruction of the stationary RICE before June 12, 2006.

(iv) A change in ownership of an existing stationary RICE does not make that stationary RICE a new or reconstructed stationary RICE.

(2) - (3) Not applicable.

(b) - (c) Not applicable.

**SECTION D. Source Level Plan Approval Requirements**

Source ID: 107

Source Name: EMERGENCY GENERATOR

Source Capacity/Throughput:

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).



SECTION E. Source Group Plan Approval Restrictions.

**SECTION F. Alternative Operation Requirements.**

Alternative Operation Name: SOURCE ID 101 ALTERNATIVE MAP

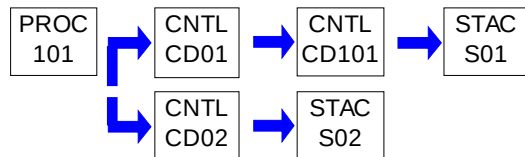
#001 CHANGES FROM NORMAL OPERATION

Source 101 has two mapping options. This "alteranting operating scenario" is solely for mapping purposes. All conditions for Source 101 are found in one location. Please see Section D for Source 101 conditions.

Sources included in this Alternative Operation:

ID	Name	Source Type
101	BATCH PROCESSING (SEE MISCELLANEOUS COMMENTS FOR DETAILS)	Process

Alternative Operation Map:

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**SECTION G. Emission Restriction Summary.**

Alternative Operation Emission Restriction Summary

No emission restrictions listed in this section of the permit.

Source Id	Source Description
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SECTION H. Miscellaneous.

On March 15, 2023, the Department received notification from Sherwin Williams that construction was completed for Source ID 101 – Batch Processing (including: Tank 4037, Weigh Tank WT-4004, Weigh Tank, WT-37A, Weigh Tank WT-37B, and Weigh Tank WT-DMEOA) as well as Source ID 102 – Storage Tanks (including Tanks S15, S20, S29, R17, R20, R28, and R29).

The notification also stated that the sources were initially started on March 6, 2023.

On May 24, 2023, Sherwin Williams confirmed that Tank 4085, under Source ID 101, is no longer part of the project and will not be constructed.

References to Tank 4085, within the Plan Approval Description, as well as 04-00034C; Section C; Condition #030 have been clarified and/or removed from the Plan Approval.

Bulk Tank R22 stores material with a vapor pressure below 1.5 psia and is uncontrolled. control

Source ID 102 – Storage Tanks. For the miscellaneous loading/unloading areas, they are currently under Z102-Storage Tanks Fugitive Emissions. Since the miscellaneous loading/unloading areas are not expected to emit odors and remain uncontrolled, this will not be modified for these sources.

C102a identifies the work practice using a closed loop vapor recovery system in the North Area

C102b identifies a carbon adsorption unit in the South Area installed and operated to control vapors and odors generated from loading trucks at the six (6) tank truck filling stations at the South Tank Truck Area. Exhaust point TBD after final design selection.

Source ID 102b also includes Department approved work practices for bulk tank loading or unloading activities that are not equipped with vapor recovery lines or carbon adsorption.

On August 7, 2025, the Department modified the plan approval to include the conditions of OP-04-00034.



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