Covestro LLC
South Charleston Manufacturing Facility
Title V Permit Application (2016)
R30-03900102-2012

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WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF AIR QUALITY
601 57th Street SE
Charleston, WV 25304
Phone: (304) 926-0475
www.dep.wv.gov/daq

INITIAL/RENEWAL TITLE V PERMIT APPLICATION - GENERAL FORMS

Section 1: General Information

1. **Name of Applicant (As registered with the WV Secretary of State's Office):** Covestro LLC	**2. Facility Name or Location:** South Charleston Manufacturing
3. DAQ Plant ID No.: 0 3 9 — 0 0 1 0 2	**4. Federal Employer ID No. (FEIN):** 0 6 1 6 5 3 7 4 0

5. **Permit Application Type:**

☐ Initial Permit — When did operations commence? 09/01/2015 (As Covestro)
☒ Permit Renewal — What is the expiration date of the existing permit? 06/11/2016
☐ Update to Initial/Renewal Permit Application

6. Type of Business Entity: ☒ Corporation ☐ Governmental Agency ☐ LLC ☐ Partnership ☐ Limited Partnership	**7. Is the Applicant the:** ☐ Owner ☐ Operator ☒ Both If the Applicant is not both the owner and operator, please provide the name and address of the other party. _____ _____ _____
8. Number of onsite employees: Approximately 115	

9. Governmental Code:

☒ Privately owned and operated; 0
☐ Federally owned and operated; 1
☐ State government owned and operated; 2
☐ County government owned and operated; 3
☐ Municipality government owned and operated; 4
☐ District government owned and operated; 5

10. Business Confidentiality Claims

Does this application include confidential information (per 45CSR31)? ☒ Yes ☐ No

If yes, identify each segment of information on each page that is submitted as confidential, and provide justification for each segment claimed confidential, including the criteria under 45CSR§31-4.1, and in accordance with the DAQ's *"PRECAUTIONARY NOTICE-CLAIMS OF CONFIDENTIALITY"* guidance.

11. Mailing Address		
Street or P.O. Box: 501 Second Avenue		
City: South Charelston	**State:** WV	**Zip:** 25303-
Telephone Number: (304) 746-8000	**Fax Number:** (304) 746-8138	

12. Facility Location		
Street: 437 MacCorkle Avenue	**City:** South Charleston	**County:** Kanawha
UTM Easting: 439.65 km	**UTM Northing:** 4,247.00 km	**Zone:** ☒ 17 or ☐ 18
Directions: From DAQ offices get on I-64W and exit at Montrose (Exit #56). Manufacturing facility is located straight ahead on MacCorkle Avenue.		
Portable Source? ☐ Yes ☒ No		
Is facility located within a nonattainment area? ☐ Yes ☒ No		**If yes, for what air pollutants?**
Is facility located within 50 miles of another state? ☐ Yes ☒ No		**If yes, name the affected state(s).**
Is facility located within 100 km of a Class I Area[1]? ☐ Yes ☒ No **If no, do emissions impact a Class I Area[1]?** ☐ Yes ☒ No		**If yes, name the area(s).**

[1] *Class I areas include Dolly Sods and Otter Creek Wilderness Areas in West Virginia, and Shenandoah National Park and James River Face Wilderness Area in Virginia.*

13. Contact Information		
Responsible Official: Glenn W. Kraynie		**Title:** Vice-President and Site Manager
Street or P.O. Box: 501 Second Avenue		
City: South Charleston	**State:** WV	**Zip: 25303-**
Telephone Number: (304) 746-8021	**Fax Number:** (304) 746-8025	
E-mail address: glenn.kraynie@covestro.com		
Environmental Contact: Jim White		**Title:** Senior HES Manager
Street or P.O. Box: 501 Second Avenue		
City: South Charleston	**State:** WV	**Zip: 35303-**
Telephone Number: (304) 746-8046	**Fax Number:** (304) 746-8138	
E-mail address: james.white@covestro.com		
Application Preparer: Same as environmental contact		**Title:**
Company:		
Street or P.O. Box:		
City:	**State:**	**Zip:** -
Telephone Number: ( ) -	**Fax Number:** ( ) -	
E-mail address:		

14. Facility Description

List all processes, products, NAICS and SIC codes for normal operation, in order of priority. Also list any process, products, NAICS and SIC codes associated with any alternative operating scenarios if different from those listed for normal operation.

Process	Products	NAICS	SIC
Flex Polyols	Polyether Polyols	325199	2869
Polymer Polyols	Polymer Polyols	325199	2869

Provide a general description of operations.

The **Flex Polyol** units (B103 and B196) are chemical manufacturing processes for the production of Polyether Polyols. Polyether Polyols are compounds that are formed through the polymerization of ethylene oxide (EO) or propylene oxide (PO) with compounds that have a least one reactive hydrogen. Polyether Polyols are either used as raw materials for the Polymer manufacturing units at South Charleston or sold for use in urethane applications. Many different Polyether products are made by changing the reactive hydrogen compound, varying the amount of PO or EO, and changing or adjusting the catalyst.

The major raw materials (PO and EO) are received from common facility systems. Most of the other raw materials and ancillary equipment are dedicated to the unit. The reactors are operated in a semi-batch mode and the refining steps are operated in a continuous mode. One reactor system does not utilize a refining step and utilizes a different reaction catalyst.

The Flex Polyol process is broken down into four areas: Feed system, reaction system, intermediate storage and refining system.

The **Polymer Polyol** units are chemical manufacturing processes for the production of polymer polyols. Polymer Polymers are colloidal dispersions of small polymer particles in polyether polyols. The polymer particles are composed of acrylonitrile and styrene in some cases vinylidene chloride is also added. Polymer Polyols are used in the manufacture of polyurethanes. Many different Polymer Polyol products are manufactured depending upon the final customer application. The different products are made by modifying the Flex Polyol, use of Preformed Stabilizer and/or varying copolymer charge amounts.

The Polymer Polyol process is broken down into four areas: Feed system, reaction system, evaporation system and product filtration/storage system. This is a continuous manufacturing system.

15. Provide an **Area Map** showing plant location as **ATTACHMENT A.**

16. Provide a **Plot Plan(s)**, e.g. scaled map(s) and/or sketch(es) showing the location of the property on which the stationary source(s) is located as **ATTACHMENT B**. For instructions, refer to "Plot Plan - Guidelines."

17. Provide a detailed **Process Flow Diagram(s)** showing each process or emissions unit as **ATTACHMENT C**. Process Flow Diagrams should show all emission units, control equipment, emission points, and their relationships.

Section 2: Applicable Requirements

18. Applicable Requirements Summary	
Instructions: Mark all applicable requirements.	
☐ SIP	☐ FIP
☒ Minor source NSR (45CSR13)	☐ PSD (45CSR14)
☐ NESHAP (45CSR34)	☐ Nonattainment NSR (45CSR19)
☒ Section 111 NSPS	☒ Section 112(d) MACT standards
☐ Section 112(g) Case-by-case MACT	☒ 112(r) RMP
☐ Section 112(i) Early reduction of HAP	☐ Consumer/commercial prod. reqts., section 183(e)
☐ Section 129 Standards/Reqts.	☐ Stratospheric ozone (Title VI)
☐ Tank vessel reqt., section 183(f)	☐ Emissions cap 45CSR§30-2.6.1
☐ NAAQS, increments or visibility (temp. sources)	☒ 45CSR27 State enforceable only rule
☒ 45CSR4 State enforceable only rule	☐ Acid Rain (Title IV, 45CSR33)
☐ Emissions Trading and Banking (45CSR28)	☐ Compliance Assurance Monitoring (40CFR64)
☐ CAIR NO_x Annual Trading Program (45CSR39)	☐ CAIR NO_x Ozone Season Trading Program (45CSR40)
☐ CAIR SO_2 Trading Program (45CSR41)	

19. Non Applicability Determinations

List all requirements which the source has determined not applicable and for which a permit shield is requested. The listing shall also include the rule citation and the reason why the shield applies.

Standards of performance for Volatile Organic Liquid Vessels – 40CFR Part 60 (only tanks T-626 and T-632 must meet Kb) and 45CSR16.

40 CFR 63 Subpart G (National Emission Standards for HAP's for Source Categoried) – since subpart F is not applicable, Subpart G is not applicable. Facility does not manufacture as a primary product one or more of the chemicals listed in paragraphs (b)(1)(i) or (b)(1)(ii) of Subpart F

40 CFR 63 Subpart EEE (Organic Liquids Distribution – Non Gasoline) – propylene oxide storage spheres are covered by the Polyether MACT

40 CFR 63 Subpart FFFF (MON) – Polymer Polyols units were deemed a synthetic minor (R13-2561C) prior to the Subpart FFFF compliance date of May 2008 compliance datre.

40 CRR 63 Subpart VVVVVV (National Emission Standard for HAP's for Chemical Manufacturing Area Sources) – acetaldehyde (Table 1 HAP) is received as an impurity in propylene oxide and may under specific operating conditions be generated in the manufacturing process in low concentration. Acetaldehyde is a noncarginogen and is not present in the process fluid at greater than 1.0%.

☒ Permit Shield

19. Non Applicability Determinations *(Continued)* - *Attach additional pages as necessary.*

List all requirements which the source has determined not applicable and for which a permit shield is requested. The listing shall also include the rule citation and the reason why the shield applies.

☐ Permit Shield

20. Facility-Wide Applicable Requirements

List all facility-wide applicable requirements. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*).

List all facility-wide applicable requirements. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*).

Open burning - 45§6-3.1 and 6-3.2

Asbestos – 40CFR§61.145(b) and 45CSR15

Odor – 45CSR§4-3.1 (State enforceable only)

Standby plan for reducing emissions – 45CSR§11-5.2

Emission inventory – WV Code 22-5-4(a)(14)

Ozone-Depleting Substances 40CFR82, Subpart F

Risk Management Plan – 40CFR68

Particulate Matter Control – 45CSR§7-5.2

Facility Construction & Operation - 45CSR13, Permit No R13-2561F

Prevent and Control Air pollution from Emission of VOC's – 45CSR21

Prevent and Control Air Pollution from Hazardous Waste TSD Facilities – 45CSR25

To Prevent and Control the Emissions of Toxic Air Pollutants – 45CSR27 (State enforceable only)

Emissions Standards for HAP's Pursuant to 40 CFR Part 63 – 40CFR Part 63 (Flex Polyol Reactors are subject to PPP)

Protection of Stratospheric Ozone – 40 CFR Part82

Standards of performance for Volatile Organic Liquid Vessels – 40CFR Part 60 (only tanks T-626 and T-632 must meet Kb) and 45CSR16.

To Prevent and Control Particulate Air Pollution from Manufacturing Process Operations – 45CSR7.

☒ Permit Shield

For all facility-wide applicable requirements listed above, provide monitoring/testing / recordkeeping / reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number and/or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Monitoring – 45CSR§21-46.1

Testing – WV Code § 22-5-4(a)(15) and 45CSR13

Recordkeeping requirements

- Monitoring Information – 45CSR§30-5.1.c2.A
- Retention of records – 45CSR§30-5.1c.2.B
- Odor – 45CSR§30-5.1.c (State enforceable only)

Reporting Requirements

- Responsible Official – 45CSR§30-4.4, 5.1.c.3.D and 5.1.c.3.E
- Certified Emissions Statement – 45CSR§30-8
- Compliance Certification – 45CSR§30-5.3.e
- Semi-annual Monitoring Reports – 45CSR§30-5.1.c.3.A
- Emergencies – Section 2.17 of Title V permit
- Deviations – 45CSR§30-5.1.c.3.B through D
- New applicable requirements – 45CSR§30-4.3.h.1.B

Are you in compliance with all facility-wide applicable requirements? ☒ Yes ☐ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

20. Facility-Wide Applicable Requirements *(Continued)* - *Attach additional pages as necessary.*

List all facility-wide applicable requirements. For each applicable requirement, include the rule citation and/or permit with the condition number.

☒ Permit Shield

For all facility-wide applicable requirements listed above, provide monitoring/testing/recordkeeping/ reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number and/or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all facility-wide applicable requirements? ☒ Yes ☐ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

21. Active Permits/Consent Orders		
Permit or Consent Order Number	Date of Issuance MM/DD/YYYY	List any Permit Determinations that Affect the Permit *(if any)*
R13-2561K	08/19/2015	The construction and operation of the wastewater stripper (C02044) approved under R13-2561A coupled with the approval of R13-2561C established Bayer's SC, WV facility as a synthetic minor source for HAP's thus relieving the company of all the applicability requirements set forth by 40 CFR 63, Subpart FFF (MON).
R30-03900102-2012 (MM03) R30-03900102-2012	12/22/2015 06/11/2012	Since R13-2561C established synthetic minor status before the MON's applicable compliance date of 5/10/2008, the requirements of 40 CFR 63, Subpart FFFF are no longer applicable.
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22. Inactive Permits/Obsolete Permit Conditions		
Permit Number	Date of Issuance	Permit Condition Number
R13-749	07/16/1984	
R1136	11/13/1990	
R13-1182, A, B, C, D and E	1/24/90,1/8/99,6/8/01,4/22/02, 10/7/03 and 12/21/2004	
R13-1400, R	10/9/91 and 3/29/94	
R13-1440	04/03/1992	
R13-1524	09/22/1992	
R13-1729, A & B	6/21/94,1/6/99 and 9/25/00	
R13-1730, A & B	6/21/1994, 4/28/1999 and 8/28/2003	
R13-2083	03/21/1997	
R13-2092	03/05/1997	
R13-2429	06/11/2001	
R13-2561	03/04/2004	
R13-2561A	12/16/2004	
R13-2561B	11/09/2006	
R13-2561C	04/09/2007	
R13-2561D	12/28/2007	
R13-2561E	04/18/2008	
R13-2561F	12/28/2009	
R13-2561G	09/16/2011	
R13-2561H	03/05/2012	
R13-2561I	07/19/2013	
R13-2561J	10/06/2014	
R30-03900102-2006	12/28/2006	
R30-03900102-2006(MM01)	10/06/2008	
R30-03900102-2006(MM02)	03/11/2009	
R30-03900102-2012 (MM01)	09/09/2013	

22. Inactive Permits/Obsolete Permit Conditions		
Permit Number	Date of Issuance	Permit Condition Number
R30-03900102-2012 (MM02)	12/05/2014	
CO-R27-92-22A(91)	06/02/1992	
CO-R27-98-36A(92)	10/02/1998	
CO-R21-97-37	12/17/1997	

Section 3: Facility-Wide Emissions

23. Facility-Wide Emissions Summary [Tons per Year]	
Criteria Pollutants	Potential Emissions
Carbon Monoxide (CO)	0.71
Nitrogen Oxides (NO_X)	6.51
Lead (Pb)	0
Particulate Matter ($PM_{2.5}$)[1]	0
Particulate Matter (PM_{10})[1]	0.03
Total Particulate Matter (TSP)	0
Sulfur Dioxide (SO_2)	0
Volatile Organic Compounds (VOC)	124.0
Hazardous Air Pollutants[2]	Potential Emissions
Acetaldehyde	1.2
Acrylonitrile	0.26
Benzene	0.01
Ethylbenzene	0.01
Ethylene oxide	1.4
Propionaldehyde	2.4
Propylene oxide	6.6
Styrene	0.96
Xylene	0.01
Regulated Pollutants other than Criteria and HAP	Potential Emissions

[1] $PM_{2.5}$ and PM_{10} are components of TSP.
[2] For HAPs that are also considered PM or VOCs, emissions should be included in both the HAPs section and the Criteria Pollutants section.

Section 4: Insignificant Activities

		24. Insignificant Activities (Check all that apply)
☒	1.	Air compressors and pneumatically operated equipment, including hand tools.
☒	2.	Air contaminant detectors or recorders, combustion controllers or shutoffs.
☒	3.	Any consumer product used in the same manner as in normal consumer use, provided the use results in a duration and frequency of exposure which are not greater than those experienced by consumer, and which may include, but not be limited to, personal use items; janitorial cleaning supplies, office supplies and supplies to maintain copying equipment.
☒	4.	Bathroom/toilet vent emissions.
☒	5.	Batteries and battery charging stations, except at battery manufacturing plants.
☒	6.	Bench-scale laboratory equipment used for physical or chemical analysis, but not lab fume hoods or vents. Many lab fume hoods or vents might qualify for treatment as insignificant (depending on the applicable SIP) or be grouped together for purposes of description.
☐	7.	Blacksmith forges.
☒	8.	Boiler water treatment operations, not including cooling towers.
☐	9.	Brazing, soldering or welding equipment used as an auxiliary to the principal equipment at the source.
☐	10.	CO_2 lasers, used only on metals and other materials which do not emit HAP in the process.
☒	11.	Combustion emissions from propulsion of mobile sources, except for vessel emissions from Outer Continental Shelf sources.
☒	12.	Combustion units designed and used exclusively for comfort heating that use liquid petroleum gas or natural gas as fuel.
☒	13.	Comfort air conditioning or ventilation systems not used to remove air contaminants generated by or released from specific units of equipment.
☐	14.	Demineralized water tanks and demineralizer vents.
☐	15.	Drop hammers or hydraulic presses for forging or metalworking.
☒	16.	Electric or steam-heated drying ovens and autoclaves, but not the emissions from the articles or substances being processed in the ovens or autoclaves or the boilers delivering the steam.
☐	17.	Emergency (backup) electrical generators at residential locations.
☒	18.	Emergency road flares.
☐	19.	Emission units which do not have any applicable requirements and which emit criteria pollutants (CO, NO_x, SO_2, VOC and PM) into the atmosphere at a rate of less than 1 pound per hour and less than 10,000 pounds per year aggregate total for each criteria pollutant from all emission units. Please specify all emission units for which this exemption applies along with the quantity of criteria pollutants emitted on an hourly and annual basis: _____ _____ _____ _____ _____ _____ _____ _____ _____

24. Insignificant Activities (Check all that apply)		
☐	20.	Emission units which do not have any applicable requirements and which emit hazardous air pollutants into the atmosphere at a rate of less than 0.1 pounds per hour and less than 1,000 pounds per year aggregate total for all HAPs from all emission sources. This limitation cannot be used for any source which emits dioxin/furans nor for toxic air pollutants as per 45CSR27. Please specify all emission units for which this exemption applies along with the quantity of hazardous air pollutants emitted on an hourly and annual basis: _____ _____ _____ _____ _____
☐	21.	Environmental chambers not using hazardous air pollutant (HAP) gases.
☒	22.	Equipment on the premises of industrial and manufacturing operations used solely for the purpose of preparing food for human consumption.
☐	23.	Equipment used exclusively to slaughter animals, but not including other equipment at slaughterhouses, such as rendering cookers, boilers, heating plants, incinerators, and electrical power generating equipment.
☒	24.	Equipment used for quality control/assurance or inspection purposes, including sampling equipment used to withdraw materials for analysis.
☒	25.	Equipment used for surface coating, painting, dipping or spray operations, except those that will emit VOC or HAP.
☒	26.	Fire suppression systems.
☒	27.	Firefighting equipment and the equipment used to train firefighters.
☐	28.	Flares used solely to indicate danger to the public.
☒	29.	Fugitive emission related to movement of passenger vehicle provided the emissions are not counted for applicability purposes and any required fugitive dust control plan or its equivalent is submitted.
☒	30.	Hand-held applicator equipment for hot melt adhesives with no VOC in the adhesive formulation.
☒	31.	Hand-held equipment for buffing, polishing, cutting, drilling, sawing, grinding, turning or machining wood, metal or plastic.
☐	32.	Humidity chambers.
☒	33.	Hydraulic and hydrostatic testing equipment.
☐	34.	Indoor or outdoor kerosene heaters.
☒	35.	Internal combustion engines used for landscaping purposes.
☐	36.	Laser trimmers using dust collection to prevent fugitive emissions.
☐	37.	Laundry activities, except for dry-cleaning and steam boilers.
☐	38.	Natural gas pressure regulator vents, excluding venting at oil and gas production facilities.
☐	39.	Oxygen scavenging (de-aeration) of water.
☐	40.	Ozone generators.

24. Insignificant Activities (Check all that apply)		
☒	41.	Plant maintenance and upkeep activities (e.g., grounds-keeping, general repairs, cleaning, painting, welding, plumbing, re-tarring roofs, installing insulation, and paving parking lots) provided these activities are not conducted as part of a manufacturing process, are not related to the source's primary business activity, and not otherwise triggering a permit modification. (Cleaning and painting activities qualify if they are not subject to VOC or HAP control requirements. Asphalt batch plant owners/operators must still get a permit if otherwise requested.)
☒	42.	Portable electrical generators that can be moved by hand from one location to another. "Moved by Hand" means that it can be moved without the assistance of any motorized or non-motorized vehicle, conveyance, or device.
☒	43.	Process water filtration systems and demineralizers.
☒	44.	Repair or maintenance shop activities not related to the source's primary business activity, not including emissions from surface coating or de-greasing (solvent metal cleaning) activities, and not otherwise triggering a permit modification.
☒	45.	Repairs or maintenance where no structural repairs are made and where no new air pollutant emitting facilities are installed or modified.
☒	46.	Routing calibration and maintenance of laboratory equipment or other analytical instruments.
☐	47.	Salt baths using nonvolatile salts that do not result in emissions of any regulated air pollutants. Shock chambers.
☐	48.	Shock chambers.
☐	49.	Solar simulators.
☐	50.	Space heaters operating by direct heat transfer.
☒	51.	Steam cleaning operations.
☒	52.	Steam leaks.
☐	53.	Steam sterilizers.
☒	54.	Steam vents and safety relief valves.
☒	55.	Storage tanks, reservoirs, and pumping and handling equipment of any size containing soaps, vegetable oil, grease, animal fat, and nonvolatile aqueous salt solutions, provided appropriate lids and covers are utilized.
☐	56.	Storage tanks, vessels, and containers holding or storing liquid substances that will not emit any VOC or HAP. Exemptions for storage tanks containing petroleum liquids or other volatile organic liquids should be based on size limits such as storage tank capacity and vapor pressure of liquids stored and are not appropriate for this list.
☐	57.	Such other sources or activities as the Director may determine.
☐	58.	Tobacco smoking rooms and areas.
☒	59.	Vents from continuous emissions monitors and other analyzers.

Section 5: Emission Units, Control Devices, and Emission Points

25. Equipment Table
Fill out the **Title V Equipment Table** and provide it as **ATTACHMENT D**.
26. Emission Units
For each emission unit listed in the **Title V Equipment Table**, fill out and provide an **Emission Unit Form** as **ATTACHMENT E**.
For each emission unit not in compliance with an applicable requirement, fill out a **Schedule of Compliance Form** as **ATTACHMENT F**.
27. Control Devices
For each control device listed in the **Title V Equipment Table**, fill out and provide an **Air Pollution Control Device Form** as **ATTACHMENT G**.
For any control device that is required on an emission unit in order to meet a standard or limitation for which the potential pre-control device emissions of an applicable regulated air pollutant is greater than or equal to the Title V Major Source Threshold Level, refer to the **Compliance Assurance Monitoring (CAM) Form(s)** for CAM applicability. Fill out and provide these forms, if applicable, for each Pollutant Specific Emission Unit (PSEU) as **ATTACHMENT H**.

Section 6: Certification of Information

28. Certification of Truth, Accuracy and Completeness and Certification of Compliance

*Note: This Certification must be signed by a responsible official. The **original**, signed in **blue ink**, must be submitted with the application. Applications without an **original** signed certification will be considered as incomplete.*

a. Certification of Truth, Accuracy and Completeness

I certify that I am a responsible official (as defined at 45CSR§30-2.38) and am accordingly authorized to make this submission on behalf of the owners or operators of the source described in this document and its attachments. I certify under penalty of law that I have personally examined and am familiar with the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine and/or imprisonment.

b. Compliance Certification

Except for requirements identified in the Title V Application for which compliance is not achieved, I, the undersigned hereby certify that, based on information and belief formed after reasonable inquiry, all air contaminant sources identified in this application are in compliance with all applicable requirements.

Responsible official (type or print)	
Name: Glenn W. Kraynie	Title: Vive-President & Site Manager

Responsible official's signature:

Signature: Glenn W. Kraynie (Must be signed and dated in blue ink) Signature Date: 12/8/2016

Note: Please check all applicable attachments included with this permit application:	
☒	ATTACHMENT A: Area Map
☒	ATTACHMENT B: Plot Plan(s)
☒	ATTACHMENT C: Process Flow Diagram(s)
☒	ATTACHMENT D: Equipment Table
☒	ATTACHMENT E: Emission Unit Form(s)
☐	ATTACHMENT F: Schedule of Compliance Form(s)
☒	ATTACHMENT G: Air Pollution Control Device Form(s)
☐	ATTACHMENT H: Compliance Assurance Monitoring (CAM) Form(s)

All of the required forms and additional information can be found and downloaded from, the DEP website at www.dep.wv.gov/daq, requested by phone (304) 926-0475, and/or obtained through the mail.

Covestro LLC 437 MacCorkle Avenue South Charleston West Virginia 25303		Responsible Official: Glenn W. Kraynie VP & Site Manager Phone: (304) 746-8021 Fax: (304) 746-8025
Confidential Information submitted by: Title:	James H. White Senior HES Manager	Phone: (304) 746-8046 FAX: (304) 746-8138

Reason for Submittal of Confidential Information: Proprietary manufacturing information.

Identification of Confidential Information	Rationale for confidential claim	Confidential Treatment Time Period
Pages: 28,29,30,31,32, 45,46,47,48,50, 51,52,53,54,55, 56,60,61,62,63, 64,65,66,67,68, 69,71,74,75,76, 77,78	a. Covestro continues to claim business confidentiality for this business. The claim has not been expired by its term, or been waived or withdrawn. The confidential information should continue to be maintained as such for an indefinite period. See attached rationale items b. through e.	Permanent

Responsible Official Signature:	Glenn W. Kraynie
Signature Official Title:	Vice President & Site Manager
Date signed:	12/8/16

Note: Must be signed and dated in BLUE INK

Covestro LLC Rationale for Confidential Claim (continued)

b. Information claimed confidential is not available to the general public. Within the company, Covestro has distributed technical information on a need-to-know basis and has used its business confidentiality policy to prevent inadvertent dissemination of information. This policy includes:

- Marking of business confidential documents,
- Limited distribution of documents.
- Shredding of confidentiality documents before disposal.

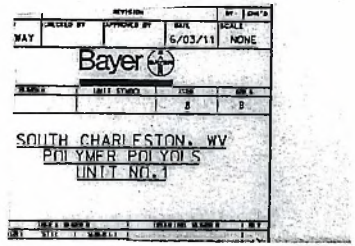
Employees are aware of the competitive nature of their business and are trained in guarding confidential information. Within the Covestro "Ethics Code of Business Conduct" policy is a procedure titled "Protect Confidential Information" and employees are held accountable for following the confidential information procedure.

c. Information revealing the process technology in this submittal is not reasonably obtainable by persons other than Covestro employees who need to know. To maintain the confidentiality of such information, Covestro employees involved with confidential information sign a confidentiality agreement. Transmittal of confidential information is done by certified mail or is delivered in person by a Covestro employee.

d. There is no statute that has been reviewed that requires disclosure of information claimed to be confidential.

e. Covestro claims business confidentiality protection for the information submitted since disclosure would allow competent engineers within a competitor's company to determine the manner or process by which Covestro produces this product and would provide competitors information without paying for technology or conducting research and development necessary to obtain the technology.

REDACTED COPY CLAIM OF CONFIDENTIALITY



(Alternate)

POLYMER POLYOLS UNIT NO. 2

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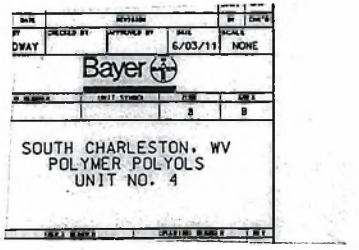
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POLYMER POLYOLS UNIT NO. 3

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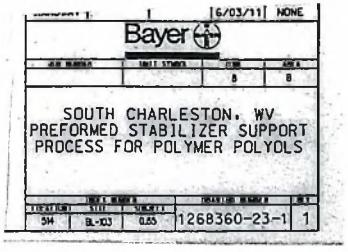
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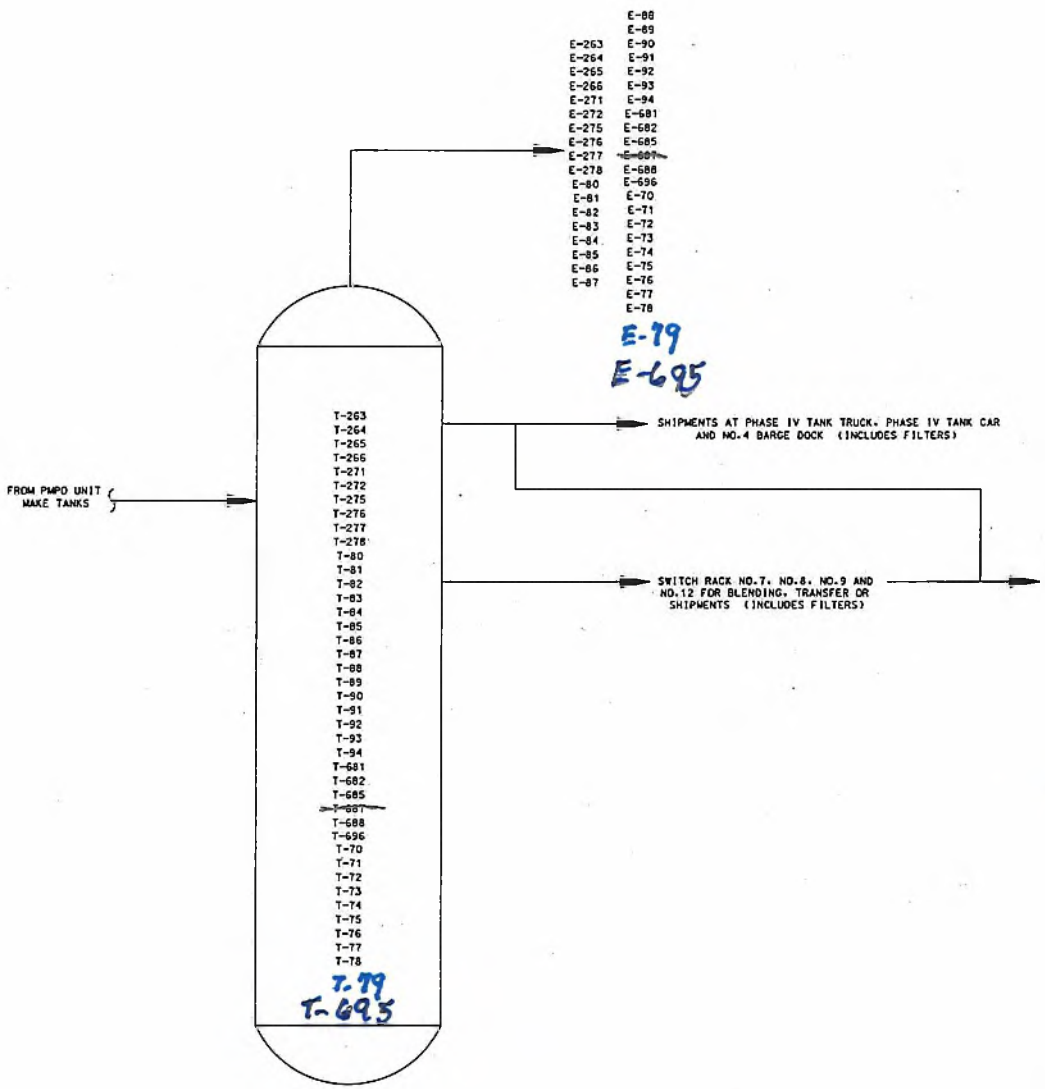
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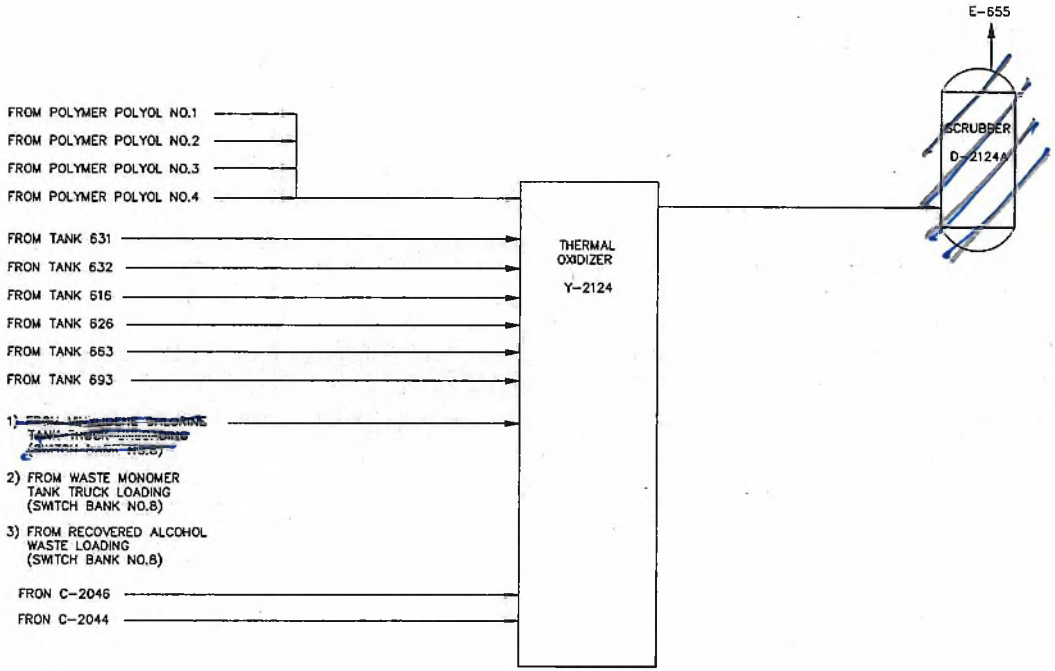
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HARDWAY			6/03/11	NONE

Bayer

JOB NUMBER	UNIT NUMBER	FILM	SHEET
		B	B

SOUTH CHARLESTON, WV
POLYMER POLYOLS
FIELD STORAGE TANKS

LOCATION	TYPE	SUBJECT	DRAWING NUMBER	REV
SH	BL-103	055	1286417-01A	0



NO.	DATE	REVISION	BY	CHK'D
1	6/11	UPDATED PER J. WHITE COMMENTS	CNH	JW

DRAWN BY	CHECKED BY	APPROVED BY	DATE	SCALE
HARDWAY			6/03/11	NONE

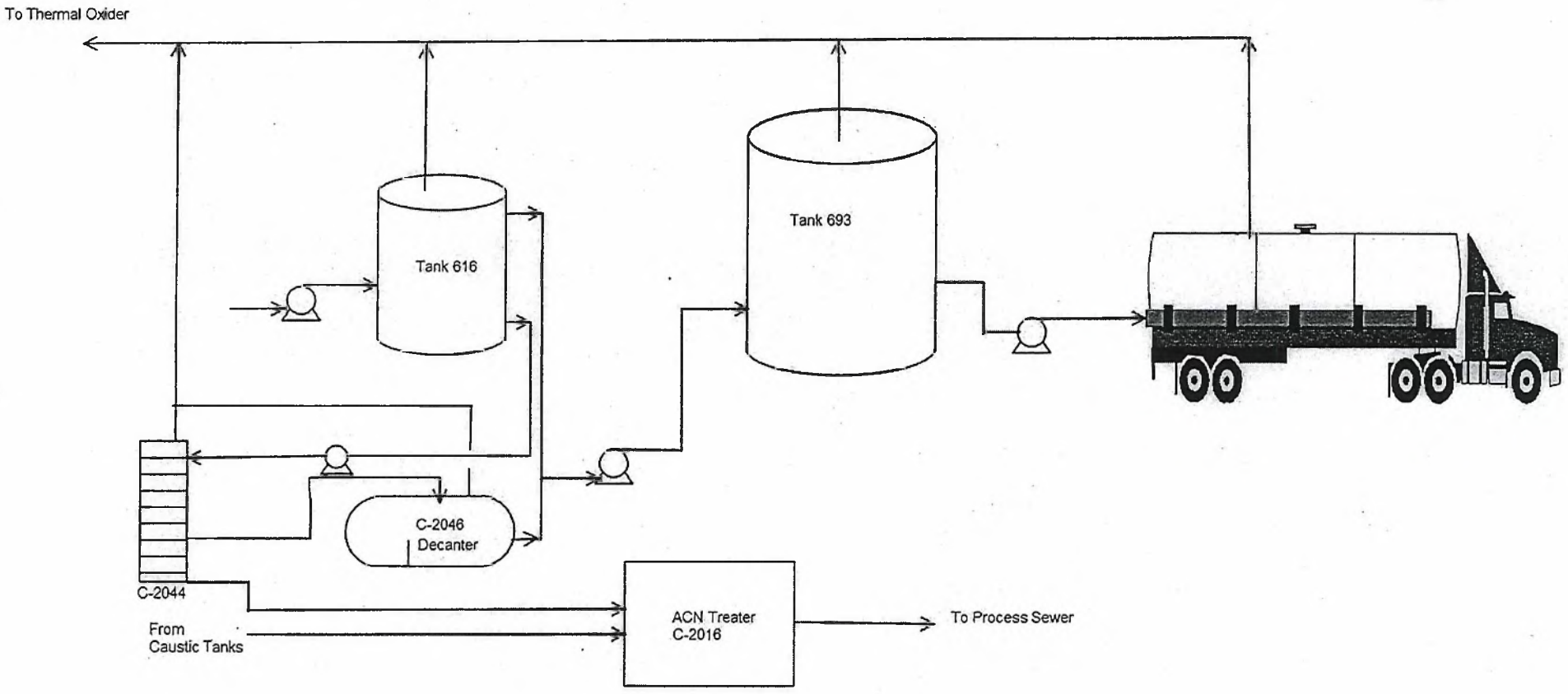
Bayer

SOUTH CHARLESTON, WV
THERMAL OXIDIZER
AND VENT SYSTEM

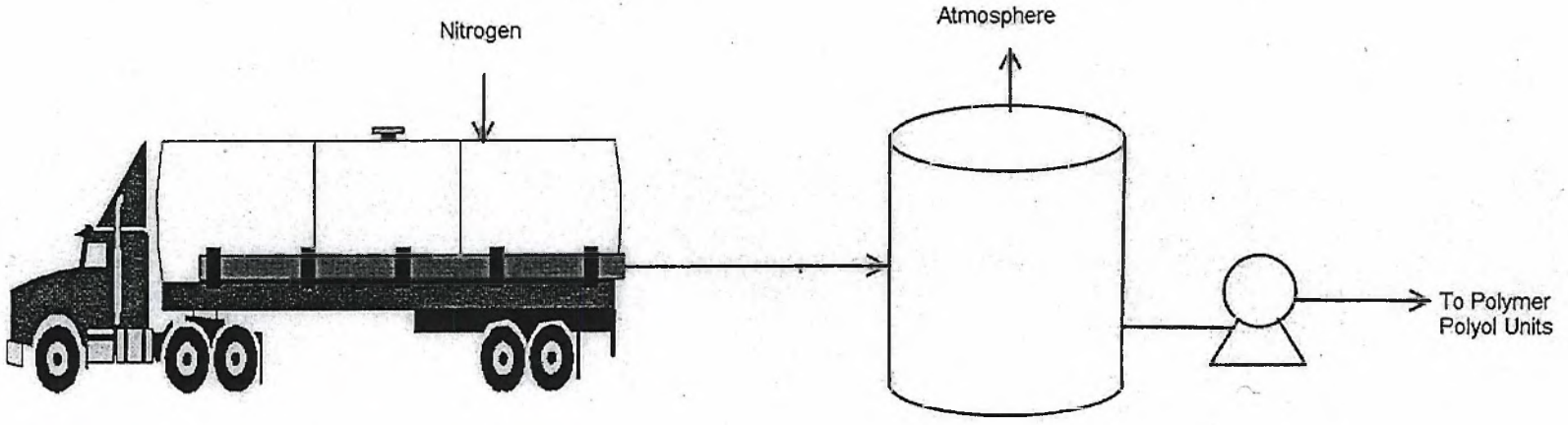
DRAWING NUMBER	REV
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Wastewater System

~~Waste Tanks (616,693)~~

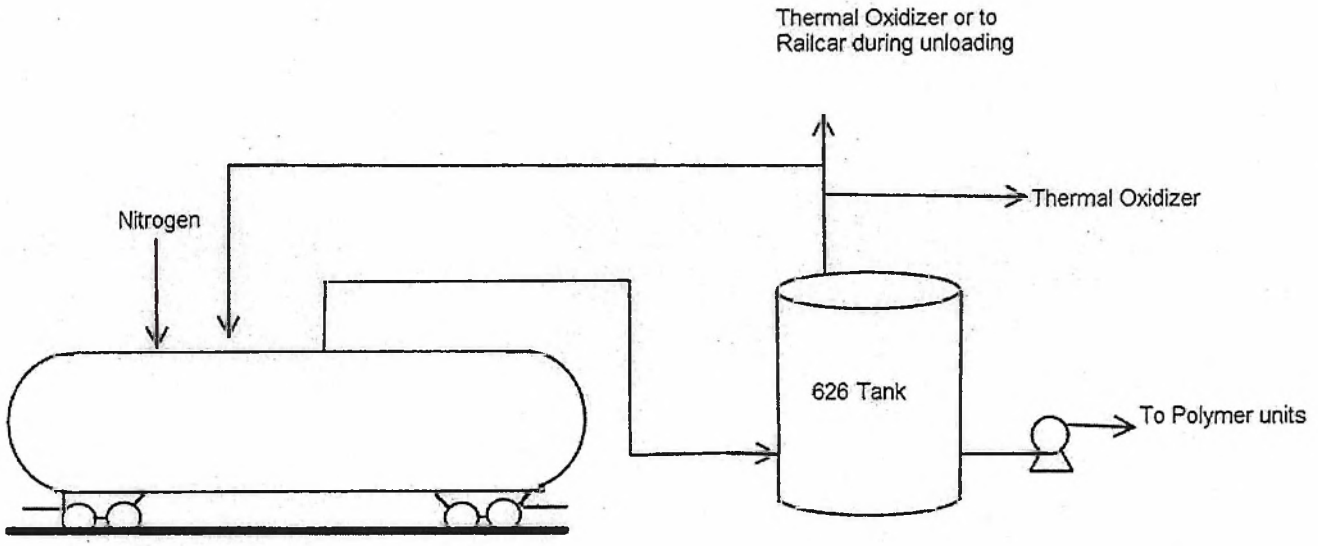


EPO Tank 1457



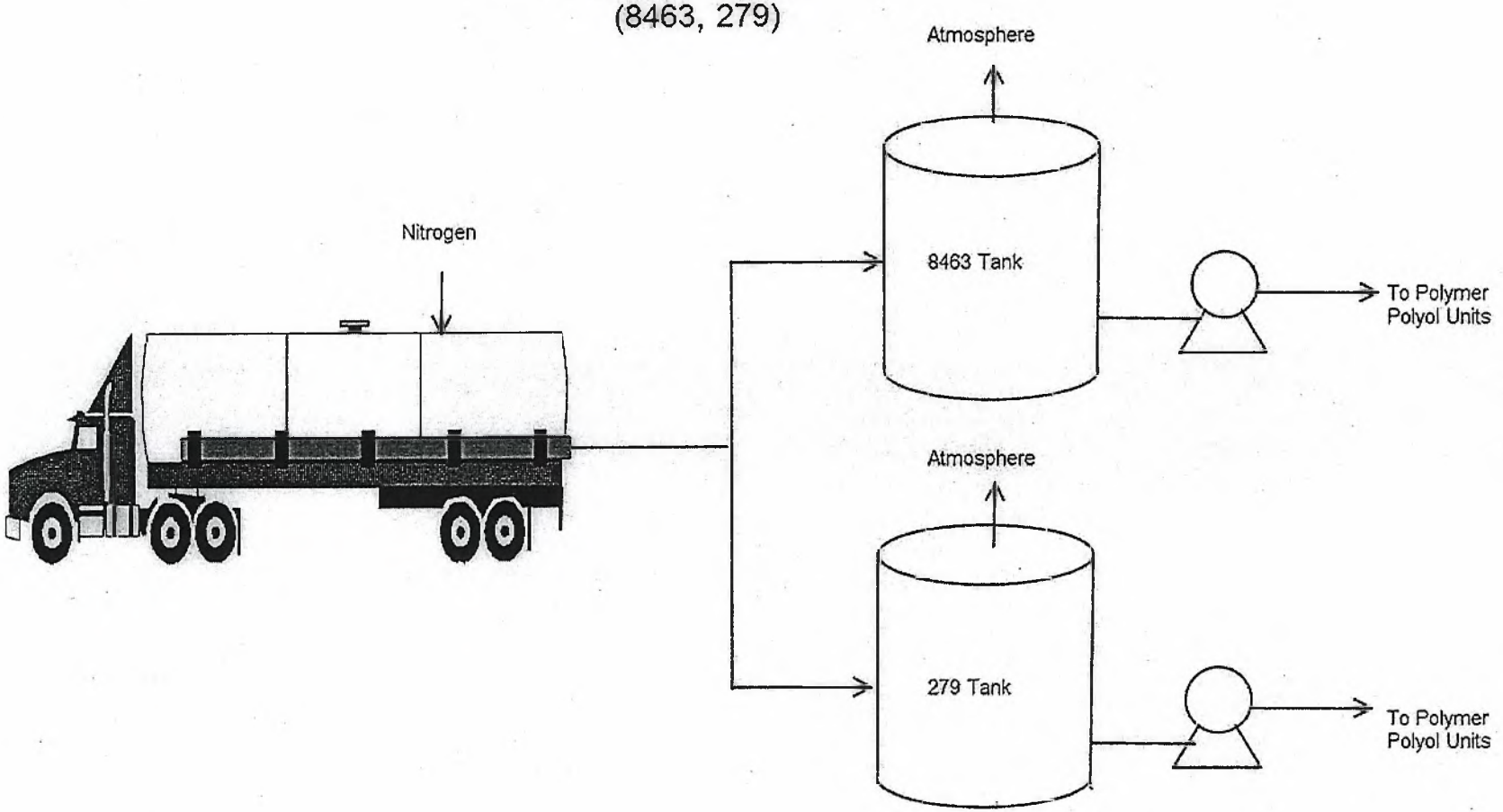
PMPO EPO

626 Tank

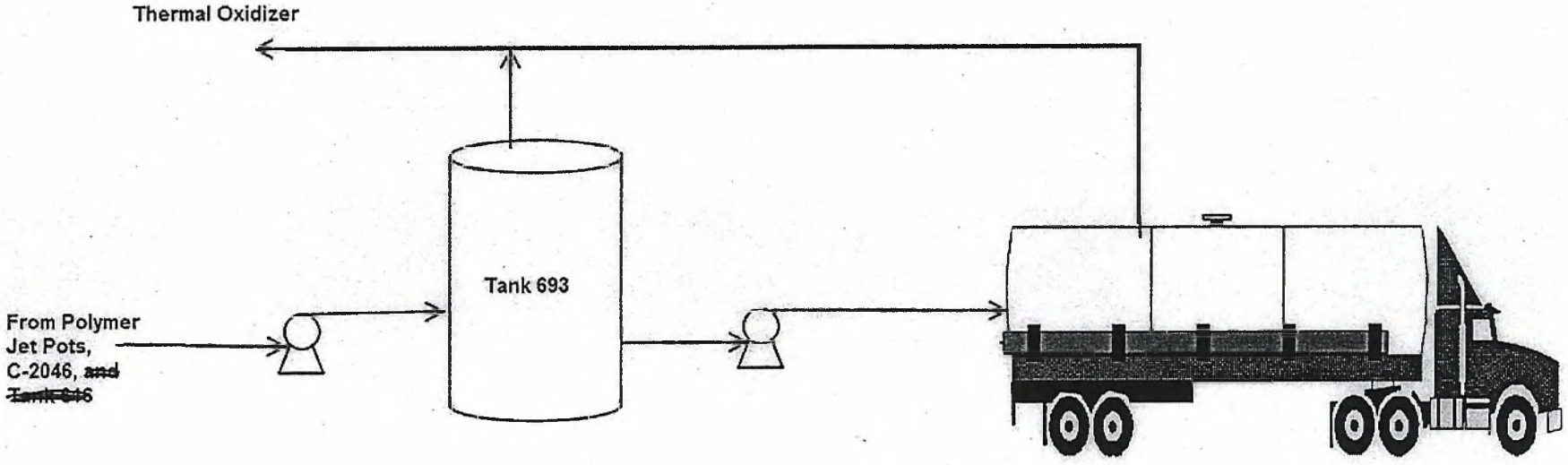


PMPO ACN

Inhibitor Tanks
(8463, 279)

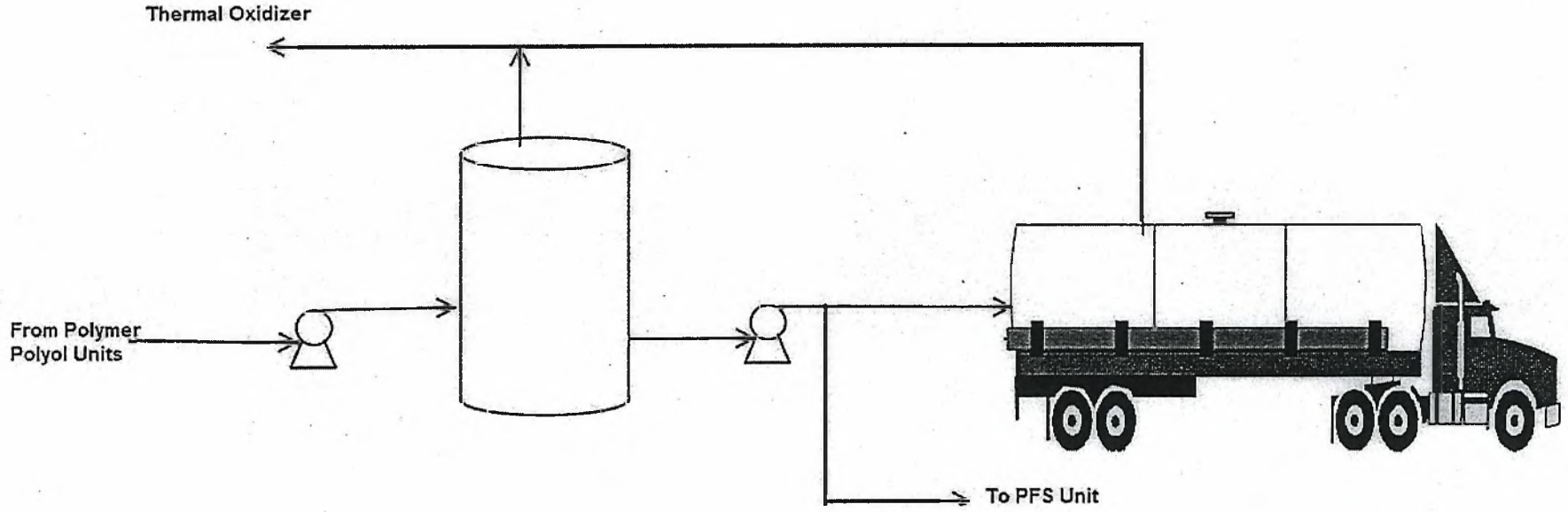


Tank 693



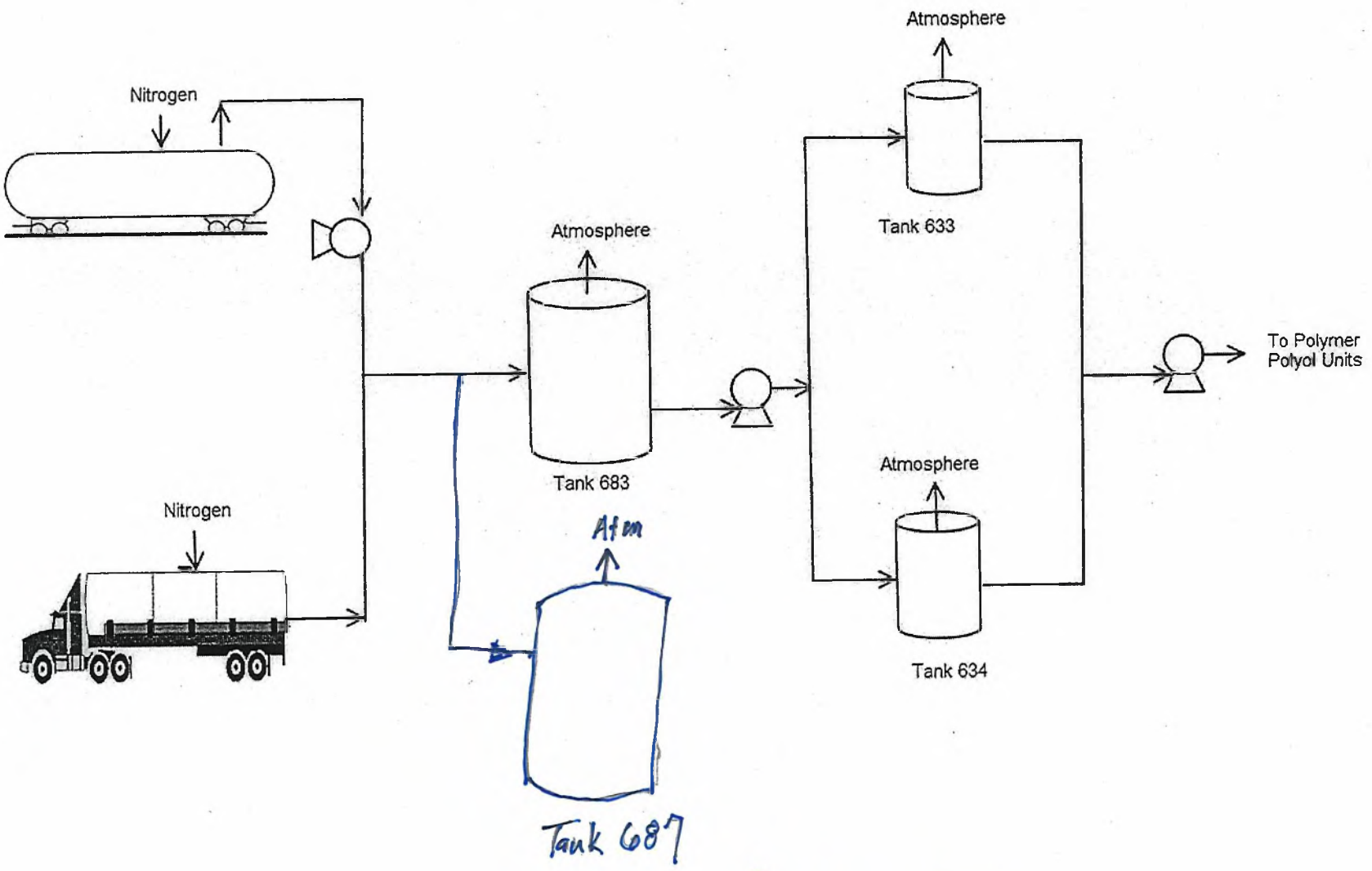
PMPO STG2

Tank 631

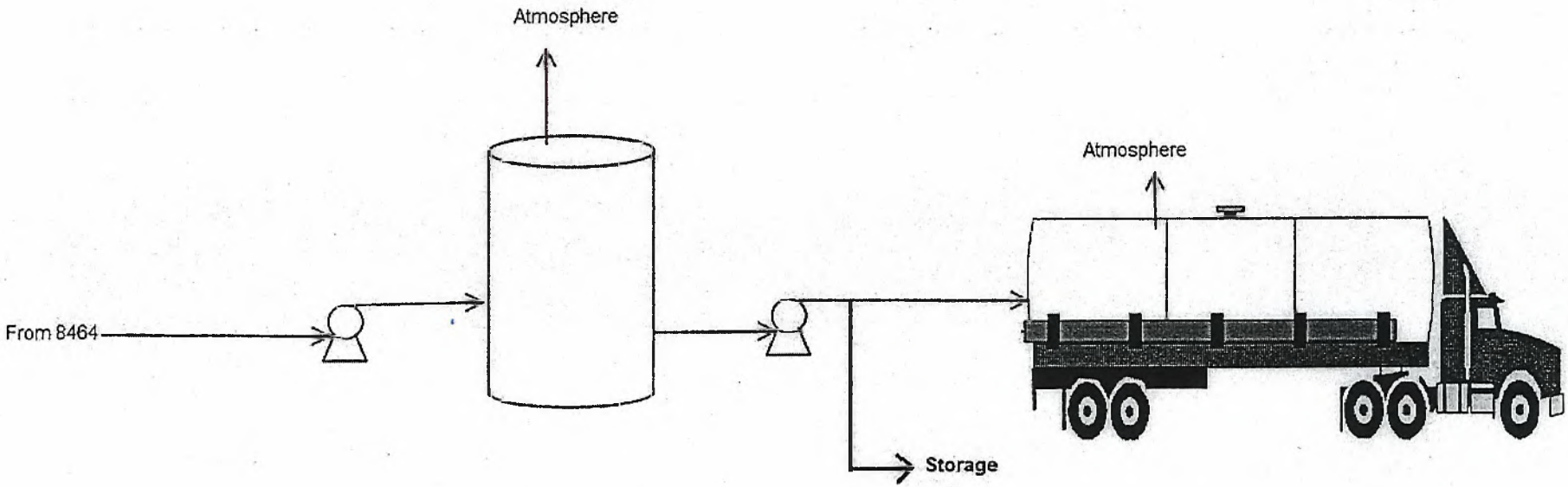


PMPO STG2

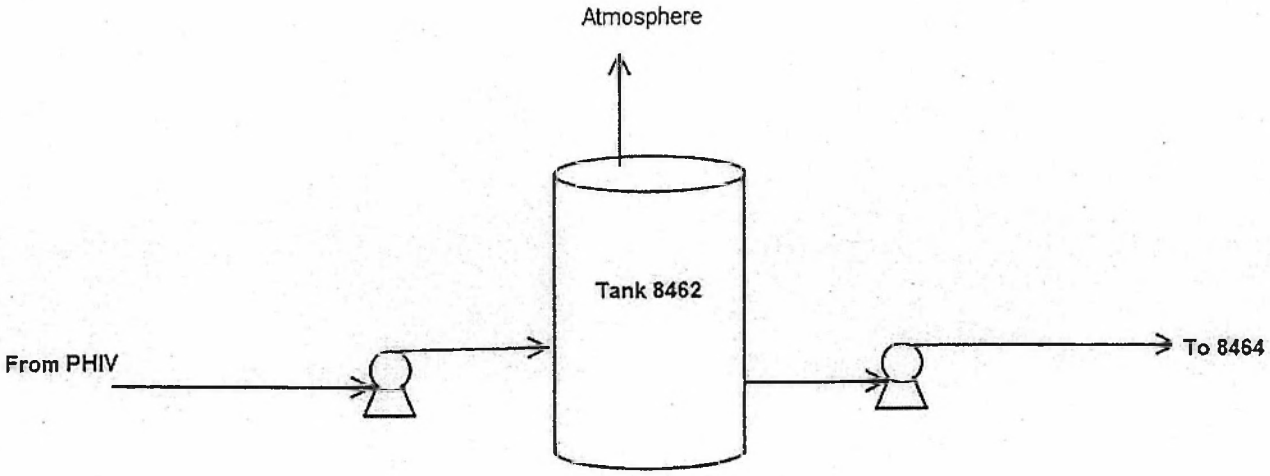
Styrene Tanks
(683,633/634)

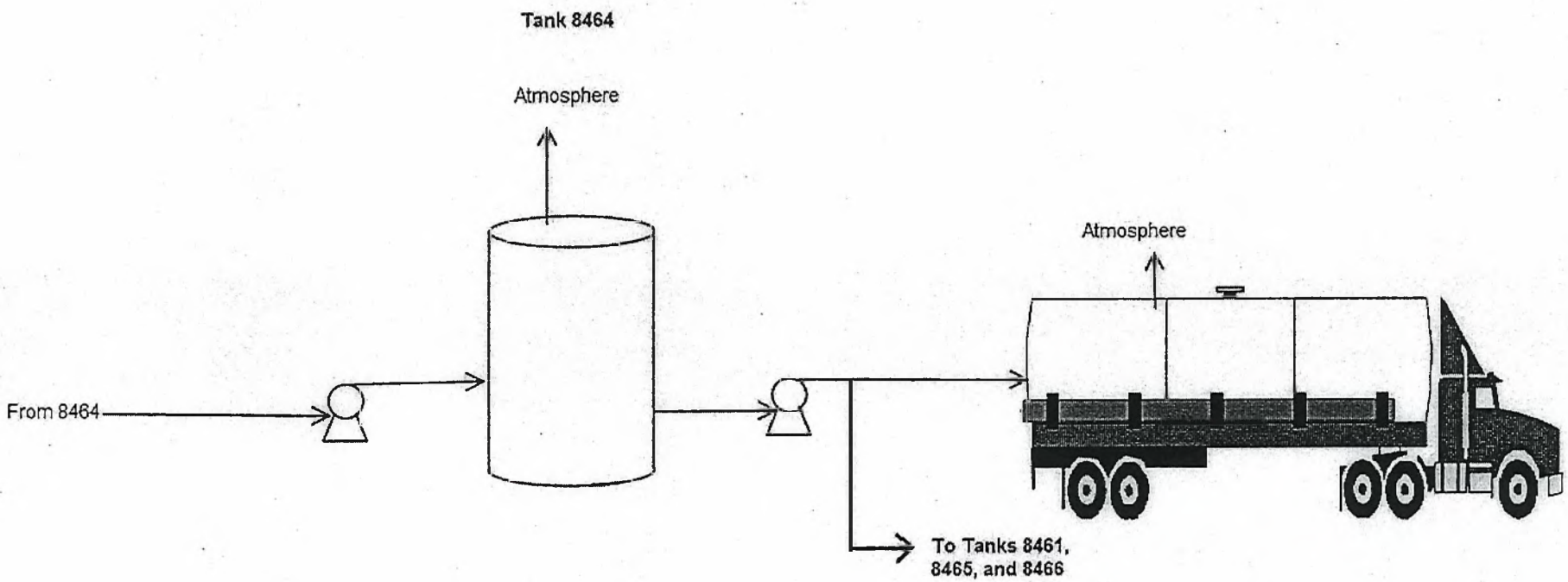


Tanks 8461,
8465, and
8466

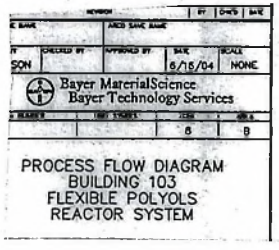


8462 Tank



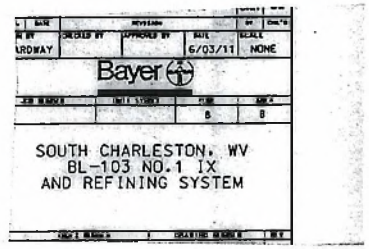

Tank 8464
Atmosphere
Atmosphere
From 8464
To Tanks 8461,
8465, and 8466

REDACTED COPY CLAIM OF CONFIDENTIALITY



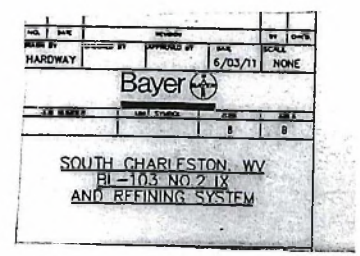
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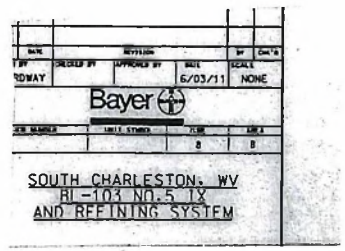
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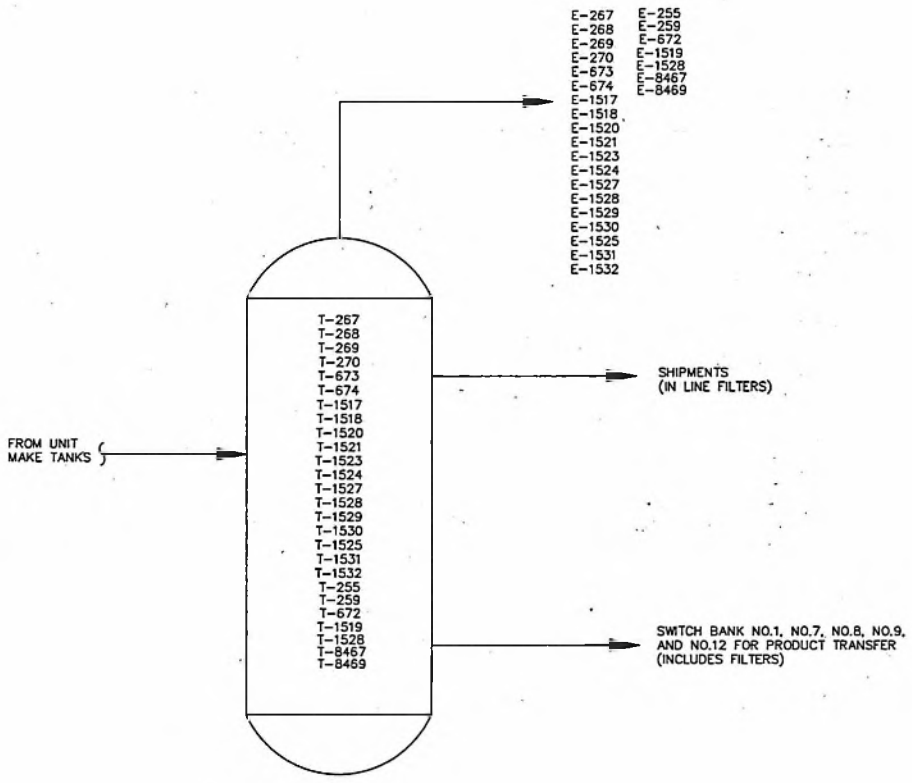


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NO.	DATE	REVISION	BY	CHK'D
1	6/11	UPDATED PER J. WHITE COMMENTS	CNH	JW

DRAWN BY	CHECKED BY	APPROVED BY	DATE	SCALE
HARDWAY			6/03/11	NONE

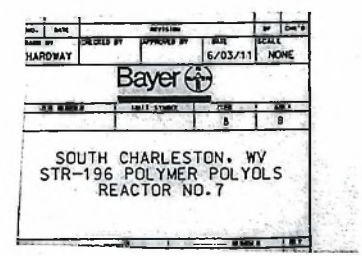
Bayer

JOB NUMBER	UNIT SYMBOL	ITEM	SHEET
		10	8

SOUTH CHARLESTON, WV
BL-103 FLEXIBLE POLYOLS
FIELD STORAGE TANKS

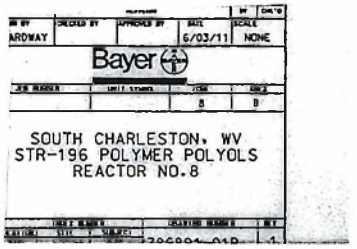
INDEX NUMBERS			DRAWING NUMBER	REV
LOCATION	SYST.	SUBJECT		
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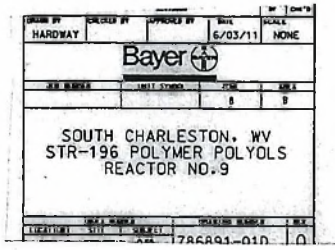
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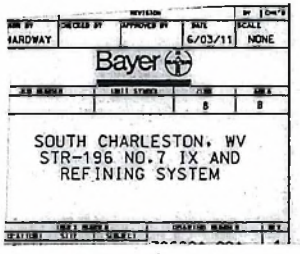
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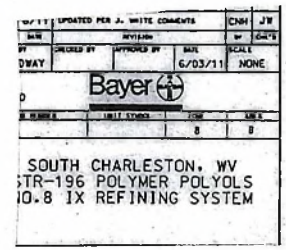
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REDACTED COPY CLAIM OF CONFIDENTIALITY



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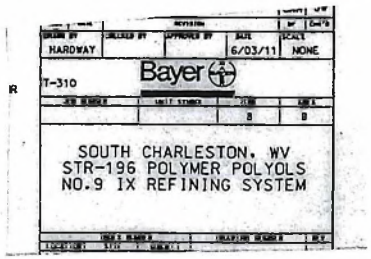
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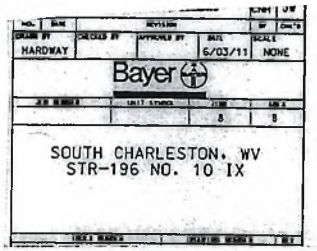
Page 54 of 771

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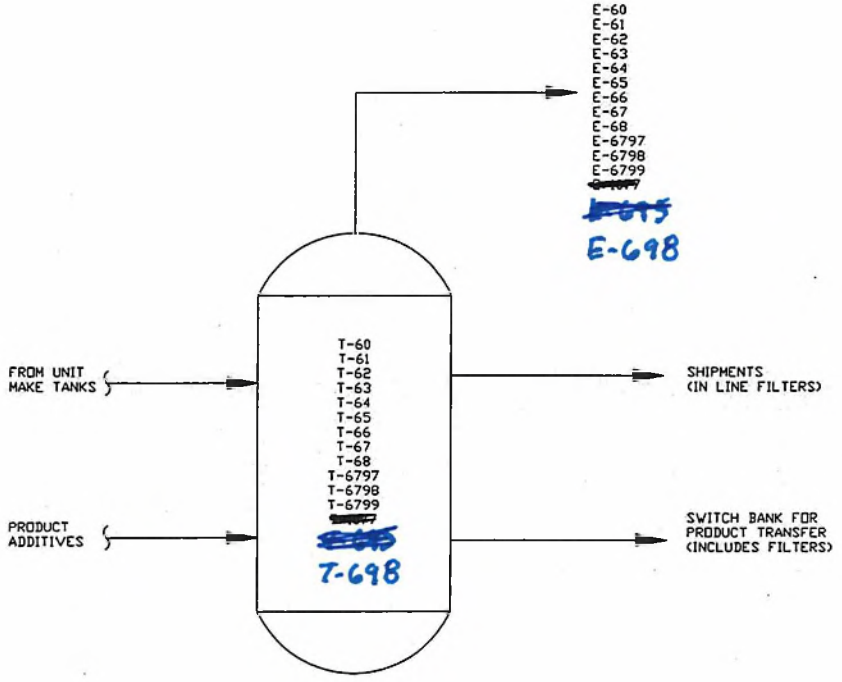
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Page 55 of 771

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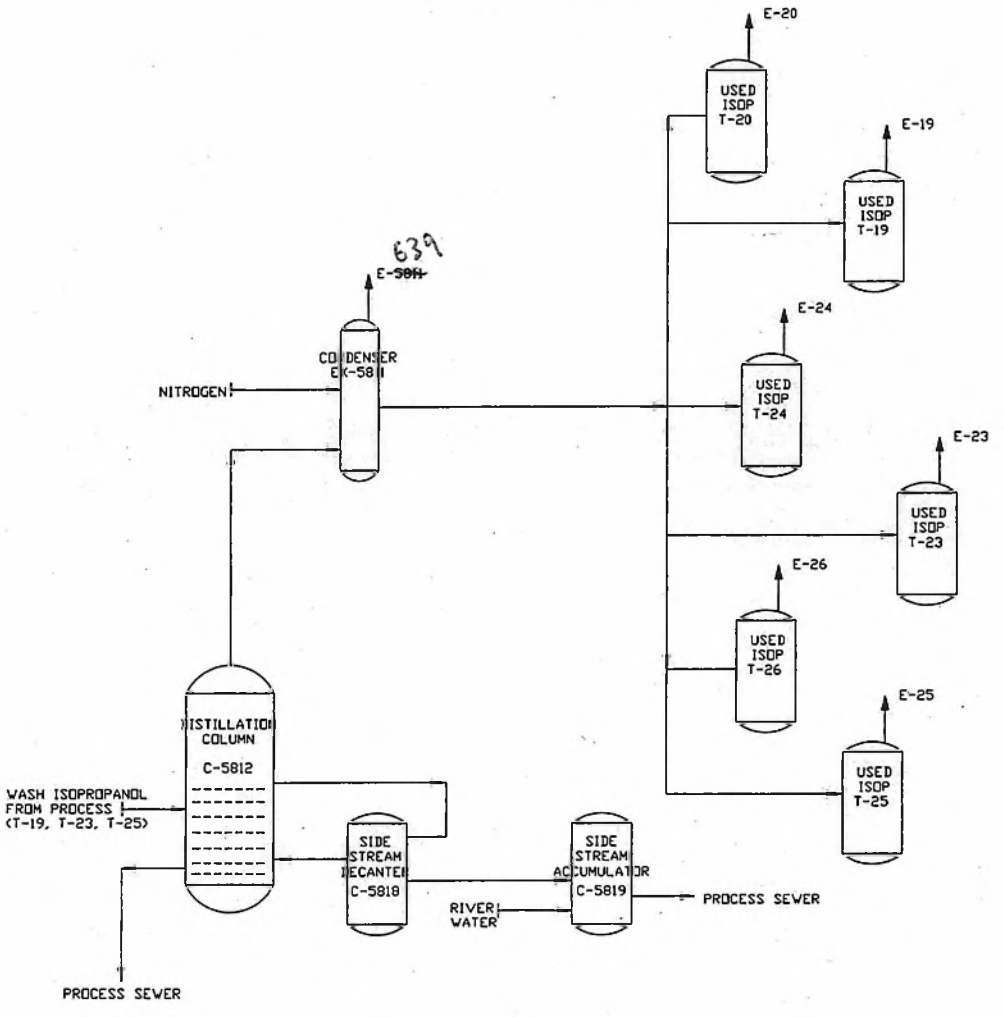


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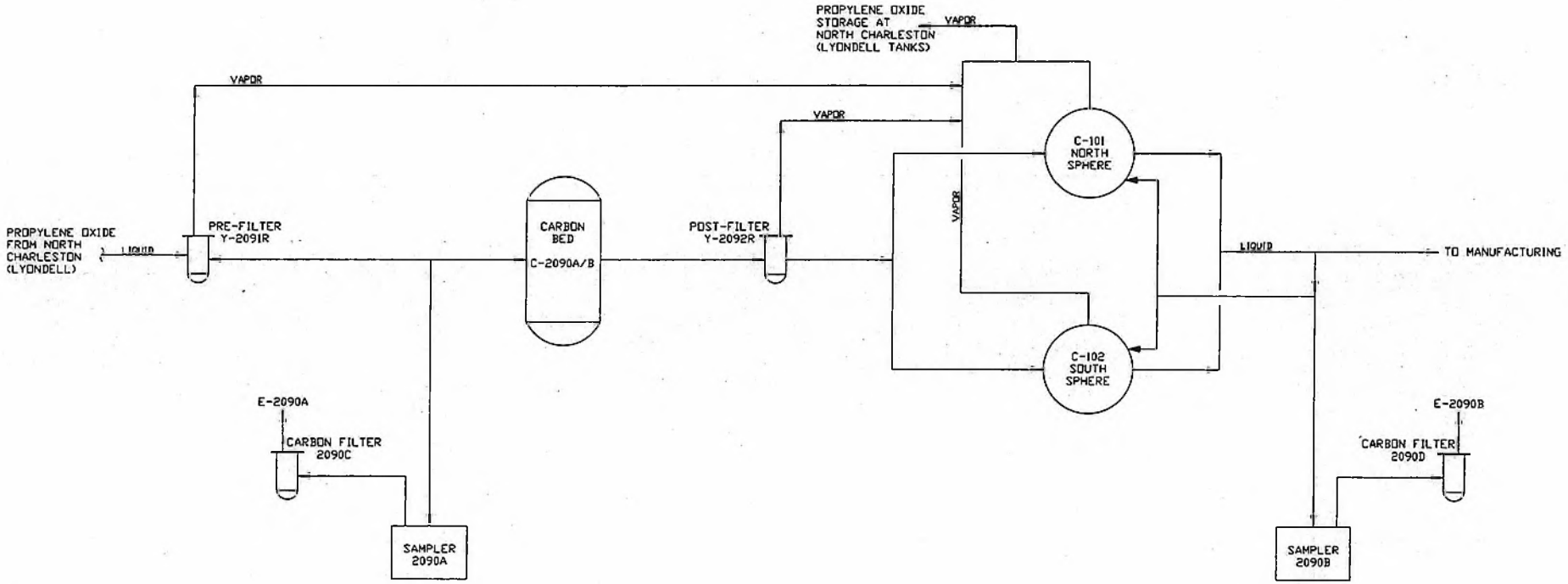
B196 FIELD STORAGE TANKS



B196 DISTILLATION COLUMN (ISOP STILL)



PO DISTRIBUTION



No.1 Polymer Polyols Unit Process Description

General

The No.1 Polymer Polyols Unit is a chemical manufacturing process for the production of polymer Polyols. Polymer Polyols are colloidal dispersions of small polymer particles in polyether polyols. The polymer particles are composed acrylonitrile and/or styrene copolymers for the No.1 unit. Our customers later use Polymer Polyols in the manufacture of polyurethanes. Many different Polymer Polyol products are manufactured depending upon the final customer application. The different products are made by modifying the Flex Polyol, use of Preformed Stabilizer or not and/or varying copolymer charge amounts.

The Polymer Polyols process is broken down into four areas: Feed System, Reaction System, Evaporation System and the Product Filtration/Storage System. This is a continuous manufacturing system.

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(Alternate)
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No.2 Polymer Polyols Unit Process Description

General

The No.2 Polymer Polyols Unit is a chemical manufacturing process for the production of polymer polyols. Polymer Polyols are colloidal dispersions of small polymer particles in polyether polyols. The polymer particles are composed of acrylonitrile and styrene copolymers for the No.2 unit. Our customers later use Polymer Polyols in the manufacture of polyurethanes. Many different Polymer Polyol products are manufactured depending upon the final customer application. The different products are made by modifying the Flex Polyol, Preformed Stabilizer and/or varying the copolymer charge amounts.

The Polymer Polyols process is broken down into four areas: Feed System, Reaction System, Evaporation System and the Product Filtration/Storage System. This is a continuous manufacturing system.

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(Alternate)
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REDACTED COPY CLAIM OF CONFIDENTIALITY

(Alternate)

No.3 Polymer Polyols Unit Process Description

General

The No.3 Polymer Polyols Unit is a chemical manufacturing process for the production of polymer polyols. Polymer Polyols are colloidal dispersions of small polymer particles in polyether polyols. The polymer particles are composed of acrylonitrile and styrene copolymers for the No.3 unit. Our customers later use Polymer Polyols in the manufacture of polyurethanes. Many different Polymer Polyol products are manufactured depending upon the final customer application. The different products are made by modifying the Flex Polyol, Preformed Stabilizer and/or varying the copolymer charge amounts.

The Polymer Polyols process is broken down into four areas: Feed System, Reaction System, Evaporation System and the Product Filtration/Storage System. This is a continuous manufacturing system.

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(Alternate)

REDACTED COPY CLAIM OF CONFIDENTIALITY

(Alternate)

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No.4 Polymer Polyols Unit Process Description

General

The No.4 Polymer Polyols Unit is a chemical manufacturing process for the production of polymer polyols. Polymer Polyols are colloidal dispersions of small polymer particles in polyether polyols. The polymer particles are composed of acrylonitrile and styrene copolymers for No.4 unit. Our customers later use Polymer Polyols in the manufacture of polyurethanes. Many different Polymer Polyol products are manufactured depending upon the final customer application. The different products are made by modifying the Flex Polyol, the Preformed Stabilizer and/or varying the copolymer charge amounts.

The Polymer Polyols process is broken down into four areas: Feed System, Reaction System, Evaporation (Flash) System and the Product Filtration/Storage System.

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(Alternate)

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Preformed Stabilizer Unit Process Description

General

Preformed Stabilizer (PFS) is manufactured as a raw material for the Polymer Polyol production units (#1, #2, #3 and #4). Currently two PFS products (ARCOL® Polyol E-836 and ARCOL® Polyol E-944) are manufactured, but minor recipe adjustments may result in different products in the future. All of the PFS is consumed in the Polymer Polyol manufacturing processes and none is shipped as a product.

(Alternate)

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POLYMER POLYOLS SUPPORT EQUIPMENT PROCESS DESCRIPTION

Tanks T-8463 and T-279 are used for INHIBITOR or equivalent inhibitor storage and fed to the make **tanks for all** of the **Polymer Polyol units. INHIBITOR is an inhibitor (antioxidant) that is used in the Polymer Polyol process to inhibit the product and minimize undesired side reactions. Nitrogen pressure is utilized on the closed-dome delivery vessel to unload the material into tank T-8463. From tank T -8463, material is transferred to tank T-279 for feed to the Polymer Polyol Units.**

Acrylonitrile System

Acrylonitrile is used as a raw material for all of the **Polymer Polyol process and Tank 626 is used for Acrylonitrile storage. Acrylonitrile is received in tank cars and nitrogen pressure is utilized on the closed-dome vessel to provide adequate net positive suction head to the unloading pump at the ACN tank car rack. While unloading, T -626 is vented back to the thermal oxidizer as required. But venting is normally not required due to the vapor balanced unload system. During non-unloading times, T626 can be vented to the thermal oxidizer, but the vent to the thermal oxidizer normally is kept in the closed position.**

(Alternate)

Styrene System

Tanks 683, 687, 633, and 634 are used for styrene storage and raw material tanks for all of the Polymer Polyol manufacturing units. Styrene can be delivered by either tank car or tank truck. Closed-dome unloading (Tank cars -styrene tank car rack and tank truck -Switchrack #8) with nitrogen pressure is utilized to unload the delivery vessel contents into T -683. In the case of the tank car unloading a pump is used in conjunction with nitrogen pressure. From T-683 and 687 styrene is transferred to tanks T633 and T-634 which are used as intermediate feed tanks for the Polymer Polyol Units.

Epoxidized Soybean Oil (EPO) System

EPO (Flexol Plasticizer EPO) may used as a raw material for the polymer polyol process and line flushing. EPO is received by tank: truck and unloaded to tank 1457 for storage. A small amount of EPO is also received and used in drums as required. Nitrogen pressure is utilized on the closed-dome vessel (tank truck) to unload the bulk material. EPO is then transferred from storage to in-process equipment in the Polymer Polyol Units as required.

Recovered Alcohol System

Recovered alcohol is a term used to describe raw materials that are recovered for the PMPO flash/evaporation systems. Recovered alcohol typically consists of about 75% isopropanol and the remainder monomer (acrylonitrile,styrene and water). The isopropanol comes from the preformed stabilizer (PFS) feed and the monomers are unreacted raw materials. For PMPO # 1, #2 and #3 the recovered alcohol stored in T -631 for use as a raw material in PFS manufacture. For PMPO #4 the recovered alcohol is stored in T-109 for use as a raw material in PFS manufacture.

Waste Monomer System

Waste monomer is a term used to describe the unreacted monomers/organic material that is recovered from the wastewater separation system. The waste monomer is generated in the jet seal tanks/decanters that are in each of the manufacturing units. The aqueous and organic layers phase separate in the jet seal pots and the aqueous layer is transferred to T-616 and the monomer/organic layer is transferred to T-693. Tertiary butyl catechol (TBC) may be added at times to T-693 to prevent polymerization of monomers in the organic layer. T-693 is vented to the thermal oxidizer.
The organic material that is accumulated is shipped off site for energy or incineration.

Wastewater Treatment System

Tank 616 receives and stores process wastewater from each of the Polymer Polyol process units. Tank 616 is also used as a decanter to allow organic to phase separate out. The organic is the top layer and the water is the bottom layer. Any organic that separates out is later transferred to the wastewater stripper decanter. The water layer from T-616 goes to a steam stripper (C-2044) and then to the acrylonitrile

treater (C-2016) before being discharged to the process sewer. The stripper removes about 99% of the styrene and about 80% of the acrylonitrile. By utilizing the acrylonitrile treater 99% + removal is achieved for acrylonitrile and styrene and.

The ACN Treater is in essence a plug flow reactor consisting of eight 30-foot sections of 12 inch pipe constructed of Alloy 2205, which is required due the extreme process conditions. The process wastewater being fed to the treater is heated to 140 degree C and 20 weight % caustic added to achieve 99+ % reduction of ACN.

Thermal Oxidizer

The thermal oxidizer (Y-2124) burns the uncondensed volatiles (acrylonitrile, isopropanol, and styrene predominately) from the vacuum jet vents of each of the four PMPO processes. The thermal oxidizer also receives emissions from the acrylonitrile storage tank (T-626), recovered alcohol storage tank (T -631), waste monomer storage tank (T-693), wastewater storage tank (T ·616), PFS storage tanks (T-632 T-663, T-684 and T-686), wastewater stripper and T-616 (wastewater hold tank). At capacity flow rates the thermal oxidizer is designed for greater than 99.9% destruction efficiency. The emission discharge point for the thermal oxidizer is E-655.

If the thermal oxidizer shuts down the raw material feeds to the manufacturing units are automatically shut off and the vacuum jets vented to atmosphere for safety reasons.

Stabilizer Manufacture (Support Process for PMPO)

REDACTED COPY CLAIM OF CONFIDENTIALITY

PMPO Blending

Tank T -8462 receives blended material (Concentrate A) from Tank 8462 for use in later blending. The material from Tank 8462 is pumped to tank trucks for transfer to D-76 for Ultracel®2000 blending.

(Alternate)

Tanks T-8465 is used for storage of Concentrate "C" or other equivalent flex polyol for Polymer Polyol blending. The material is unloaded into the tank by use of nitrogen pressure. The blended material can be pumped to other Polymer Polyol storage tanks such as T -77 through piping or by loading a tank truck.

Switchrack #8

Switchracks are used primarily used to transfer and load tank truck of Polymer Polyols as well as Flex Polyols.

Switchrack #8 is also used for the loading of waste monomer for Tank T -693 (less than 90 day hazardous waste tank), waste recovered alcohol from Tank T-631 and Tanks T-109 and materials that cannot be used for manufacture such as "bad" PFS. Switchrack #8 may be used for the unloading of tank trucks of styrene, unloading of sodium hydroxide and loading Polyol trucks.

POLYMER POLYOLS MISCELLANEOUS SUPPORT EQUIPMENT

General

Polymer Polyols (PMPO) that are manufactured in the 4 process units (#1, #2, #3 and #4) are transferred from the unit make tanks to any of the dedicated PMPO field storage tanks. These field storage tanks are mainly used for customer shipments, but may hold off-spec material that is either blended later to meet customer specification or sent back to the process unit for reworking. Polymer Polyols are heavy liquids and have a very low vapor pressure, but may contain a few parts per million of unreacted raw materials (acrylonitrile, styrene and isopropanol). The unreacted monomers are essentially trapped in the high molecular weight Polymer Polyol and do not vent to the air over time. Polymer Polyols are also very viscous and for the material to be pumped it needs to be heated. The Polymer Polyols are typically kept at a temperature of 100 -120 degree F.

Storage Tanks

The PMPO field storage tanks are shown on the process flow diagram and listed below in the Polymer Polyols equipment section below.

Support Equipment

The Polymer Polyols are typically transferred from the field storage tanks to shipment vessels (truck, tank cars and barges) through switchracks. The switchrack allows the transfer of the Polymer Polyols to a wide variety of places in the facility. The Polymer Polyols are filtered prior to shipment and this is either done with filters at the switchracks or at the field storage tank. The filter bags are changed when they become plugged with solids. The changing of the filters result in low VOC emissions and the filters bags are disposed of as chemically contaminated material.

For product loading into trucks, Switchracks #7, #8, #9 and # 12 are used. These switchracks are also used to blend material from one tank to another.

The Polymer Polyol is loaded into barges at #4 Barge Dock. Polymer Polyol tankcars are loaded at the Phase IV (B196) tankcar loading spots and trucks are also loaded at an adjacent tank truck loading spot.

Due to the Polymer Polyols having an adverse effect on the wastewater treatment facility the material that is collected in the secondary containment is collected in tank trucks and sent offsite for disposal. Tank trucks are kept at the 70 and 80 series dikes to collect this aqueous waste material. The material collected is approximately 99+ % water.

B103 UNIT PROCESS DESCRIPTION

General

The B 103 flexible (Flex) polyol unit is a chemical manufacturing process for the production of polyether polyols. Polyether polyols are compounds that are formed through the polymerization of ethylene oxide (EO) or propylene oxide (PO) with compounds that have a least one reactive hydrogen. Polyether polyols in the B103 area are either used as raw materials for the polymer polyol manufacturing units at South Charleston or sold for use in urethane applications such as carpeting, seating and bedding. BI03 products can be used in coatings, adhesives, sealants and elastomer applications. Many different Flex products are manufactured depending upon the customer requirements and final application. The many different products at B 103 are made by changing the reactive hydrogen compound, varying the amounts of PO or EO, and changing or adjusting the catalyst.

The major raw materials (propylene and ethylene oxide) are received from common facility systems. Most of the other raw materials storage and ancillary equipment are dedicated to the unit. The reactors are operated in a semi-batch mode and the IX refining steps for reactors #1 and #2 are operated in a continuous mode. Reactor #3 is operated in a semi-batch mode, but does not have an IX and Refining (Evaporation) system due to a different process technology being employed.

The B103 Flex Polyol process is broken down into four areas: Feed system, Reaction system, Intermediate storage, and Ion Exchange (IX) & Refining (Evaporation) system.

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196 FLEXIBLE POLYOLS UNIT PROCESS DESCRIPTION

The B196 Flexible (Flex) polyol unit is a chemical manufacturing process for the production of polyether polyols. Polyether polyols are compounds that are formed through the polymerization of Ethylene Oxide (EO) or propylene oxide (PO) with compounds that have at least one reactive hydrogen. Polyether polyols in the B196 area are either used as raw materials for the polymer polyol manufacturing units at South Charleston or sold for the use in urethane applications such as carpeting, seating, and bedding. Many different Flex products are manufactured depending upon the customer requirements and final application. The different products are made by changing the reactive hydrogen compound, varying the amounts of PO or EO, and/or adjusting the catalyst.

The B196 Flex polyol process is broken down into four areas: Feed system, Reaction system, Intermediate storage, and Ion Exchange (IX) & Refining System

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PROPYLENE OXIDE DISTRIBUTION (POD) SYSTEM

The primary raw material for the Flex polyols unit is propylene oxide (PO). PO is initially received by barge at the Lyondell North Charleston facility and unloaded to the North Charleston Lyondell storage vessels. Lyondell owns the PO equipment at North Charleston, but Bayer owns approximately 85% of the delivered PO. The PO that is owned by Lyondell goes through the Bayer distribution system to other South Charleston site users. As required for manufacturing use, PO is transferred from the Lyondell North Charleston PO storage tanks to the Bayer storage vessels (C-l 01 and C-I02).

Due to their being an impurity in the PO that adversely effects Polyol quality, the PO received from Lyondell is filtered through an inline carbon bed (C-2090 or C-2090B). There are two carbon beds available for use, but only one is placed in service at a time. The inlet (2090A) and outlet (2090B) streams of the carbon bed are periodically sampled and the vapor from the sampling goes through individual carbon filters to reduce PO emissions to the air. There are inlet (Y-2091R) and outlet (Y-2092R) filters around the carbon bed to minimize rust from getting in the carbon bed and losing carbon to the manufacturing reactors. These filters are periodically changed and all of the PO is blown out of the filters to storage vessels C-l0l and C-102. There are no emissions of PO from the filter change out.

When the carbon bed becomes spent, excess PO is blown back to the storage vessels with nitrogen and the bed disconnected and the contents disposed of offsite. The spare carbon bed is then put in service while the spent bed is being emptied and re-filled for future use.

Vessels C-101 and C-102 are on a vapor balanced system with the Lyondell vessels at North Charleston and there are no emissions of PO to the atmosphere.

Attachment D

1.0 Emission Units and Active R13, R14, and R19 Permits

1.1. Emission Units

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed/ Modified	Design Capacity	Control Device
POLYMER POLYOLS EMISSION GROUPS (PMPO)					
PMPO #1					
T-1459	E-1459	Catalyst/Flex Storage	1965	15,900 gal	atm vent
T-1460	E-1460	Catalyst/Flex Storage	1965	15,900 gal	atm vent
Ex-2134	NA	Condenser	N/A	N/A	Vents to H-2143 Vacuum Jet
H-2143	E-655	Vacuum Jets	1984	N/A	Vents to T.O. Y-2124 or 651 emergency bypass
T-2148	E-655	Jet Pot Decanter	N/A	N/A	vents to T.O. Y-2124
T-2148	E-651	Jet Pot Decanter	N/A	N/A	emergency vent
PMPO#1	E-651	PMPO #1 Jets	N/A	N/A	H-2143
T-1454	E-1454	Intermediate or make tank	1965	15,700 gal	atm vent
T-1455	E-1455	Intermediate or make tank	1967	15,700 gal	atm vent
T-1456	E-1456	Intermediate or make tank	1967	15,700 gal	atm vent
T-2165	E-2165	Additive tank for BHP or PDDP	N/A	1,200 gal	atm vent
T-2265	E-2166	Additive tank	N/A	1,200 gal	atm vent
T-2305	E-2305	Cat mix Tank	2003	530 gal	atm vent
PMPO #2					
Ex-2224	NA	Condenser	N/A		Vents to H-2253 Vacuum Jet
H-2253	E-655	Vacuum Jets	N/A		Vents to T.O. Y-2124 or E-653 emergency bypass
T-2248	E-655	Jet Pot Decanter	1994	N/A	vents to T.O. Y-2124
T-2248	E-653	Jet Pot Decanter	N/A	N/A	emergency vent
PMPO #2	E-653	PMPO #2 Jets	N/A	N/A	Ex-2224 H-2253
T-1453	E-1453	Intermediate or make tank	1965	15,000 gal	atm vent
T-1463	E-1463	Intermediate or make tank	1974	14,000 gal	atm vent
T-1464	E-1464	Intermediate or make tank	1974	15,000 gal	atm vent
PMPO #3					
Ex-2324	NA	Condenser	N/A		Vents to H-2343 Vacuum Jet
H-2343	E-655	Vacuum Jets	N/A		Vents to T.O. Y-2124 or E-652 emergency bypass

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed/ Modified	Design Capacity	Control Device
T-2348	E-655	Jet Pot Decanter	1992	1,500 gal	vents to T.O. Y-2124
T-2348	E-652/ E-654	Jet Pot Decanter	1992	1,500 gal	emergency vent
PMPO #3	E-652/ E-654	PMPO #3 Jets	N/A	N/A	Ex-2324 H-2343 H-2353
H-2353	E-655	2nd Stage Vacuum Jets	N/A		vents to T.O. Y-2124 or E-654 emergency bypass
T-8480	E-8480	Intermediate or make tank	1963	30,000 gal	atm vent
T-8481	E-8481	Intermediate or make tank	1963	30,000 gal	atm vent
T-8482	E-8482	Intermediate or make tank	1991	30,000 gal	atm vent
T-8483	E-8483	Intermediate or make tank	1991	30,000 gal	atm vent
~~T-1451~~	~~E-1451~~	~~Preformed Stabilizer Tank~~	~~1964~~	~~14,950 gal~~	~~atm vent~~
		PMPO #4			
Ex-2424	NA	Condenser	N/A		Vents to H-2443 Vacuum Jet
H-2443	E-655	Vacuum Jets	N/A		Vent to T.O. E-655 Y-2124
T-103	E-103	Storage	1990	17,000 gal	atm vent
T-104	E-104	Storage	1990	17,000 gal	atm vent
T-2448	E-655	Jet Pot Decanter	1990	N/A	vents to T.O. Y-2124
T-2448	E-658	Jet Pot Decanter	N/A	N/A	emergency vent
PMPO #4	E-658	PMPO #4 Jets	N/A	N/A	Ex-2424 H-2443
T-105	E-105	Intermediate or make tank	1962	27,000 gal	atm vent
T-106	E-106	Intermediate or make tank	1962	27,000 gal	atm vent
T-107	E-107	Intermediate or make tank	1962	27,000 gal	atm vent
T-108	E-108	Intermediate or make tank	1962	27,000 gal	atm vent
T-8484	E-8484	Intermediate or make tank	1962	30,000 gal	atm vent
T-8485	E-8485	Intermediate or make tank	1962	30,000 gal	atm vent
T-2465	E-2465	Cooling Brine	1990	N/A	atm vent
T-2496	E-2496	Hot oil system for evaporator	1990	400 gal	atm vent
T-109	E-655	Recycled alcohol (feed tank for PFS)	1954	21,000 gal	Vents to T.O. Y-2124
		Preformed Stabilizers (PFS)			
C-2505	E-2505	#1Catalyst charge Preblend Pot	1994	N/A	Atm vent
T-1451	E-1451	#2 ISOP/ Polyol storage tank (bottom)	2002	15,000	Atm Vent

In PFS section

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed/ Modified	Design Capacity	Control Device
T-1452	E-1452	#2 ISOP/Polyol Storage Tank	1964	14,760 gal	Atm vent
T-1458	E-1458	#2 ISOP/Polyol Storage Tank	1960	28,000 gal	Atm vent
T-1461	E-1461	#2 ISOP/Polyol Storage Tank	1966	14,000 gal	Atm vent
T-2501	E-2501	#1 ISOP/Catalyst Preblend Tank	1994	1,530 gal	Atm vent
T-2502	E-2502	#1ISOP/Catalyst Preblend Tank	1994	1,530 gal	Atm vent
		PFS Storage			
T-632	E-655	PFS Storage	1987	50,000 gal	Vents to T.O. Y-2124
T-663	E-655	PFS Storage	1984	15,500 gal	Vents to T.O. Y-2124
T-684	E-655	PFS Storage	1997	39,620 gal	Vents to T.O. Y-2124
T-686	E-655	PFS Storage	1966	42,000 gal	Vents to T.O. Y-2124
		PMPO Feed System			
T-2405	E-2405	Cat mix & feed tank (feeds liquid catalyst to PMPO #2, #3, & #4)	2015	1,100 gal	Atm vent
T-279	E-279	Inhibitor Storage	1943	3,800 gal	Atm Vent
T-8463	E-8463	Inhibitor Storage	1951	18,500 gal	atm vent
T-8465	E-8465	Polyol Raw material staging for blends	1951	18,500 gal	atm vent
T-626	E-655	Acrylonitrile Feeds all PMPO systems & PFS.	1986	47,200 gal	vents to T.O. Y-2124
T-633	E-633	Styrene Feeds all PMPO systems	1937	11,700 gal	atm vent
T-634	E-634	Styrene Feeds all PMPO systems	1937	11,700 gal	atm vent
T-683	E-683	Styrene Feeds all PMPO systems	2004	48,000 gal	atm vent
T-687	E-687	Styrene	2007	48,000 gal	atm vent - Feeds all PMPO systems
T-631	E-655	Recovered alcohol (feed tank for PFS) Receives from PMPO #1, 2&3 and feeds PFS.	1966	32,000 gal	vents to T.O. Y-2124
T-1457	E-1457	EPO	1965	12,200 gal	atm vent
		PMPO Support Equipment			
C-2044	E-655	"MON" NESHAP Waste Water HAP Stripper w/ E-2045 Condenser and E-2057 feed preheater	2006	N/A	Y-2124 Incinerator
C-2016		C-2016 ACN Treater	1991		APCD

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed/ Modified	Design Capacity	Control Device
Y-2124	E-655	Thermal Oxidizer (TO)	1984	512 ft^3/min	APCD
T-616	E-655	Storage/decanting of wastewater	2010	32,000 gal	Vents to T.O. Y-2124
T-1462	E-1462	Storage (stabilizer)	1965	15,000 gal	atm vent
T-1467	E-1467	Storage (Polyol)	1974	30,000 gal	atm vent
T-1468	E-1468	Storage (Polyol)	1974	30,000 gal	atm vent
T-693	E-655	Waste monomer tank	2001	16,200 gal	vent to T.O. Y-2124
T-8464	E-8464	Rx vessel/blending	1951	18,500 gal	atm vent
T-8461	E-8461	Storage	1951	37,000 gal	atm vent
T-8466	E-8466	Storage	1951	18,500 gal	atm vent
T-8462	E-8462	Storage	1951	37,000 gal	atm vent
T-112	E-112	Storage	2007	28,000 gal	atm vent
Storage and Ancillary System					
T-70	E-70	Final Product Storage	1979	204,000 gal	atm vent
T-71	E-71	Final Product Storage	1979	204,000 gal	atm vent
T-72	E-72	Final Product Storage	1979	204,000 gal	atm vent
T-73	E-73	Final Product Storage	1979	204,000 gal	atm vent
T-74	E-74	Final Product Storage	1980	205,000 gal	atm vent
T-75	E-75	Final Product Storage	1979	205,000 gal	atm vent
T-76	E-76	Polyol blending	1990	8,400 gal	atm vent
T-77	E-77	Polyol blending	1990	7,100 gal	atm vent
T-78	E-78	Polyol blending	1990	3,800 gal	atm vent
T-79	E-79	Polyol blending	1990	10,500 gal	atm vent
T-80	E-80	Final Product Storage	1980	153,000 gal	atm vent
T-81	E-81	Final Product Storage	1979	105,000 gal	atm vent
T-82	E-82	Final Product Storage	1979	30,000 gal	atm vent
T-83	E-83	Final Product Storage	1979	28,000 gal	atm vent
T-84	E-84	Final Product Storage	1979	30,000 gal	atm vent
T-85	E-85	Final Product Storage	1979	28,000 gal	atm vent
T-86	E-86	Final Product Storage	1979	30,000 gal	atm vent
T-87	E-87	Final Product Storage	1979	28,000 gal	atm vent
T-88	E-88	Final Product Storage	1980	156,000 gal	atm vent
T-89	E-89	Final Product Storage	1980	156,000 gal	atm vent
T-90	E-90	Final Product Storage	1979	30,000 gal	atm vent

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed/ Modified	Design Capacity	Control Device
T-91	E-91	Final Product Storage	1979	28,000 gal	atm vent
T-92	E-92	Final Product Storage	1979	30,000 gal	atm vent
T-93	E-93	Final Product Storage	1979	28,000 gal	atm vent
T-94	E-94	Final Product Storage	1997	179,000 gal	atm vent
T-263	E-263	Final Product Storage	1961	52,000 gal	atm vent
T-264	E-264	Final Product Storage	1961	52,000 gal	atm vent
T-265	E-265	Final Product Storage	1961	52,000 gal	atm vent
T-266	E-266	Final Product Storage	2002	52,000 gal	atm vent
T-271	E-271	Final Product Storage	1964	30,300 gal	atm vent
T-272	E-272	Final Product Storage	1964	30,300 gal	atm vent
T-275	E-275	Final Product Storage	1967	19,700 gal	atm vent
T-277	E-277	Final Product Storage	1967	19,700 gal	atm vent
T-278	E-278	Final Product Storage	1967	21,700 gal	atm vent
T-681	E-681	Final Product Storage	1960	48,000 gal	atm vent
T-682	E-682	Final Product Storage	1960	48,000 gal	atm vent
T-685	E-685	Final Product Storage	1960	48,000 gal	atm vent
T-688	E-688	Final Product Storage	1960	48,000 gal	atm vent
T-695	E-695	Out of PMPO service	2003	280,000 gal	atm vent
T-696	E-696	Final Product Storage	1990	280,000 gal	atm vent
FLEXIBLE POLYOLS EMISSION GROUP					
		B103			
		#1 and #2 Feed System			
T-276	E-276	Polyol starter	1967	21,700 gal	atm vent
T-605	E-605	Polyol starter	1959	12,400 gal	atm vent
T-606	E-606	Polyol starter	1959	12,400 gal	atm vent
T-661	E-661T	Polyol starter	1953	11,000 gal	atm vent
T-662	E-662T	Polyol starter	1953	11,000 gal	atm vent
T-628	E-628	Propylene Glycol	2002	11,000 gal	atm vent
T-659	E-659T	Glycerin	1994	20,000gal	atm vent
C-3128	E-3128	Catalyst addition system (Rx #1)	2003	105 gal	atm vent
C-3228	E-3228	Catalyst addition system (Rx #2)	N/A	105 gal	atm vent
~~Y-3100~~ K-5331	~~E-3100~~ E-5328 A	Dust Collection (common) for RX #1, #2, and #3	2010	N/A	atm vent (dust)
		#1 and #2 Reaction System			
C-3101	E-3101	Reactor Rx #1	1963	13,900 gal	vent to vacuum hogging jets H-3192

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed/ Modified	Design Capacity	Control Device
C-3201	E-3201	Reactor Rx #2	1950	14,280	vent to vacuum hogging jets H-3192
H-3192	E-3192	Hogging Vacuum Jets for #1 and #2 Reactors	N/A		Atm vent (receives flow from #1 and #2)
		#1 and #2 Interim Storage			
T-613	E-613	Crude Polyol	1959	15,000 gal	atm vent
T-614	E-614	Crude Polyol	1959	15,000 gal	atm vent
T-667	E-667	Crude Polyol	1967	15,000 gal	atm vent
T-668	E-668	Crude Polyol	1967	15,000 gal	atm vent
T-643	E-643T	Crude Polyol	1958	15,000 gal	atm vent
T-644	E-644T	Crude Polyol	1958	15,000 gal	atm vent
		Rx #3 Feed System Related			
T-647	E-647	Polyol starter or crude Polyol	1959	13,100 gal	atm vent
T-648	E-648	Polyol starter or crude Polyol	1959	13,100 gal	atm vent
T-1522	E-1522	Polyol starter	2011	50,500 gal	atm vent
T-269	E-269	Polyol starter	1961	49,000 gal	atm vent
T-273	E-273	Glycerine	1963	8,300 gal	atm vent
C-3328	E-3328	Catalyst addition system	N/A	105 gal	atm vent
K-5331	E-~~3100~~ 5228A	Dust Collection (Common)	N/A		atm vent (dust)
		#3 Reaction System			
C-3301	E-3301	Reactor Rx #3	1928		Can vent to Vacuum Pump and Jets H-3316 as well
H-3316	E-620	Vacuum system #3 reactor	N/A		atm vent
		Rx #3 Storage & Ancillary System			
T-611	E-611	Crude Polyol	1959	14,100 gal	atm vent
T-612	E-612	Crude Polyol	1959	14,100 gal	atm vent
T-611	E-620	Crude Polyol Stripping	2006	14,100 gal	Steam jets for T-611, T-612 and Rx #3. Vents to H-3316
T-612	E-610	Crude Polyol Stripping	2006	14,100 gal	Steam jets for T-611, T-612 and Rx #3. Vents to H-3316
T-669	E-669	Crude Polyol	1967	14,100 gal	atm vent
T-670	E-670	Crude Polyol	1967	14,100 gal	atm vent
T-672	E-672	Polyol Product	2004	98,500 gal	atm vent
T-259	E-259	Polyol Product	1961	27,500 gal	atm vent
T-255	E-255	Polyol Product	1967	27,500 gal	atm vent
T-1526	E-1526	Polyol Product	1967	51,200 gal	atm vent
T-8467	E-8467	Polyol Product	2007	51,200 gal	atm vent
T-8469	E-8469	Polyol Product	2008	51,200 gal	atm vent
T-1519	E-1519	Polyol Product	1967	26,000 gal	atm vent
		Refining System			
		#1 System			

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed/ Modified	Design Capacity	Control Device
T-1465	E-1465	New ISOP feed (Common). Common to #1, 2 & 5 systems	2003	14,000 gal	atm vent
T-656	E-656	ISOP Feed (Common)	1953	14,800 gal	Atm vent
T-658	E-658T	ISOP Feed (Common)	1953	14,800 gal	Atm vent
T-610	E-610S	Sulfuric acid (Common)	2006	5,200 gal	Atm vent
C-3404	E-662	Cat Bed - Catalyst removal	1996	N/A	atm vent
C-3406	E-662	Mix Bed - Catalyst removal	1995	900 gal	atm vent
Ex-3475 / H-3477	E--608	Vacuum system (evaporation equipment) Condenser / Vacuum Jet off evaporators	N/A		Ex-3475 condenser
T-3478	E-608	Jet seal pot		170 gal	atm vent
T-3483	E-3483	Jet Pot Collection		130 gal	atm vent. For #1 and #2 systems
T-1466	E-1466	Used/recovered ISOP (Common)	2003	14,800 gallons	atm vent
T-649	E-649	Crude Polyol	1959	14,400 gal	atm vent
T-649	E-603S	Crude Polyol Stripping			Steam jets for T-604, T-603, T-649 and T-650. Vent to 600 Series Vacuum Jets.
T-650	E-650	Crude Polyol	1959	12,600 gal	atm vent
T-650	E-603S	Crude Polyol Stripping			Steam jets for T-604, T-603, T-649 and T-650. Vent to 600 Series Vacuum Jets.
T-604	E-604	Crude Polyol	1959	12,400 gal	atm vent
T-604	E-603S	Crude Polyol Stripping	1959	12,400 gal	Steam jets for T-604, T-603, T-649 and T-650. Vent to 600 Series Vacuum Jets.
600 Series Vacuum Jet Pot	E-603J	Jet seal pot			atm vent
		#2 System			
C-3504	E-663	Cat Bed - Catalyst removal	1992	57,200 gal	atm vent
C-3506	E-663	Mix Bed - Catalyst removal	1992	750 gal	atm vent
EX-3575 / H-3577	E-609	Vacuum system (evaporation equipment) Condenser / Vacuum Jet	N/A		Condenser
T-3578	E-609	Jet seal pot		170 gal	atm vent
T-261	E-261	Make tank	1961	13,500 gal	atm vent
T-262	E-262	Make tank	1961	13,500 gal	atm vent
T-257	E-257	Make tank	1961	13,500 gal	atm vent
T-258	E-258	Make tank	1961	13,400 gal	atm vent

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed/ Modified	Design Capacity	Control Device
		#5 System			
C-3604	E-664	Cat Bed - Catalyst removal	1966	2,800 gal	atm vent
C-3606	E-664	Mix Bed - Catalyst removal	1966	830 gal	atm vent
Ex-3675 / H-3677	E-610	Vacuum system (evaporation equipment) Condenser / Vacuum Jet	N/A		Condenser
T-3678	E-610	Jet seal pot	1979	95 gal	atm vent
T-603	E-603	Crude Polyol	1959	12,100 gal	atm vent
T-603	E-603S	Crude Polyol Stripping			Steam jets for T-604, T-603, T-649 and T-650. Vent to 600 Series Vacuum Jets.
T-645	E-645	Crude Polyol	1958	14,100 gal	atm vent
T-646	E-603S	Crude Polyol Stripping	1958	14,100 gal	Steam jets for T-604, T-603, T-649 and T-650. Vent to 600 Series Vacuum Jets.
		B103 Final Product Storage			
T-267	E-267	Product storage	1961	50,400 gal	atm vent
T-268	E-268	Product storage	1961	50,400 gal	atm vent
T-269	E-269	Product storage	1961	50,400 gal	atm vent
T-270	E-270	Product storage	1961	50,400 gal	atm vent
T-673	E-673	Product storage	2004	97,400 gal	atm vent
T-674	E-674	Product storage	2004	97,400 gal	atm vent
T-1517	E-1517	Product storage	2006	27,500 gal	atm vent
T-1518	E-1518	Product storage	1966	27,000 gal	atm vent
T-1520	E-1520	Product storage	1967	27,000 gal	atm vent
T-1521	E-1521	Product storage	1967	50,500 gal	atm vent
T-1523	E-1523	Product storage	1967	50,500 gal	atm vent
T-1524	E-1524	Product storage	1967	50,500 gal	atm vent
T-1527	E-1527	Product storage	1967	50,500 gal	atm vent
T-1528	E-1528	Product storage	2004	50,500 gal	atm vent
T-1529	E-1529	Product storage	1967	50,500 gal	atm vent
T-1530	E-1530	Product storage	1967	50,500 gal	atm vent
T-1525	E-1525	Product storage	1967	50,500 gal	atm vent
T-1531	E-1531	Product storage	1967	50,500 gal	atm vent
T-1532	E-1532	Product storage	1967	50,500 gal	atm vent
		B196 Phase IV			
		Rx #7, #8 and #9 Feed and Vacuum System			
T-1	E-1	Polyol starter	2004	25,200 gal	atm vent
T-2	E-2	Polyol starter	2004	25,200 gal	atm vent
T-9	E-9	Polyol starter	1967	25,200 gal	atm vent
T-10	E-10	Polyol starter or glycerine	1967	21,800 gal	atm vent
T-18	E-18	Polyol starter	1974	22,200 gal	atm vent
H-5416 H-5216	E-5416 or E-5216	Vacuum Jets Vacuum Pump	N/A		Receives flow from #7, 8 & 9.

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed/ Modified	Design Capacity	Control Device
Rx #7, #8 and #9 Reaction System					
C-5201	E-636	#7 Reactor	1974	22,300 gal	Can vent to Vacuum Jets H-5416 and H-5216 vacuum pump as well
T-5316	E-5316	Hot well (Common)		80 gal	atm vent
C-5301	E-637	#8 Reactor	1974	19,400 gal	Can vent to Vacuum Jets H-5416 and H-5216 vacuum pump as well
C-5401	E-638	#9 Reactor	1974	61,830 gal	Can vent to Vacuum Jets H-5416 and H-5216 vacuum pump as well
T-5340A	E-5340A	Liquid KOH addition	1992	4,680 gal	atm vent
T-5340B	E-5340B	Liquid KOH addition	1992	4,680 gal	atm vent
Interim Storage					
T-3	E-3	Crude storage	2003	25,300 gal	atm vent
T-4	E-4	Crude storage	2003	25,300 gal	atm vent
T-5	E-5	Crude storage	2003	25,300 gal	atm vent
T-6	E-6	Crude storage	2003	25,300 gal	atm vent
T-7	E-7	Crude storage	2003	25,300 gal	atm vent
T-8	E-8	Crude storage same as T-3 for all	2003	25,300 gal	atm vent
Rx #7, #8, #9 and #10 Refining System					
T-20	E-20	Fresh ISOP	1974	22,000 gal	atm vent
T-24	E-24	Fresh ISOP	1967	22,000 gal	atm vent
T-26	E-26	Fresh ISOP	1973	22,000 gal	atm vent
T-19	E-19	Use/recovered ISOP	1974	22,000 gal	atm vent
T-23	E-23	Use/recovered ISOP	1967	22,000 gal	atm vent
T-25	E-25	Use/recovered ISOP	1973	22,000 gal	atm vent
C-5504	E-640	#7 Cat Bed - Catalyst removal	1974	6,840 gal	atm vent
C-5506	E-643	#7 Mix Bed – Catalyst removal	1974	3,870 gal	Atm vent
T-17	E-17	H_2SO_4 storage	2002	6,500 gal	atm vent
T-5550	E-5550	#7 IX Surge Tank	1974	22,000 gal	atm vent
T-5650	E-5650	#8 IX Surge Tank	1974	22,000 gal	atm vent
T-5750	E-5750	#9 IX Surge Tank	1974	22,000 gal	atm vent
H-242	E-242	Evaporation vacuum system	N/A		atm vent
T-5678	E-5678	Jet seal pot	1965	260 gal	atm vent
T-11	E-11	Make tank	1974	26,000 gal	atm vent
T-12	E-12	Make tank	1974	26,000 gal	atm vent
T-310	E-310	Inhibitor Pot		N/A	atm vent
C-5604	E-641	#8 Cat Bed - Catalyst removal	1974	6,840 gal	atm vent
C-5606	E-644	#8 Mix Bed - Catalyst removal	1974	2,530 gal	atm vent

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed/ Modified	Design Capacity	Control Device
H-230	E-230	Evaporation vacuum system	N/A		atm vent
T-13	E-13	Make tank	1974	26,000 gal	atm vent
T-14	E-14	Make tank	1974	26,000 gal	atm vent
C-5704	E-642	#9 Cat Bed - Catalyst removal	1974	6,840 gal	atm vent
C-5706	E-645	#9 Mix Bed - Catalyst removal	1974	2,500 gal	atm vent
H-267	E-267	Evaporation vacuum system	N/A		atm vent
T-15	E-15	Make tank	1974	26,000 gal	atm vent
T-16	E-16	Make tank	1974	26,000 gal	atm vent
C-5804	E-5804	#10 Cat Bed – Catalyst removal	2004	9,600 gal	atm vent
C-5806	E-5806	#10 Mix Bed – Catalyst removal	2004	4,000 gal	atm vent
B196 Final Storage Tanks					
T-60	E-60	Product storage	1974	270,000 gal	atm vent
T-61	E-61	Product storage	1974	280,000 gal	atm vent
T-62	E-62	Product storage	1974	143,000 gal	atm vent
T-63	E-63	Product storage	2002	143,000 gal	atm vent
T-64	E-64	Product storage	2002	143,000 gal	atm vent
T-65	E-65	Product storage	1974	143,000 gal	atm vent
T-66	E-66	Product storage	1980	203,000 gal	atm vent
T-67	E-67	Product storage	1980	203,000 gal	atm vent
T-68	E-68	Product storage	1974	266,000 gal	atm vent
T-698	E-698	Product Storage	2004	280,000 gal	atm vent
T-6797	E-6797	Intermediate storage	1994	50,000 gal	atm vent
T-6798	E-6798	Product storage	1994	50,000 gal	atm vent
T-6799	E-6799	Intermediate storage	1994	50,000 gal	atm vent
Distillation Column					
C-5812/ C-5811 Column / Condenser	E-639	ISOP Distillation Column System	1961	4,980 gallons	atm vent

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed/ Modified	Design Capacity	Control Device
Supply Chain PO Distribution					
PO Distribution					
C-2090A	E-25, E-26 & E-27	PO Carbon Treater No emissions until carbon bed is regenerated	1996		UCC Boiler 25, 26 or 27
C-2090B	E-25, E-26 & E-27	PO Carbon Treater No emissions until carbon bed is regenerated	1997		UCC Boiler 25, 26 or 27
C-101	N/A	PO Storage (South Sphere)	1942	168,000 gal	Vapor balanced
C-102	N/A	PO Storage (North Sphere)	1942	168,000 gal	Vapor balanced
T-9016	N/A	PO Storage (North Charleston Tank Farm)	1969	420,000 gal	Vapor balanced
T-9017	N/A	PO Storage (North Charleston Tank Farm)	1959	350,000 gal	Vapor balanced
EO Distribution					
C-7000	Fugitive	EO Storage Tank	2015	82,000 gal	Vapor Balanced
Y-7101	E-7101	EO Scrubber	2015	N/A	Y-7101
D-7102	E-7101	EO Reaction Tank	2015	4,400 gal	Y-7101
D-7103	E-7101	EO Reaction Tank	2015	4,400 gal	Y-7101
C-7203	E-7203	Chiller Tank	2015	640 gal	Atm vent
V-7200	None	Chiller	2015	N/A	N/A

Equipment not installed

1.2. Active R13, R14, and R19 Permits

The underlying authority for any conditions from R13, R14, and/or R19 permits contained in this operating permit is cited using the original permit number (e.g. R13-1234). The current applicable version of such permit(s) is listed below.

Permit Number	Date of Issuance
R13-2561K	8/19/2015

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-1459	E-1459	Atm vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Catalyst/Flex Storage (PMPO #1)

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1965	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
15,900 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	1,800,000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	0.0050
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
N/A	N/A	0.0000
N/A	N/A	0.0000
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Tanks 4.0

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	Emission Point ID:	List any control devices associated with this emission unit:
T-1460	E-1460	Atm vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Catalyst/Flex Storage (PMPO #1)

Manufacturer:	Model number:	Serial number:

Construction date:	Installation date:	Modification date(s):
MM/DD/YYYY	1965	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
15,900 gal

Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule:
N/A	1,800,000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	If yes, is it? ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	0.0050
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
N/A	N/A	0.0000
N/A	N/A	0.0000
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Tanks 4.0

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-2148 (PMPO #1 jet pot)/H-2143 (Jet emergency vent)	E-651	H-2143

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Steam evactor system and associated equipment venting during periods of shutdown and/or malfunction of TO/waste gas header

Manufacturer:	**Model number:**	**Serial number:**

Construction date: MM/DD/YYYY	**Installation date:** MM/DD/YYYY	**Modification date(s):** MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

N/A

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	N/A	N/A

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes _X_ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	N/A	N/A	
Nitrogen Oxides (NO_X)	N/A	N/A	
Lead (Pb)	N/A	N/A	
Particulate Matter ($PM_{2.5}$)	N/A	N/A	
Particulate Matter (PM_{10})	N/A	N/A	
Total Particulate Matter (TSP)	N/A	N/A	
Sulfur Dioxide (SO_2)	N/A	N/A	
Volatile Organic Compounds (VOC)	0.01	0.01	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Acrylonitrile	0.02	0.01	
Styrene	0.01	0.01	
N/A	N/A	N/A	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
	N/A	N/A	
	N/A	N/A	

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering calculations.

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

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__X__ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

4.2.2

Are you in compliance with all applicable requirements for this emission unit? _X__Yes ___No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-1454	E-1454	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Intermediate or Make Tank (PMPO #1)

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1965	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
15,700 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	1800000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	0.01767
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	N/A	0.01178
Styrene	N/A	0.00588
N/A		N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Tanks 4.0

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-1455	E-1455	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Intermediate or Make Tank (PMPO #1)

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1967	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
15,700 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	1800000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	0.01767
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	N/A	0.01178
Styrene	N/A	0.00588
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Tanks 4.0

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-1456	E-1456	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Intermediate or Make Tank (PMPO #1)

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1967	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
15,700 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	1800000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	0.01767
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	N/A	0.01178
Styrene	N/A	0.00588
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Tanks 4.0

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-2165	E-2165	None

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Inhibitor addition tank

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	MM/DD/YYYY	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 1,500 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
		24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes _X_ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data

Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	0.005
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Propylene oxide	N/A	N/A
Ethylene oxide	N/A	N/A
Propionaldehyde	N/A	N/A
Acetaldehyde	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
	N/A	N/A
	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Tanks 4.0

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

__X__ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X__Yes ___No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-2265	E-2265	None

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Inhibitor addition tank

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	MM/DD/YYYY	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 1,500 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
		24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes _X_ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data

Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	0.005
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Propylene oxide	N/A	N/A
Ethylene oxide	N/A	N/A
Propionaldehyde	N/A	N/A
Acetaldehyde	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
	N/A	N/A
	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Tanks 4.0

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

__X__ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X__Yes ___No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	Emission Point ID:	List any control devices associated with this emission unit:
T-2305	E-2305	Atm Vent Catalyst Mix Tank

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Cat Mix Tank Feeds PMPO # 1

Manufacturer:	Model number:	Serial number:

Construction date:	Installation date:	Modification date(s):
MM/DD/YYYY	2003	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule:
N/A	0 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	If yes, is it? ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	0.0050
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
N/A	N/A	0.0000
N/A	N/A	0.0000
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Tanks 4.0

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-2248 (PMPO #2 jet pot)/H-2253 (Jet emergency vent)	E-653	H-2253

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Steam evactor system and associated equipment venting during periods of shutdown and/or malfunction of TO/waste gas header

Manufacturer:	**Model number:**	**Serial number:**

Construction date: MM/DD/YYYY	**Installation date:** MM/DD/YYYY	**Modification date(s):** MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

N/A

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	N/A	N/A

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes _X_ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	0.01	0.01
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0.02	0.01
Styrene	0.01	0.01
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering calculations.

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

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__X__ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

4.2.2

Are you in compliance with all applicable requirements for this emission unit? _X__Yes ___No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description		
Emission unit ID number: T-1453	**Emission Point ID:** E-1453	**List any control devices associated with this emission unit:** Atm Vent
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Intermediate or Make Tank (PMPO #2)		
Manufacturer:	**Model number:**	**Serial number:**
Construction date: MM/DD/YYYY	**Installation date:** 1965	**Modification date(s):** MM/DD/YYYY
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 15,000 gal		
Maximum Hourly Throughput: N/A	**Maximum Annual Throughput:** 4200000 gal/yr	**Maximum Operating Schedule:** 24/7/365
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes __X__ No		**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	0.02367
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	N/A	0.01578
Styrene	N/A	0.00788
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Tanks 4.0

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-1463	E-1463	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Intermediate or Make Tank (PMPO #2)

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1974	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
14,000 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	4200000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	0.02367
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	N/A	0.01578
Styrene	N/A	0.00788
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Tanks 4.0

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description		
Emission unit ID number: T-1464	**Emission Point ID:** E-1464	**List any control devices associated with this emission unit:** Atm Vent
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Intermediate or Make Tank (PMPO #2)		
Manufacturer:	**Model number:**	**Serial number:**
Construction date: MM/DD/YYYY	**Installation date:** 1974	**Modification date(s):** MM/DD/YYYY
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 15,000 gal		
Maximum Hourly Throughput: N/A	**Maximum Annual Throughput:** 4200000 gal/yr	**Maximum Operating Schedule:** 24/7/365
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes __X__ No		**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	0.02367
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	N/A	0.01578
Styrene	N/A	0.00788
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Tanks 4.0

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-2348 (PMPO #3 jet pot)/H-2343 and H-2353 (Jet emergency vents)	E-652 and E-654	H-2343 and H-2353

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Steam evactor system and associated equipment venting during periods of shutdown and/or malfunction of TO/waste gas header

Manufacturer:	**Model number:**	**Serial number:**

Construction date: MM/DD/YYYY	**Installation date:** MM/DD/YYYY	**Modification date(s):** MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

N/A

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	N/A	N/A

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes _X_ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	0.01	0.01
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0.02	0.01
Styrene	0.01	0.01
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
	N/A	N/A
	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering calculations.

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

R13 2561K 4.1.6

__X__ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

4.2.2

Are you in compliance with all applicable requirements for this emission unit? _X__ Yes ___No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	Emission Point ID:	List any control devices associated with this emission unit:
T-8480	E-8480	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Intermediate or Make Tank (PMPO #3)

Manufacturer:	Model number:	Serial number:

Construction date:	Installation date:	Modification date(s):
MM/DD/YYYY	1963	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
29,000 gal

Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule:
N/A	6500000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	If yes, is it? ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	0.21723
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	N/A	0.02561
Styrene	N/A	0.01278
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Tanks 4.0

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-8481	E-8481	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Intermediate or Make Tank (PMPO #3)

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1963	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
29,000 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	6500000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	0.21723
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	N/A	0.02561
Styrene	N/A	0.01278
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Tanks 4.0

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description		
Emission unit ID number: T-8482	**Emission Point ID:** E-8482	**List any control devices associated with this emission unit:** Atm Vent
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Intermediate or Make Tank (PMPO #3)		
Manufacturer:	**Model number:**	**Serial number:**
Construction date: MM/DD/YYYY	**Installation date:** 1991	**Modification date(s):** MM/DD/YYYY
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 29,000 gal		
Maximum Hourly Throughput: N/A	**Maximum Annual Throughput:** 6500000 gal/yr	**Maximum Operating Schedule:** 24/7/365
***Fuel Usage Data* (fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes __X__ No		**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	0.21723
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	N/A	0.02561
Styrene	N/A	0.01278
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Tanks 4.0

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-8483	E-8483	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Intermediate or Make Tank (PMPO #3)

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1991	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
29,000 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	6500000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	0.21723
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	N/A	0.02561
Styrene	N/A	0.01278
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Tanks 4.0

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description		
Emission unit ID number: T-103	**Emission Point ID:** E-103	**List any control devices associated with this emission unit:** Atm Vent
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Polyol Storage (PMPO #4)		
Manufacturer:	**Model number:**	**Serial number:**
Construction date: MM/DD/YYYY	**Installation date:** 1990	**Modification date(s):** MM/DD/YYYY
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 17,000 gal		
Maximum Hourly Throughput: N/A	**Maximum Annual Throughput:** 10000000 gal/yr	**Maximum Operating Schedule:** 24/7/365
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes __X__ No		**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	0.55	0.0900
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
N/A	N/A	0.0000
N/A	N/A	0.0000
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

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Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-104	E-104	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Polyol Storage (PMPO #4)

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1990	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
17,000 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	10000000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	0.55	0.0900
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
N/A	N/A	0.0000
N/A	N/A	0.0000
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

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Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-2448 (PMPO #4 jet pot)/H-2443 (Jet emergency vent)	E-658	H-2443

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Steam evactor system and associated equipment venting during periods of shutdown and/or malfunction of TO/waste gas header

Manufacturer:	**Model number:**	**Serial number:**

Construction date: MM/DD/YYYY	**Installation date:** MM/DD/YYYY	**Modification date(s):** MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

N/A

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	N/A	N/A

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes _X_ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	N/A	N/A	
Nitrogen Oxides (NO_X)	N/A	N/A	
Lead (Pb)	N/A	N/A	
Particulate Matter ($PM_{2.5}$)	N/A	N/A	
Particulate Matter (PM_{10})	N/A	N/A	
Total Particulate Matter (TSP)	N/A	N/A	
Sulfur Dioxide (SO_2)	N/A	N/A	
Volatile Organic Compounds (VOC)	0.01	0.01	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Acrylonitrile	0.02	0.01	
Styrene	0.01	0.01	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
	N/A	N/A	
	N/A	N/A	

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering calculations.

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

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__X__ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

4.2.2

Are you in compliance with all applicable requirements for this emission unit? _X__Yes ___No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description		
Emission unit ID number: T-105	**Emission Point ID:** E-105	**List any control devices associated with this emission unit:** Atm Vent
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Intermediate or Make Tank (PMPO #4)		
Manufacturer:	**Model number:**	**Serial number:**
Construction date: MM/DD/YYYY	**Installation date:** 1962	**Modification date(s):** MM/DD/YYYY
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 27,000 gal		
Maximum Hourly Throughput: N/A	**Maximum Annual Throughput:** 17000000 gal/yr	**Maximum Operating Schedule:** 24/7/365
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes __X__ No		**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	1	0.0500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0.0100	0.0005
Styrene	0.0100	0.0005
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

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Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	Emission Point ID:	List any control devices associated with this emission unit:
T-106	E-106	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Intermediate or Make Tank (PMPO #4)

Manufacturer:	Model number:	Serial number:

Construction date:	Installation date:	Modification date(s):
MM/DD/YYYY	1962	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
27,000 gal

Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule:
N/A	17000000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	If yes, is it? ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	1	0.0500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0.0100	0.0005
Styrene	0.0100	0.0005
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

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Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-107	E-107	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Intermediate or Make Tank (PMPO #4)

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1962	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
27,000 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	17000000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	1	0.0500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0.0100	0.0005
Styrene	0.0100	0.0005
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

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Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-108	E-108	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Intermediate or Make Tank

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1962	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
27,000 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	17000000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	1	0.0500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0.0100	0.0005
Styrene	0.0100	0.0005
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

API-42

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

X Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? X Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-8484	E-8484	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Intermediate or Make Tank (PMPO #4)

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1962	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
30,000 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	17000000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	1	0.0500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0.0100	0.0005
Styrene	0.0100	0.0005
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

API-42

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	Emission Point ID:	List any control devices associated with this emission unit:
T-8485	E-8485	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Intermediate or Make Tank (PMPO #4)

Manufacturer:	Model number:	Serial number:

Construction date:	Installation date:	Modification date(s):
MM/DD/YYYY	1962	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
30,000 gal

Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule:
N/A	17000000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	If yes, is it? ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	1	0.0500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0.0100	0.0005
Styrene	0.0100	0.0005
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

API-42

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	Emission Point ID:	List any control devices associated with this emission unit:
T-2496	E-2496	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Hot Oil System for Evaporator (PMPO #4)

Manufacturer:	Model number:	Serial number:

Construction date:	Installation date:	Modification date(s):
MM/DD/YYYY	1990	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
400 gal

Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule:
N/A	gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	If yes, is it? ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	1.78	0.0043
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
N/A	N/A	0.0000
N/A	N/A	0.0000
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

API-42

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-109	E-655	Vents to TO. Y2124

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Recycle alcohol (feed tank for PFS)

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1954	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
21,000 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	730000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	0	0.0000
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
N/A	N/A	0.0000
N/A	N/A	0.0000
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

This tank vents to the thermal oxidizer and these emissions are included in E-655 permit limits (R13-2561K).

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

WV Regulation 27
R13-2561F - 4.1.4
R13-2561F - 6.1.3

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

R13-2561F-6.2.2

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-1451	E-1451	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

#2 ISOP / Polyol Storage Tank (bottom) - PFS

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	2002	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
15,000 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	556002 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	0.1735
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
N/A	N/A	0.0000
N/A	N/A	0.0000
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Tanks 4.0

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	Emission Point ID:	List any control devices associated with this emission unit:
T-1452	E-1452	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

#2 ISOP / Polyol Storage Tank - PFS

Manufacturer:	Model number:	Serial number:

Construction date:	Installation date:	Modification date(s):
MM/DD/YYYY	1964	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
14,760 gal

Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule:
N/A	2400000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	If yes, is it? ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	2	0.3200
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
N/A	N/A	0.0000
N/A	N/A	0.0000
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Tanks 2.0

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-1458	E-1458	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

#2 ISOP / Polyol Storage Tank - PFS

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1960	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
28,000 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	2500000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	2	0.3200
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
N/A	N/A	0.0000
N/A	N/A	0.0000
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Tanks 2.0

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-1461	E-1461	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

#2 ISOP/Polyol Storage Tank - PFS

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1966	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
14,000 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	0 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	0.3165
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
N/A	N/A	0.0000
N/A	N/A	0.0000
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Tanks 4.0

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-2501	E-2501	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

#1 ISOP / Catalyst Preblend Tank - PFS

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1994	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
1,530 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	0 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	0.0200
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
N/A	N/A	0.0000
N/A	N/A	0.0000
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

N/A

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-2502	E-2502	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

#2 ISOP / Catalyst Preblend Tank - PFS

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1994	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
1,530 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	0 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	0.0200
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
N/A	N/A	0.0000
N/A	N/A	0.0000
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

N/A

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	Emission Point ID:	List any control devices associated with this emission unit:
T-632	E-655	Vents to T.O. Y-2124

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

PFS Storage

Manufacturer:	Model number:	Serial number:

Construction date:	Installation date:	Modification date(s):
MM/DD/YYYY	1987	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
50,000 gal

Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule:
N/A	3500000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	If yes, is it? ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	0	0.0000
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0	0.0000
Styrene	0	0.0000
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

This tank vents to the Thermal Oxidizer and these emissions are included in E-655 permit limits (R13-2561K).

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

40CFR16 Standards of Performance for New Stationary Sources Pursuant to CFR Part 60.
R13-2561K – 5.1.1, R13-2561K – 5.4.4, WV Regulation 27

_X__ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

R13-2561K – 5.2.1

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-663	E-655	Vents to T.O. (Y-2124)

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

PFS Storage

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1984	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
15,500 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	3500000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	0	0.0000
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0.0000	0.0000
Styrene	0.0000	0.0000
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

This tank Vents to the Thermal Oxidizer and these emissions are included in E-655 permit limits (R13-2561K).

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

R13-2561K – 5.1.1, R13-2561K – 5.4.4, WV Regulation 27

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

R13-2561k – 5.2.1

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-684	E-684	Vents to T.O (Y-2124)

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

PFS Storage

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1997	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
39,620 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	0 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	0.0000
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0.0000	0.0000
Styrene	0.0000	0.0000
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

This tank vents to the Thermal Oxidizer and these emisions are included in E-655 permit limits (R13-2561K)

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

R13-2561K – 5.1.1, R13-2561K – 5.4.4, WV Regulation 27

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

R13-2561K – 5.2.1

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-686	E-686	Vents to T.O. (Y-2124)

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

PFS Storage

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1966	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
42,000 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	2100000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	0.000	0.0000
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0.0000	0.0000
Styrene	0.0000	0.0000
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

This tank vents to the Thermal Oxidizer and these emissions are included in E-655 permit limits (R13-2561K)

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

R13-2561K – 5.1.1, R13-2561K – 5.4.4, WV Regulation 27

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

R13-2561K – 5.2.1

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-2405	E-2405 (Tank) and E-657 (Exhaust Fan)	None

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Mixing Tank for Catalyst Addition to PMPO #2, #3 and #4 – PMPO Feed System

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	2015	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
950 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	0.2	0.005
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
N/A	N/A	0.0000
N/A	N/A	0.0000
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

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Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-279	E-279	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Inhibitor Storage – PMPO Feed System

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1943	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
3,800 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	120000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	0.01	0.0005
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
N/A	N/A	0.0000
N/A	N/A	0.0000
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

N/A

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-8463	E-8463	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Inhibitor Storage – PMPO Feed System

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1951	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
18,500 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	120000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	0.01	0.0005
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
N/A	N/A	0.0000
N/A	N/A	0.0000
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

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Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-8465	E-8465	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Polyol Raw Material Staging for Blends – PMPO Feed System

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1951	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
18,500 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	235000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	0.35	0.0100
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
N/A	N/A	0.0000
N/A	N/A	0.0000
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

API-42& EE

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-626	E-655	Vents to T.O. (Y-2124)

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Acrylonitrile Feeds all PMPO Systems and PFS

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1986	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
47,200 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	10400000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	0.0000
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0	0
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

This tank Vents to the Thermal Oxidizer and these emissions are included in E-655 permit limits (R13-2561K).

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

40CFR16 Standards of Performance for New Stationary Sources Pursuant to CFR Part 60.
R13-2561K – 4.1.4, R13-2561K – 6.1.4, WV Regulation 27

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

R13-2561K – 6.2.1

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-633	E-633	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Styrene Feeds all PMPO Systems – PMPO Feed System

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1937	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
11,700 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	13400000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Styrene	0.72	0.2100
N/A	N/A	0.0000
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

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Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

R13-2561K – 6.1.2

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

R13-2561K- 6.2.1

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
E-634	E-634	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Styrene Feeds all PMPO Systems – PMPO Feed System

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1937	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
11,700 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	13400000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Styrene	0.72	0.21
N/A	N/A	0.0000
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

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Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

R13-2561K – 6.1.2

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

R13-2561K- 6.2.1

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-683	E-683	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Styrene Feeds all PMPO Systems – PMPO Feed Sysstems

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	2004	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
48,000 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	13400000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired __ Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Styrene	3.76	0.19
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

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Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

R13-2561K – 6.1.4

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

R13-2561K- 6.2.1

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-687	E-687	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Styrene Feeds all PMPO Systems – PMPO Feed Systems

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	2007	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
48,000 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	13400000gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Styrene	3.76	0.19
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

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Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-631	T-631	Vents to T.O. (Y-2124)

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Recovered Alcohol (feed tank for PFS). Receives from PMPO # 1, 2, 3 – PMPO Feed System

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1966	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
32,000 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	2300000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	0	0
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0	0
Styrene	0	0
VDC	0	0
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

This tank Vents to the Thermal Oxidizer and these emissions are included in E-655 permit limits (R13-2561K).

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

WV Regulation 27, R13-2561K – 4.1.4, R13-2561K – 6.1.3, R13-2561K – 6.1.4

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

R13-2561K – 6.2.1, R13-2561K – 6.2.2

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-1457	E-1457	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

EPO Storage Tank – PMPO Feed System

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1965	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
12,200 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	361000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	0.13	0.00865
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
N/A	N/A	0.0000
N/A	N/A	0.0000
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

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Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-616	E-655	Vents to T.O.(Y-2124)

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Storage/decanting of wastewater – PMPO support equipment

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	2010	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
32,000 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	73500000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	0	0
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0	0
Styrene	0	0
[redacted]	0	0
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

This tank vents to the Thermal Oxidizer and these emissions are included in E-655 permit limits (R13-2561K).

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

WV Regulation 27
R13-2561K-4.1.4
R13-2561K-6.1.4

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

R13-2561K-6.2.1

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	Emission unit name:	List any control devices associated with this emission unit:
T-1462	E-1462	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Storage PMPO stabilizer – PMPO Support Equipment

Manufacturer:	Model number:	Serial number:

Construction date:	Installation date:	Modification date(s):
MM/DD/YYYY	1965	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
15,000 gal

Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule:
N/A	0 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	If yes, is it? ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	0.0050
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
N/A	N/A	0.0000
N/A	N/A	0.0000
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Tanks 4.0

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-1467	E-1467	Atm vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

PMPO storage (Polyol) – PMPO support equipment

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1974	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
30,000 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	0 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X_ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	0.0050
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
N/A	N/A	0.0000
N/A	N/A	0.0000
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Tanks 4.0

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	Emission Point ID:	List any control devices associated with this emission unit:
T-1468	E-1468	Atm vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

PMPO storage (Polyol) – PMPO support equipment

Manufacturer:	Model number:	Serial number:

Construction date:	Installation date:	Modification date(s):
MM/DD/YYYY	1974	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
30,000 gal

Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule:
N/A	0 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	If yes, is it? ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	0.0050
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
N/A	N/A	0.0000
N/A	N/A	0.0000
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Tanks 4.0

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

__X__ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? __X__ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-693	E-655	Vents to T.O. Y-2124

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Waste Monomer Tank – PMPO support equipment

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	2001	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
16,200 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	585000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X_ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	0	0
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0	0
Styrene	0	0
VDC	0	0
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

This tank vents to the thermal oxidizer and these emissions are included in E-655 permit limits (R13-2561K)

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

WV Regulation 27, R13-2561K-4.1.4, R13-2561K-6.1.3, R13-2561K-6.1.4

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

R13-2561K-6.2.1
R13-2561K-6.2.2

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	Emission Point ID:	List any control devices associated with this emission unit:
T-8464	E-8464	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

RX Vessel / Blending – PMPO support equipment

Manufacturer:	Model number:	Serial number:

Construction date:	Installation date:	Modification date(s):
MM/DD/YYYY	1951	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
18,500 gal

Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule:
N/A	2600000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	If yes, is it? ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	1.32	0.0500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
N/A	N/A	0.0000
N/A	N/A	0.0000
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

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Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-8461	E-8461	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Storage – PMPO support equipment

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1951	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
37,000 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	2600000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	0.36	0.0400
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
N/A	N/A	0.0000
N/A	N/A	0.0000
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

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Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-8466	E-8466	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Storage – PMPO support equipment

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1951	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
18,500 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	2600000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	0.18	0.0300
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
N/A	N/A	0.0000
N/A	N/A	0.0000
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

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Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-8462	E-8462	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Storage – PMPO support equipment

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1951	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
37,000 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	235000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	0.9	0.0100
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
N/A	N/A	0.0000
N/A	N/A	0.0000
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

API-42 & EE

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-112	E-112	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Storage – PMPO support equipment

Manufacturer:	**Model number:**	**Serial number:**

Construction date: MM/DD/YYYY	**Installation date:**	**Modification date(s):** MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	0 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	0.3500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
N/A	N/A	0.0000
N/A	N/A	0.0000
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Tanks 4.0

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X__ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	Emission Point ID:	List any control devices associated with this emission unit:
T-70	E-70	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Final Product Storage – PMPO Storage and ancillary equipment

Manufacturer:	Model number:	Serial number:

Construction date:	Installation date:	Modification date(s):
MM/DD/YYYY	1979	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
204,000 gal

Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule:
N/A	5900000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	If yes, is it? ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	1	0.0500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0.0100	0.0005
Styrene	0.0100	0.0005
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

API-42 & EE

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-71	E-71	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Final Product Storage – PMPO Storage and ancillary equipment

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1979	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
204,000 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	5900000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	1	0.0500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0.0100	0.0005
Styrene	0.0100	0.0005
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

API-42 & EE

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-72	E-72	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Final Product Storage - PMPO Storage and ancillary equipment

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1979	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
204,000 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	5900000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	1	0.0500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0.0100	0.0005
Styrene	0.0100	0.0005
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

API-42 & EE

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	Emission Point ID:	List any control devices associated with this emission unit:
T-73	E-73	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Final Product Storage - PMPO Storage and ancillary equipment

Manufacturer:	Model number:	Serial number:

Construction date:	Installation date:	Modification date(s):
MM/DD/YYYY	1979	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
204,000 gal

Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule:
N/A	5900000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X_ No	If yes, is it? ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	1	0.0500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0.0100	0.0005
Styrene	0.0100	0.0005
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

API-42 & EE

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-74	E-74	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Final Product Storage - PMPO Storage and ancillary equipment

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1980	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
205,000 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	5900000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	1	0.0500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0.0100	0.0005
Styrene	0.0100	0.0005
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

API-42 & EE

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-75	E-75	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Final Product Storage - PMPO Storage and ancillary equipment

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1979	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
205,000 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	5900000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	1	0.0500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0.0100	0.0005
Styrene	0.0100	0.0005
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

API-42 & EE

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description		
Emission unit ID number: T-76	**Emission Point ID:** T-76	**List any control devices associated with this emission unit:** Atm Vent
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Polyol Blending - PMPO Storage and ancillary equipment		
Manufacturer:	**Model number:**	**Serial number:**
Construction date: MM/DD/YYYY	**Installation date:** 1990	**Modification date(s):** MM/DD/YYYY
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 8,400 gal		
Maximum Hourly Throughput: N/A	**Maximum Annual Throughput:** 240000 gal/yr	**Maximum Operating Schedule:** 24/7/365
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes __X__ No		**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	0.01	0.0500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
N/A	N/A	0.0000
N/A	N/A	0.0000
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

API-42

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-77	E-77	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Polyol Blending - PMPO Storage and ancillary equipment

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1990	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
7,100 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	240000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	0.02	0.0500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
N/A	N/A	0.0000
N/A	N/A	0.0000
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

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Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X__ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-78	E-78	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Polyol Blending - PMPO Storage and ancillary equipment

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1990	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
3,800 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	5830000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	0.01	0.0500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
N/A	N/A	0.0000
N/A	N/A	0.0000
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

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Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-79	E-79	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Polyol Blending - PMPO Storage and ancillary equipment

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1990	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
10,500 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	14200000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	0.01	0.0500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
N/A	N/A	0.0000
N/A	N/A	0.0000
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

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Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	Emission Point ID:	List any control devices associated with this emission unit:
T-80	E-80	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Final Product Storage – PMPO Storage and ancillary equipment

Manufacturer:	Model number:	Serial number:

Construction date:	Installation date:	Modification date(s):
MM/DD/YYYY	1980	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
153,000 gal

Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule:
N/A	5945300 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	If yes, is it? ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	1	0.0500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0.0100	0.0005
Styrene	0.0100	0.0005
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

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Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-81	E-81	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Final Product Storage – PMPO Storage and ancillary equipment

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1979	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
105,000 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	5945300 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	1	0.0500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0.0100	0.0005
Styrene	0.0100	0.0005
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

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Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-82	E-82	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Final Product Storage – PMPO Storage and ancillary equipment

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1979	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
30,000 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	5945300 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	1	0.0500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0.0100	0.0005
Styrene	0.0100	0.0005
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

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Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X__ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-83	E-83	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Final Product Storage – PMPO Storage and ancillary equipment

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1979	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
28,000 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	5945300 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	1	0.0500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0.0100	0.0005
Styrene	0.0100	0.0005
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

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Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-84	E-84	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Final Product Storage – PMPO Storage and ancillary equipment

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1979	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
30,000 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	5945300 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? __Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	1	0.0500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0.0100	0.0005
Styrene	0.0100	0.0005
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

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Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X__ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	Emission Point ID:	List any control devices associated with this emission unit:
T-85	E-85	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Final Product Storage – PMPO Storage and ancillary equipment

Manufacturer:	Model number:	Serial number:

Construction date:	Installation date:	Modification date(s):
MM/DD/YYYY	1979	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
28000

Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule:
N/A	5945300 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	If yes, is it? ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	1	0.0500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0.0100	0.0005
Styrene	0.0100	0.0005
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

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Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	Emission point ID:	List any control devices associated with this emission unit:
T-86	E-86	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Final Product Storage – PMPO Storage and ancillary equipment

Manufacturer:	Model number:	Serial number:

Construction date:	Installation date:	Modification date(s):
MM/DD/YYYY	1979	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
30,000 gal

Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule:
N/A	5945300 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	If yes, is it? ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	1	0.0500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0.0100	0.0005
Styrene	0.0100	0.0005
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

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Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-87	E-87	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Final Product Storage – PMPO Storage and ancillary equipment

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1979	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
28,000 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	5945300 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	1	0.0500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0.0100	0.0005
Styrene	0.0100	0.0005
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

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Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-88	E-88	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Final Product Storage – PMPO Storage and ancillary equipment

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1980	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
156,000 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	5945300 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	1	0.0500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0.0100	0.0005
Styrene	0.0100	0.0005
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

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Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-89	E-89	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Final Product Storage – PMPO Storage and ancillary equipment

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1980	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
156,000 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	5945300 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	1	0.0500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0.0100	0.0005
Styrene	0.0100	0.0005
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

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Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	Emission Point ID:	List any control devices associated with this emission unit:
T-90	E-90	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Final Product Storage – PMPO Storage and ancillary equipment

Manufacturer:	Model number:	Serial number:

Construction date:	Installation date:	Modification date(s):
MM/DD/YYYY	1979	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
30,000 gal

Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule:
N/A	5945300 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	If yes, is it? ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	1	0.0500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0.0100	0.0005
Styrene	0.0100	0.0005
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

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Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-91	E-91	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Final Product Storage – PMPO Storage and ancillary equipment

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1979	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
28,000 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	5945300 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	1	0.0500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0.0100	0.0005
Styrene	0.0100	0.0005
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

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Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	Emission Point ID:	List any control devices associated with this emission unit:
T-92	E-92	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Final Product Storage – PMPO Storage and ancillary equipment

Manufacturer:	Model number:	Serial number:

Construction date:	Installation date:	Modification date(s):
MM/DD/YYYY	1979	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
30,000 gal

Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule:
N/A	5945300 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	If yes, is it? ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	1	0.0500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0.0100	0.0005
Styrene	0.0100	0.0005
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

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Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X__ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	Emission Point ID:	List any control devices associated with this emission unit:
T-93	E-93	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Final Product Storage – PMPO Storage and ancillary equipment

Manufacturer:	Model number:	Serial number:

Construction date:	Installation date:	Modification date(s):
MM/DD/YYYY	1979	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
28,000 gal

Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule:
N/A	5945300 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	If yes, is it? ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	1	0.0500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0.0100	0.0005
Styrene	0.0100	0.0005
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

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Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	Emission Point ID:	List any control devices associated with this emission unit:
T-94	E-94	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Final Product Storage – PMPO Storage and ancillary equipment

Manufacturer:	Model number:	Serial number:

Construction date:	Installation date:	Modification date(s):
MM/DD/YYYY	1997	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
179,000 gal

Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule:
N/A	5900000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	If yes, is it? ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	1	0.0500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0.0100	0.0005
Styrene	0.0100	0.0005
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

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Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-263	E-263	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Final Product Storage – PMPO Storage and ancillary equipment

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1961	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
52,000 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	2378100 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	1.5	0.0500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0.0100	0.0005
Styrene	0.0100	0.0005
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

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Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	Emission Point ID:	List any control devices associated with this emission unit:
T-264	E-264	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Final Product Storage – PMPO Storage and ancillary equipment

Manufacturer:	Model number:	Serial number:

Construction date:	Installation date:	Modification date(s):
MM/DD/YYYY	1961	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
52,000 gal

Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule:
N/A	2378100 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___ Yes __X__ No	If yes, is it? ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	1.5	0.0500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0.0100	0.0005
Styrene	0.0100	0.0005
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

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Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-265	E-265	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Final Product Storage – PMPO Storage and ancillary equipment

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1961	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
52,000 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	2378100 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	1.5	0.0500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0.0100	0.0005
Styrene	0.0100	0.0005
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

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Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X__ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-266	E-266	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Final Product Storage – PMPO Storage and ancillary equipment

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	2002	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
52,000 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	2378100 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	1.5	0.0500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0.0100	0.0005
Styrene	0.0100	0.0005
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

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Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-271	E-271	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Final Product Storage – PMPO Storage and ancillary equipment

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1964	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
30,300 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	2378100 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	2.02	0.0500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0.0100	0.0005
Styrene	0.0100	0.0005
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

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Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X__ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	Emission Point ID:	List any control devices associated with this emission unit:
T-272	E-272	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Final Product Storage – PMPO Storage and ancillary equipment

Manufacturer:	Model number:	Serial number:

Construction date:	Installation date:	Modification date(s):
MM/DD/YYYY	1964	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
30,300 gal

Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule:
N/A	2378100 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	If yes, is it? ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	2.02	0.0500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0.0100	0.0005
Styrene	0.0100	0.0005
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

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Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-275	E-275	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Final Product Storage – PMPO Storage and ancillary equipment

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	1967	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
19,700 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	1189000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	1.03	0.0500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0.0100	0.0005
Styrene	0.0100	0.0005
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

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Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

Emission Unit Description		
Emission unit ID number: T-277	**Emission Point ID:** E-277	**List any control devices associated with this emission unit:** Atm Vent
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Final Product Storage – PMPO Storage and ancillary equipment		
Manufacturer:	**Model number:**	**Serial number:**
Construction date: MM/DD/YYYY	**Installation date:** 1967	**Modification date(s):** MM/DD/YYYY
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 19,700 gal		
Maximum Hourly Throughput: N/A	**Maximum Annual Throughput:** 1189000 gal/yr	**Maximum Operating Schedule:** 24/7/365
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes __X__ No		**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	1.03	0.0500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0.0100	0.0005
Styrene	0.0100	0.0005
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

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Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	Emission Point ID:	List any control devices associated with this emission unit:
T-278	E-278	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Final Product Storage – PMPO Storage and ancillary equipment

Manufacturer:	Model number:	Serial number:

Construction date:	Installation date:	Modification date(s):
MM/DD/YYYY	1967	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
21,700 gal

Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule:
N/A	1189000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	If yes, is it? ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	1.03	0.0500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0.0100	0.0005
Styrene	0.0100	0.0005
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

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Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X__ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	Emission Point ID:	List any control devices associated with this emission unit:
T-681	E-681	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Final Product Storage – PMPO Storage and ancillary equipment

Manufacturer:	Model number:	Serial number:

Construction date:	Installation date:	Modification date(s):
MM/DD/YYYY	1960	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
48,000 gal

Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule:
N/A	2400000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	If yes, is it? ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	2.9	0.0500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0.0100	0.0005
Styrene	0.0100	0.0005
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

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Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	Emission Point ID:	List any control devices associated with this emission unit:
T-682	E-682	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Final Product Storage – PMPO Storage and ancillary equipment

Manufacturer:	Model number:	Serial number:

Construction date:	Installation date:	Modification date(s):
MM/DD/YYYY	1960	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
48,000 gal

Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule:
N/A	2400000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	If yes, is it? ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	2.9	0.0500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0.0100	0.0005
Styrene	0.0100	0.0005
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

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Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description		
Emission unit ID number: T-685	**Emission Point ID:** E-685	**List any control devices associated with this emission unit:** Atm Vent
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Final Product Storage – PMPO Storage and ancillary equipment		
Manufacturer:	**Model number:**	**Serial number:**
Construction date: MM/DD/YYYY	**Installation date:** 1960	**Modification date(s):** MM/DD/YYYY
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 48,000 gal		
Maximum Hourly Throughput: N/A	**Maximum Annual Throughput:** 2400000 gal/yr	**Maximum Operating Schedule:** 24/7/365
***Fuel Usage Data* (fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes __X__ No		**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	2.9	0.0500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0.0100	0.0005
Styrene	0.0100	0.0005
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

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Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-688	E-688	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Final Product Storage – PMPO Storage and ancillary equipment

Manufacturer:	**Model number:**	**Serial number:**

Construction date: MM/DD/YYYY	**Installation date:** 1960	**Modification date(s):** MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
48,000 gal

Maximum Hourly Throughput: N/A	**Maximum Annual Throughput:** 2400000 gal/yr	**Maximum Operating Schedule:** 24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X_ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	2.9	0.0500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0.0100	0.0005
Styrene	0.0100	0.0005
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

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Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission Point ID:**	**List any control devices associated with this emission unit:**
T-695	E-695	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Product storage – PMPO Storage and ancillary equipment

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
MM/DD/YYYY	2003	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
280,000 gal

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	8000000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	2.9	0.0500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0.0100	0.0005
Styrene	0.0100	0.0005
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Tanks 4.0

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X__ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	Emission Point ID:	List any control devices associated with this emission unit:
T-696	E-696	Atm Vent

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Final Product Storage – PMPO Storage and ancillary equipment

Manufacturer:	Model number:	Serial number:

Construction date:	Installation date:	Modification date(s):
MM/DD/YYYY	1990	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
280,000 gal

Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule:
N/A	5900000 gal/yr	24/7/365

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes __X__ No	If yes, is it? ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	2.9	0.0500
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acrylonitrile	0.0100	0.0005
Styrene	0.0100	0.0005
N/A	N/A	N/A
N/A	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
N/A	N/A	N/A

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

API-42 & EE

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

_X__ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.