State of Ohio Environmental Protection Agency

RE: FINAL PERMIT TO INSTALL **CERTIFIED MAIL**
WASHINGTON COUNTY

Street Address:
122 S. Front Street

Lazarus Gov. Center **TELE:** (614) 644-3020 **FAX:** (614) 644-2329

Mailing Address:
Lazarus Gov. Center
P.O. Box 1049

Application No: 06-07858
Fac ID: 0684020008
DATE: 5/9/2006

Solvay Advanced Polymers, LLC
Mark Potochnik
PO Box 446 Route 7 South
Marietta, OH 45750-0446

Enclosed please find an Ohio EPA Permit to Install which will allow you to install the described source(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, I urge you to read it carefully.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed within thirty (30) days after the notice of the Directors action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
309 South Fourth Street, Room 222
Columbus, Ohio 43215

Sincerely,

Michael W. Ahern

Michael W. Ahern, Manager
Permit Issuance and Data Management Section
Division of Air Pollution Control

CC: **USEPA** **SEDO**

STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

Permit To Install	**Issue Date: 5/9/2006**
Terms and Conditions	**Effective Date: 5/9/2006**

FINAL PERMIT TO INSTALL 06-07858

Application Number:	06-07858
Facility ID:	0684020008
Permit Fee:	**$1250**
Name of Facility:	Solvay Advanced Polymers, LLC
Person to Contact:	Mark Potochnik
Address:	PO Box 446 Route 7 South Marietta, OH 45750-0446

Location of proposed air contaminant source(s) [emissions unit(s)]:
P.O. Box 446, State Route 7 South
Marietta, **Ohio**

Description of proposed emissions unit(s):
Chapter 31 Modification for Multipurpose Polymer Unit (PTI 06-4127 Issued August 17, 1994, and Modified April 13, 2001, and September 28, 2004).

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Joseph P. Koncelik

Director

Part I - GENERAL TERMS AND CONDITIONS

A. State and Federally Enforceable Permit-To-Install General Terms and Conditions

1. Monitoring and Related Recordkeeping and Reporting Requirements

a. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:

i. The date, place (as defined in the permit), and time of sampling or measurements.

ii. The date(s) analyses were performed.

iii. The company or entity that performed the analyses.

iv. The analytical techniques or methods used.

v. The results of such analyses.

vi. The operating conditions existing at the time of sampling or measurement.

b. Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

c. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:

i. Reports of any required monitoring and/or recordkeeping of federally enforceable information shall be submitted to the appropriate Ohio EPA District Office or local air agency.

ii. Quarterly written reports of (i) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be made to

the appropriate Ohio EPA District Office or local air agency. The written reports shall be submitted (i.e., postmarked) quarterly, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. See B.9 below if no deviations occurred during the quarter.

iii. Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted (i.e., postmarked) to the appropriate Ohio EPA District Office or local air agency every six months, by January 31 and July 31 of each year for the previous six calendar months. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.

iv. If this permit is for an emissions unit located at a Title V facility, then each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

d. The permittee shall report actual emissions pursuant to OAC Chapter 3745-78 for the purpose of collecting Air Pollution Control Fees.

2. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction, i.e., upset, of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports shall be submitted pursuant to OAC rule 3745-15-06.

Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emission unit(s) that is (are) served by such control system(s).

3. Risk Management Plans

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Clean Air Act, as amended, 42 U.S.C. 7401 et seq. ("Act"), the permittee shall comply with the requirement to register such a plan.

4. Title IV Provisions

If the permittee is subject to the requirements of 40 CFR Part 72 concerning acid rain, the permittee shall ensure that any affected emissions unit complies with those requirements. Emissions exceeding any allowances that are lawfully held under Title IV of the Act, or any regulations adopted thereunder, are prohibited.

5. Severability Clause

A determination that any term or condition of this permit is invalid shall not invalidate the force or effect of any other term or condition thereof, except to the extent that any other term or condition depends in whole or in part for its operation or implementation upon the term or condition declared invalid.

6. General Requirements

a. The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and re-issuance, or modification

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

c. This permit may be modified, revoked, or revoked and reissued, for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.

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

e. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying or revoking this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

7. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable permit-to-install fees within 30 days after the issuance of any permit-to-install. The permittee shall pay all applicable permit-to-operate fees within thirty days of the issuance of the invoice.

8. Federal and State Enforceability

Only those terms and conditions designated in this permit as federally enforceable, that are required under the Act, or any its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA and the State and by citizens (to the extent allowed by section 304 of the Act) under the Act. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under State law only.

9. Compliance Requirements

a. Any document (including reports) required to be submitted and required by a federally applicable requirement in this permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.

b. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:

i. At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.

ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with ORC section 3704.08.

iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.

iv. As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.

c. The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually, or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:

i. Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.

ii. An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

10. Permit-To-Operate Application

a. If the permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77, the permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).

b. If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this permit is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. Permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within ninety (90) days after commencing operation of the source(s) covered by this permit.

11. Best Available Technology

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

12. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

13. Permit-To-Install

A permit-to-install must be obtained pursuant to OAC Chapter 3745-31 prior to "installation" of "any air contaminant source" as defined in OAC rule 3745-31-01, or "modification", as defined in OAC rule 3745-31-01, of any emissions unit included in this permit.

B. State Only Enforceable Permit-To-Install General Terms and Conditions

1. Compliance Requirements

The emissions unit(s) identified in this Permit shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

2. Reporting Requirements

The permittee shall submit required reports in the following manner:

a. Reports of any required monitoring and/or recordkeeping of state-only enforceable information shall be submitted to the appropriate Ohio EPA District Office or local air agency.

b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from state-only required emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted (i.e., postmarked) quarterly, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

3. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder.

The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

4. Authorization To Install or Modify

If applicable, authorization to install or modify any new or existing emissions unit included in this permit shall terminate within eighteen months of the effective date of the permit if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

5. Construction of New Sources(s)

This permit does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. This permit does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the application and terms and conditions of this permit. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of this permit does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Issuance of this permit is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet the requirements of this permit or cannot meet applicable standards.

6. Public Disclosure

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

7. Applicability

This Permit to Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate application must be made to the Director for the installation or modification of any other emissions unit(s).

8. Construction Compliance Certification

If applicable, the applicant shall provide Ohio EPA with a written certification (see enclosed form if applicable) that the facility has been constructed in accordance with the permit-to-install application and the terms and conditions of the permit-to-install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

9. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations (See Section A of This Permit)

If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly (i.e., postmarked), by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.

C. Permit-To-Install Summary of Allowable Emissions

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

SUMMARY (for informational purposes only)
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

Pollutant	Tons Per Year
VOC (Total)	109.94 (23.16 tpy reduction)
PE	9.01

Part II - FACILITY SPECIFIC TERMS AND CONDITIONS

A. State and Federally Enforceable Permit To Install Facility Specific Terms and Conditions

1. "This subpart," as used in this section, refers to the relevant subpart of 40 CFR Part 63, Subpart FFFF (Miscellaneous Organic Chemical Manufacturing).

2. Section 63.2430 What is the purpose of this subpart?

   This subpart establishes national emission standards for hazardous air pollutants (NESHAP) for miscellaneous organic chemical manufacturing. This subpart also establishes requirements to demonstrate initial and continuous compliance with the emission limits, operating limits, and work practice standards.

3. Section 63.2435 Am I subject to the requirements in this subpart?

   (a) You are subject to the requirements in this subpart if you own or operate miscellaneous organic chemical manufacturing process units (MCPU) that are located at, or are part of, a major source of hazardous air pollutants (HAP) emissions as defined in section 112(a) of the Clean Air Act (CAA).

   (b) An MCPU includes equipment necessary to operate a miscellaneous organic chemical manufacturing process, as defined in section 63.2550, that satisfies all of the conditions specified in paragraphs (b)(1) through (3) of this section. An MCPU also includes any assigned storage tanks and product transfer racks; equipment in open systems that is used to convey or store water having the same concentration and flow characteristics as wastewater; and components such as pumps, compressors, agitators, pressure relief devices, sampling connection systems, open-ended valves or lines, valves, connectors, and instrumentation systems that are used to manufacture any material or family of materials described in paragraphs (b)(1)(i) through (v) of this section.

   (1) The MCPU produces material or family of materials that is described in paragraph (b)(1)(i), (ii), (iii), (iv), or (v) of this section.

   (i) An organic chemical or chemicals classified using the 1987 version of SIC code 282, 283, 284, 285, 286, 287, 289, or 386, except as provided in paragraph (c)(5) of this section.

(ii) An organic chemical or chemicals classified using the 1997 version of NAICS code 325, except as provided in paragraph (c)(5) of this section.

(iii) Quaternary ammonium compounds and ammonium sulfate produced with caprolactam.

(iv) Hydrazine.

(v) Organic solvents classified in any of the SIC or NAICS codes listed in paragraph (b)(1)(i) or (ii) of this section that are recovered using nondedicated solvent recovery operations.

(2) The MCPU processes, uses, or produces any of the organic HAP listed in section 112(b) of the CAA or hydrogen halide and halogen HAP, as defined in section 63.2550.

(3) The MCPU is not an affected source or part of an affected source under another subpart of this part 63, except for process vents from batch operations within a chemical manufacturing process unit (CMPU), as identified in section 63.100(j)(4). For this situation, the MCPU is the same as the CMPU as defined in section 63.100, and you are subject only to the requirements for batch process vents in this subpart.

(c) The requirements in this subpart do not apply to the operations specified in paragraphs (c)(1) through (6) of this section.

(1) Research and development facilities, as defined in section 112(c)(7) of the CAA.

(2) The manufacture of ammonium sulfate as a by-product, if the slurry entering the by-product manufacturing process contains 50 parts per million by weight (ppmw) HAP or less or 10 ppmw benzene or less. You must retain information, data, and analysis to document the HAP concentration in the entering slurry in order to claim this exemption.

(3) The affiliated operations located at an affected source under subparts GG (National Emission Standards for Aerospace Manufacturing and Rework Facilities), KK (National Emission Standards for the Printing and Publishing Industry), JJJJ (NESHAP: Paper and Other Web Coating), future MMMM (NESHAP: Surface Coating of Miscellaneous Metal Parts and Products), and SSSS (NESHAP: Surface Coating of Metal Coil) of this part 63. Affiliated operations include, but are not limited to, mixing or dissolving of coating ingredients; coating mixing for viscosity adjustment, color tint or additive blending, or pH adjustment; cleaning of coating lines and coating line parts; handling and storage of coatings and solvent; and conveyance and treatment of wastewater.

(4) Fabricating operations such as spinning a polymer into its end use.

(5) Production activities described using the 1997 version of NAICS codes 325131, 325181, 325188 (except the requirements do apply to hydrazine), 325314, 325991

(except the requirements do apply to reformulating plastics resins from recycled plastics products), and 325992 (except the requirements do apply to photographic chemicals).

(6) Tall oil recovery systems.

(d) If the predominant use of a transfer rack loading arm or storage tank (including storage tanks in series) is associated with a miscellaneous organic chemical manufacturing process, and the loading arm or storage tank is not part of an affected source under a subpart of this part 63, then you must assign the loading arm or storage tank to the MCPU for that miscellaneous organic chemical manufacturing process. If the predominant use cannot be determined, then you may assign the loading arm or storage tank to any MCPU that shares it and is subject to this subpart. If the use varies from year to year, then you must base the determination on the utilization that occurred during the year preceding November 10, 2003 or, if the loading arm or storage tank was not in operation during that year, you must base the use on the expected use for the first 5-year period after startup. You must include the determination in the notification of compliance status report specified in section 63.2520(d). You must redetermine the primary use at least once every 5 years, or any time you implement emissions averaging or pollution prevention after the compliance date.

(e) For nondedicated equipment used to create at least one MCPU, you may elect to develop process unit groups (PUG), determine the primary product of each PUG, and comply with the requirements of the subpart in 40 CFR part 63 that applies to that primary product as specified in section 63.2535(l).

4. Section 63.2440 What parts of my plant does this subpart cover?

(a) This subpart applies to each miscellaneous organic chemical manufacturing affected source.

(b) The miscellaneous organic chemical manufacturing affected source is the facility wide collection of MCPU and heat exchange systems, wastewater, and waste management units that are associated with manufacturing materials described in section 63.2435(b)(1).

(c) A new affected source is described by either paragraph (c)(1) or (2) of this section.

(1) Each affected source defined in paragraph (b) of this section for which you commenced construction or reconstruction after April 4, 2002, and you meet the applicability criteria at the time you commenced construction or reconstruction.

(2) Each dedicated MCPU that has the potential to emit 10 tons per year (tpy) of any one HAP or 25 tpy of combined HAP, and you commenced construction or reconstruction of the MCPU after April 4, 2002. For the purposes of this paragraph, an

MCPU is an affected source in the definition of the term "reconstruction" in section 63.2.

(d) An MCPU that is also a CMPU under section 63.100 is reconstructed for the purposes of this subpart if, and only if, the CMPU meets the requirements for reconstruction in section 63.100(l)(2).

5. Compliance Dates

Section 63.2445 When do I have to comply with this subpart?

(a) If you have a new affected source, you must comply with this subpart according to the requirements in paragraphs (a)(1) and (2) of this section.

(1) If you startup your new affected source before November 10, 2003, then you must comply with the requirements for new sources in this subpart no later than November 10, 2003.

(2) If you startup your new affected source after November 10, 2003, then you must comply with the requirements for new sources in this subpart upon startup of your affected source.

(b) If you have an existing source on November 10, 2003, you must comply with the requirements for existing sources in this subpart no later than November 10, 2006.

(c) You must meet the notification requirements in section 63.2515 according to the schedule in section 63.2515 and in 40 CFR part 63, subpart A. Some of the notifications must be submitted before you are required to comply with the emission limits, operating limits, and work practice standards in this subpart.

6. Emission Limits, Work Practice Standards, and Compliance Requirements

Section 63.2450 What are my general requirements for complying with this subpart?

(a) You must be in compliance with the emission limits and work practice standards in Tables 1 through 7 to this subpart at all times, except during periods of startup, shutdown, and malfunction (SSM), and you must meet the requirements specified in sections 63.2455 through 63.2490 (or the alternative means of compliance in section 63.2495, section 63.2500, or section 63.2505), except as specified in paragraphs (b) through (s) of this section. You must meet the notification, reporting, and recordkeeping

requirements specified in sections 63.2515, 63.2520, and 63.2525.

(b) Determine halogenated vent streams. You must determine if an emission stream is a halogenated vent stream, as defined in section 63.2550, by calculating the mass emission rate of halogen atoms in accordance with section 63.115(d)(2)(v). Alternatively, you may elect to designate the emission stream as halogenated.

(c) Requirements for combined emission streams. When organic HAP emissions from different emission types (e.g., continuous process vents, batch process vents, storage tanks, transfer operations, and waste management units) are combined, you must comply with the requirements of either paragraph (c)(1) or (2) of this section.

(1) Comply with the applicable requirements of this subpart for each kind of organic HAP emissions in the stream (e.g., the requirements of Table 1 to this subpart for continuous process vents and the requirements of Table 4 to this subpart for emissions from storage tanks).

(2) Determine the applicable requirements based on the hierarchy presented in paragraphs (c)(2)(i) through (vi) of this section. For a combined stream, the applicable requirements are specified in the highest-listed paragraph in the hierarchy that applies to any of the individual streams that make up the combined stream. For example, if a combined stream consists of emissions from Group 1 batch process vents and any other type of emission stream, then you must comply with the requirements in paragraph (c)(2)(i) of this section for the combined stream; compliance with the requirements in paragraph (c)(2)(i) of this section constitutes compliance for the other emission streams in the combined stream. Two exceptions are that you must comply with the requirements in Table 3 to this subpart and section 63.2465 for all process vents with hydrogen halide and halogen HAP emissions, and recordkeeping requirements for Group 2 applicability or compliance are still required (e.g., the requirement in section 63.2525(f) to track the number of batches produced and calculate rolling annual emissions for processes with Group 2 batch process vents).

(i) The requirements of Table 2 to this subpart and section 63.2460 for Group 1 batch process vents, including applicable monitoring, recordkeeping, and reporting.

(ii) The requirements of Table 1 to this subpart and section 63.2455 for continuous process vents that are routed to a control device, as defined in section 63.981, including applicable monitoring, recordkeeping, and reporting.

(iii) The requirements of Table 5 to this subpart and section 63.2475 for transfer operations, including applicable monitoring, recordkeeping, and reporting.

(iv) The requirements of Table 7 to this subpart and section 63.2485 for emissions from waste management units that are used to manage and treat Group 1 wastewater streams and residuals from Group 1 wastewater streams, including applicable

monitoring, recordkeeping, and reporting.

(v) The requirements of Table 4 to this subpart and section 63.2470 for control of emissions from storage tanks, including applicable monitoring, recordkeeping, and reporting.

(vi) The requirements of Table 1 to this subpart and section 63.2455 for continuous process vents after a recovery device including applicable monitoring, recordkeeping, and reporting.

(d) Except when complying with section 63.2485, if you reduce organic HAP emissions by venting emissions through a closed-vent system to any combination of control devices (except a flare) or recovery devices, you must meet the requirements of section 63.982(c) and the requirements referenced therein.

(e) Except when complying with section 63.2485, if you reduce organic HAP emissions by venting emissions through a closed-vent system to a flare, you must meet the requirements of section 63.982(b) and the requirements referenced therein.

(f) If you use a halogen reduction device to reduce hydrogen halide and halogen HAP emissions from halogenated vent streams, you must meet the requirements of section 63.994 and the requirements referenced therein. If you use a halogen reduction device before a combustion device, you must determine the halogen atom emission rate prior to the combustion device according to the procedures in section 63.115(d)(2)(v).

(g) Requirements for performance tests. The requirements specified in paragraphs (g)(1) through (5) of this section apply instead of or in addition to the requirements specified in subpart SS of this part 63.

(1) Conduct gas molecular weight analysis using Method 3, 3A, or 3B in appendix A to part 60 of this chapter.

(2) Measure moisture content of the stack gas using Method 4 in appendix A to part 60 of this chapter.

(3) If the uncontrolled or inlet gas stream to the control device contains carbon disulfide, you must conduct emissions testing according to paragraph (g)(3)(i) or (ii) of this section.

(i) If you elect to comply with the percent reduction emission limits in Tables 1 through

7 to this subpart, and carbon disulfide is the principal organic HAP component (i.e., greater than 50 percent of the HAP in the stream by volume), then you must use Method 18, or Method 15 (40 CFR part 60, appendix A) to measure carbon disulfide at the inlet and outlet of the control device. Use the percent reduction in carbon disulfide as a surrogate for the percent reduction in total organic HAP emissions.

(ii) If you elect to comply with the outlet total organic compound (TOC) concentration emission limits in Tables 1 through 7 to this subpart, and the uncontrolled or inlet gas stream to the control device contains greater than 10 percent (volume concentration) carbon disulfide, you must use Method 18 or Method 15 to separately determine the carbon disulfide concentration. Calculate the total HAP or TOC emissions by totaling the carbon disulfide emissions measured using Method 18 or 15 and the other HAP emissions measured using Method 18 or 25A.

(4) As an alternative to using Method 18, Method 25/25A, or Method 26/26A of 40 CFR part 60, appendix A, to comply with any of the emission limits specified in Tables 1 through 7 to this subpart, you may use Method 320 of 40 CFR part 60, appendix A. When using Method 320, you must follow the analyte spiking procedures of section 13 of Method 320, unless you demonstrate that the complete spiking procedure has been conducted at a similar source.

(5) Section 63.997(c)(1) does not apply. For the purposes of this subpart, results of all initial compliance demonstrations must be included in the notification of compliance status report, which is due 150 days after the compliance date, as specified in section 63.2520(d)(1).

(h) Design evaluation. To determine the percent reduction of a small control device, you may elect to conduct a design evaluation as specified in section 63.1257(a)(1) instead of a performance test as specified in subpart SS of this part 63. You must establish the value(s) and basis for the operating limits as part of the design evaluation.

(i) Outlet concentration correction for combustion devices. When section 63.997(e)(2)(iii)(C) requires you to correct the measured concentration at the outlet of a combustion device to 3 percent oxygen if you add supplemental combustion air, the requirements in either paragraph (i)(1) or (2) of this section apply for the purposes of this subpart.

(1) You must correct the concentration in the gas stream at the outlet of the combustion device to 3 percent oxygen if you add supplemental gases, as defined in section 63.2550, to the vent stream, or;

(2) You must correct the measured concentration for supplemental gases using Equation 1 of section 63.2460; you may use process knowledge and representative operating data to determine the fraction of the total flow due to supplemental gas.

(j) Continuous emissions monitoring systems. Each continuous emissions monitoring system (CEMS) must be installed, operated, and maintained according to the requirements in section 63.8 and paragraphs (j)(1) through (5) of this section.

(1) Each CEMS must be installed, operated, and maintained according to the applicable Performance Specification of 40 CFR part 60, appendix B, and according to paragraph (j)(2) of this section, except as specified in paragraph (j)(1)(i) of this section. For any CEMS meeting Performance Specification 8, you must also comply with appendix F, procedure 1 of 40 CFR part 60.

(i) If you wish to use a CEMS other than an Fourier Transform Infrared Spectroscopy (FTIR) meeting the requirements of Performance Specification 15 to measure hydrogen halide and halogen HAP before we promulgate a Performance Specification for such CEMS, you must prepare a monitoring plan and submit it for approval in accordance with the procedures specified in section 63.8.

(ii) [Reserved]

(2) You must determine the calibration gases and reporting units for TOC CEMS in accordance with paragraph (j)(2)(i), (ii), or (iii) of this section.

(i) For CEMS meeting Performance Specification 9 or 15 requirements, determine the target analyte(s) for calibration using either process knowledge of the control device inlet stream or the screening procedures of Method 18 on the control device inlet stream.

(ii) For CEMS meeting Performance Specification 8 used to monitor performance of a combustion device, calibrate the instrument on the predominant organic HAP and report the results as carbon © 1), and use Method 25A or any approved alternative as the reference method for the relative accuracy tests.

(iii) For CEMS meeting Performance Specification 8 used to monitor performance of a noncombustion device, determine the predominant organic HAP using either process knowledge or the screening procedures of Method 18 on the control device inlet stream, calibrate the monitor on the predominant organic HAP, and report the results as C1. Use Method 18, ASTM D6420–99, or any approved alternative as the reference method for the relative accuracy tests, and report the results as C1.

(3) You must conduct a performance evaluation of each CEMS according to the requirements in 40 CFR 63.8 and according to the applicable Performance Specification of 40 CFR part 60, appendix B, except that the schedule in section 63.8(e)(4) does not apply, and the results of the performance evaluation must be included in the notification of compliance status report.

(4) The CEMS data must be reduced to operating day or operating block averages

computed using valid data consistent with the data availability requirements specified in section 63.999(c)(6)(i)(B) through (D), except monitoring data also are sufficient to constitute a valid hour of data if measured values are available for at least two of the 15-minute periods during an hour when calibration, quality assurance, or maintenance activities are being performed. An operating block is a period of time from the beginning to end of batch operations within a process. Operating block averages may be used only for batch process vent data.

(5) If you add supplemental gases, you must correct the measured concentrations in accordance with paragraph (i) of this section and section 63.2460(c)(6).

(k) Continuous parameter monitoring. The provisions in paragraphs (k)(1) through (4) of this section apply in addition to the requirements for continuous parameter monitoring system (CPMS) in subpart SS of this part 63.

(1) You must record the results of each calibration check and all maintenance performed on the CPMS as specified in section 63.998(c)(1)(ii)(A).

(2) When subpart SS of this part 63 uses the term "a range" or "operating range" of a monitored parameter, it means an "operating limit" for a monitored parameter for the purposes of this subpart.

(3) As an alternative to measuring pH as specified in section 63.994(c)(1)(i), you may elect to continuously monitor the caustic strength of the scrubber effluent.

(4) As an alternative to the inlet and outlet temperature monitoring requirements for catalytic incinerators as specified in section 63.988(c)(2), you may elect to comply with the requirements specified in paragraphs (k)(4)(i) through (iii) of this section.

(i) Monitor the inlet temperature as specified in subpart SS of this part 63.

(ii) Check the activity level of the catalyst at least every 12 months and take any necessary corrective action, such as replacing the catalyst to ensure that the catalyst is performing as designed.

(iii) Maintain records of the annual checks of catalyst activity levels and the subsequent corrective actions.

(l) Startup, shutdown, and malfunction. sections 63.152(f)(7)(ii) through (iv) and 63.998(b)(2)(iii) and (b)(6)(i)(A), which apply to the exclusion of monitoring data

collected during periods of SSM from daily averages, do not apply for the purposes of this subpart.

(m) Reporting. (1) When sections 63.2455 through 63.2490 reference other subparts in this part 63 that use the term "periodic report," it means "compliance report" for the purposes of this subpart. The compliance report must include the information specified in section 63.2520(e), as well as the information specified in referenced subparts.

(2) When there are conflicts between this subpart and referenced subparts for the due dates of reports required by this subpart, reports must be submitted according to the due dates presented in this subpart.

(3) Excused excursions, as defined in subparts G and SS of this part 63, are not allowed.

(n) [Reserved]

(o) You may not use a flare to control halogenated vent streams or hydrogen halide and halogen HAP emissions.

(p) Opening a safety device, as defined in section 63.2550, is allowed at any time conditions require it to avoid unsafe conditions.

(q) If an emission stream contains energetics or organic peroxides that, for safety reasons, cannot meet an applicable emission limit specified in Tables 1 through 7 to this subpart, then you must submit documentation in your precompliance report explaining why an undue safety hazard would be created if the air emission controls were installed, and you must describe the procedures that you will implement to minimize HAP emissions from these vent streams.

(r) Surge control vessels and bottoms receivers. For each surge control vessel or bottoms receiver that meets the capacity and vapor pressure thresholds for a Group 1 storage tank, you must meet emission limits and work practice standards specified in Table 4 to this subpart.

(s) For the purposes of determining Group status for continuous process vents, batch process vents, and storage tanks in sections 63.2455, 63.2460, and 63.2470, hydrazine is to be considered an organic HAP.

7. Section 63.2455 What requirements must I meet for continuous process vents?

(a) You must meet each emission limit in Table 1 to this subpart that applies to your continuous process vents, and you must meet each applicable requirement specified in paragraphs (b) through (c) of this section.

(b) For each continuous process vent, you must either designate the vent as a Group 1 continuous process vent or determine the total resource effectiveness (TRE) index value as specified in section 63.115(d), except as specified in paragraphs (b)(1) through (3) of this section.

(1) You are not required to determine the Group status or the TRE index value for any continuous process vent that is combined with Group 1 batch process vents before a control device or recovery device because the requirements of section 63.2450(c)(2)(i) apply to the combined stream.

(2) When a TRE index value of 4.0 is referred to in section 63.115(d), TRE index values of 5.0 for existing affected sources and 8.0 for new and reconstructed affected sources apply for the purposes of this subpart.

(3) When section 63.115(d) refers to "emission reductions specified in section 63.113(a)," the reductions specified in Table 1 to this subpart apply for the purposes of this subpart.

(c) If you use a recovery device to maintain the TRE above a specified threshold, you must meet the requirements of section 63.982(e) and the requirements referenced therein, except as specified in section 63.2450 and paragraph (c)(1) of this section.

(1) When section 63.993 uses the phrase "the TRE index value is between the level specified in a referencing subpart and 4.0," the phrase "the TRE index value is >1.9 but =5.0" applies for an existing affected source, and the phrase "the TRE index value is >5.0 but =8.0" applies for a new and reconstructed affected source, for the purposes of this subpart.

(2) [Reserved]

8. Section 63.2460 What requirements must I meet for batch process vents?

(a) You must meet each emission limit in Table 2 to this subpart that applies to you, and you must meet each applicable requirement specified in paragraphs (b) and (c) of this section.

(b) Group status. If a process has batch process vents, as defined in section 63.2550, you must determine the group status of the batch process vents by determining and summing the uncontrolled organic HAP emissions from each of the batch process vents within the process using the procedures specified in section 63.1257(d)(2)(i) and (ii),

except as specified in paragraphs (b)(1) through (4) of this section.

(1) To calculate emissions caused by the heating of a vessel to a temperature lower than the boiling point, you must use the procedures in section 63.1257(d)(2)(i)(C)(3).

(2) To calculate emissions from depressurization, you must use the procedures in section 63.1257(d)(2)(i)(D)(10).

(3) To calculate emissions from vacuum systems for the purposes of this subpart, the receiving vessel is part of the vacuum system, and terms used in Equation 33 to 40 CFR part 63, subpart GGG, are defined as follows:

P system = absolute pressure of receiving vessel;

P i = partial pressure of the HAP at the receiver temperature;

P j = partial pressure of condensable (including HAP) at the receiver temperature;

MW i = molecular weight of the individual HAP in the emission stream, with HAP partial pressures calculated at the temperature of the receiver.

(4) You may elect to designate the batch process vents within a process as Group 1 and not calculate uncontrolled emissions under either of the situations in paragraph (b)(4)(i), (ii), or (iii) of this section.

(i) If you comply with the alternative standard specified in section 63.2505.

(ii) If all Group 1 batch process vents within a process are controlled; you conduct the performance test under hypothetical worst case conditions, as defined in section 63.1257(b)(8)(i)(B); and the emission profile is based on capture and control system limitations as specified in section 63.1257(b)(8)(ii)(C).

(iii) If you comply with an emission limit using a flare that meets the requirements specified in section 63.987.

(c) Exceptions to the requirements in subpart SS of this part 63 are specified in paragraphs (c)(1) through (7) of this section.

(1) Process condensers. Process condensers, as defined in section 63.1251, are not considered to be control devices for batch process vents.

(2) Initial compliance. (i) To demonstrate initial compliance with a percent reduction emission limit in Table 2 to this subpart FFFF, you must compare the sums of the controlled and uncontrolled emissions for the applicable Group 1 batch process vents within the process, and show that the specified reduction is met. This requirement does

not apply if you comply with the emission limits of Table 2 to this subpart FFFF by using a flare that meets the requirements of section 63.987.

(ii) When you conduct a performance test or design evaluation for a non-flare control device used to control emissions from batch process vents, you must establish emission profiles and conduct the test under worst-case conditions according to section 63.1257(b)(8) instead of under normal operating conditions as specified in section 63.7(e)(1). The requirements in section 63.997(e)(1)(i) and (iii) also do not apply for performance tests conducted to determine compliance with the emission limits for batch process vents. For purposes of this subpart FFFF, references in section 63.997(b)(1) to "methods specified in section 63.997(e)" include the methods specified in section 63.1257(b)(8).

(iii) As an alternative to conducting a performance test or design evaluation for a condenser, you may determine controlled emissions using the procedures specified in section 63.1257(d)(3)(i)(B).

(iv) When section 63.1257(d)(3)(i)(B)(7) specifies that condenser-controlled emissions from an air dryer must be calculated using Equation 11 of 40 CFR part 63, subpart GGG, with "V equal to the air flow rate," it means "V equal to the dryer outlet gas flow rate," for the purposes of this subpart. Alternatively, you may use Equation 12 of 40 CFR part 63, subpart GGG, with V equal to the dryer inlet air flow rate. Account for time as appropriate in either equation.

(v) You must demonstrate that each process condenser is properly operated according to the procedures specified in section 63.1257(d)(2)(i)(C)(4)(ii) and (d)(3)(iii)(B). The reference in section 63.1257(d)(3)(iii)(B) to the alternative standard in section 63.1254(c) means section 63.2505 for the purposes of this subpart. As an alternative to measuring the exhaust gas temperature, as required by section 63.1257(d)(3)(iii)(B), you may elect to measure the liquid temperature in the receiver.

(vi) You must conduct a subsequent performance test or compliance demonstration equivalent to an initial compliance demonstration within 180 days of a change in the worst-case conditions.

(3) Establishing operating limits. You must establish operating limits under the conditions required for your initial compliance demonstration, except you may elect to establish operating limit(s) for conditions other than those under which a performance test was conducted as specified in paragraph (c)(3)(i) of this section and, if applicable, paragraph (c)(3)(ii) of this section.

(i) The operating limits may be based on the results of the performance test and supplementary information such as engineering assessments and manufacturer's recommendations. These limits may be established for conditions as unique as individual emission episodes for a batch process. You must provide rationale in the precompliance report for the specific level for each operating limit, including any data and calculations used to develop the limit and a description of why the limit indicates proper operation of the control device. The procedures provided in this paragraph (c)(3)(i) have not been approved by the Administrator and determination of the operating limit using these procedures is subject to review and approval by the Administrator.

(ii) If you elect to establish separate monitoring levels for different emission episodes within a batch process, you must maintain records in your daily schedule or log of processes indicating each point at which you change from one operating limit to another, even if the duration of the monitoring for an operating limit is less than 15 minutes. You must maintain a daily schedule or log of processes according to section 63.2525(c).

(4) Averaging periods. As an alternative to the requirement for daily averages in section 63.998(b)(3), you may determine averages for operating blocks. An operating block is a period of time that is equal to the time from the beginning to end of batch process operations within a process.

(5) Periodic verification. For a control device with total inlet HAP emissions less than 1 tpy, you must establish an operating limit(s) for a parameter(s) that you will measure and record at least once per averaging period (i.e., daily or block) to verify that the control device is operating properly. You may elect to measure the same parameter(s) that is required for control devices that control inlet HAP emissions equal to or greater than 1 tpy. If the parameter will not be measured continuously, you must request approval of your proposed procedure in the precompliance report. You must identify the operating limit(s) and the measurement frequency, and you must provide rationale to support how these measurements demonstrate the control device is operating properly.

(6) Outlet concentration correction for supplemental gases. If you use a control device other than a combustion device to comply with a TOC, organic HAP, or hydrogen halide and halogen HAP outlet concentration emission limit for batch process vents, you must correct the actual concentration for supplemental gases using Equation 1 of this section, which is included in the text of Attachment A hereto, and is hereby incorporated into this term as if fully rewritten; you may use process knowledge and representative operating data to determine the fraction of the total flow due to supplemental gas.

(7) If flow to a control device could be intermittent, you must install, calibrate, and operate a flow indicator at the inlet or outlet of the control device to identify periods of

no flow. Periods of no flow may not be used in daily or block averages, and it may not be used in fulfilling a minimum data availability requirement.

9. Section 63.2465 What requirements must I meet for process vents that emit hydrogen halide and halogen HAP or PM HAP?

(a) You must meet each emission limit in Table 3 to this subpart that applies to you, and you must meet each applicable requirement in paragraphs (b) through (d) of this section.

(b) If any process vents within a process emit hydrogen halide and halogen HAP, you must determine and sum the uncontrolled hydrogen halide and halogen HAP emissions from each of the process vents within the process using the procedures specified in section 63.1257(d)(2)(i) and (ii).

(c) If collective uncontrolled hydrogen halide and halogen HAP emissions from the process vents within a process are greater than or equal to 1,000 pounds per year (lb/yr), you must comply with section 63.994 and the requirements referenced therein, except as specified in paragraphs (c)(1) through (3) of this section.

(1) When section 63.994(b)(1) requires a performance test, you may elect to conduct a design evaluation in accordance with section 63.1257(a)(1).

(2) When section 63.994(b)(1) refers to "a combustion device followed by a halogen scrubber or other halogen reduction device," it means any combination of control devices used to meet the emission limits specified in Table 3 to this subpart.

(3) Section 63.994(b)(2) does not apply for the purposes of this section.

(d) To demonstrate compliance with the particulate matter (PM) HAP emission limit for new sources in Table 3 to this subpart, you must comply with paragraphs (d)(1) and (2) of this section.

(1) Use Method 5 of appendix A of 40 CFR part 60 to determine the concentration of PM HAP at the inlet and outlet of a control device.

(2) Comply with the monitoring requirements specified in section 63.1366(b)(1)(xi) for each fabric filter used to control PM HAP emissions.

10. Section 63.2470 What requirements must I meet for storage tanks?

(a) You must meet each emission limit in Table 4 to this subpart that applies to your storage tanks, and you must meet each applicable requirement specified in paragraphs (b) through (e) of this section.

(b) If you reduce organic HAP emissions by venting emissions to a fuel gas system or process, you must meet the requirements of section 63.982(d) and the requirements referenced therein.

(c) Exceptions to subparts SS and WW of this part 63.

(1) If you conduct a performance test or design evaluation for a control device used to control emissions only from storage tanks, you must establish operating limits, conduct monitoring, and keep records using the same procedures as required in subpart SS of this part 63 for control devices used to reduce emissions from process vents instead of the procedures specified in sections 63.985(c), 63.998(d)(2)(i), and 63.999(b)(2).

(2) When the term "storage vessel" is used in subparts SS and WW of this part 63, the term "storage tank," as defined in section 63.2550 applies for the purposes of this subpart.

(d) Planned routine maintenance. The emission limits in Table 4 to this subpart for control devices used to control emissions from storage tanks do not apply during periods of planned routine maintenance. Periods of planned routine maintenance of each control device, during which the control device does not meet the emission limit specified in Table 4 to this subpart, must not exceed 240 hours per year (hr/yr). You may submit an application to the Administrator requesting an extension of this time limit to a total of 360 hr/yr. The application must explain why the extension is needed, it must indicate that no material will be added to the storage tank between the time the 240-hr limit is exceeded and the control device is again operational, and it must be submitted at least 60 days before the 240-hr limit will be exceeded.

(e) Vapor balancing alternative. As an alternative to the emission limits specified in Table 4 to this subpart, you may elect to implement vapor balancing in accordance with section 63.1253(f), except as specified in paragraphs (e)(1) through (3) of this section.

(1) When section 63.1253(f)(6)(i) refers to a 90 percent reduction, 95 percent applies for the purposes of this subpart.

(2) To comply with section 63.1253(f)(6)(i), the owner or operator of an offsite cleaning and reloading facility must comply with sections 63.2445 through 63.2550 instead of complying with section 63.1253(f)(7)(ii).

(3) You may elect to set a pressure relief device to a value less than the 2.5 pounds per square inch gage pressure (psig) required in section 63.1253(f)(5) if you provide

rationale in your notification of compliance status report explaining why the alternative value is sufficient to prevent breathing losses at all times.

(4) You may comply with the vapor balancing alternative in section 63.1253(f) when your storage tank is filled from a barge. All requirements for tank trucks and railcars specified in section 63.1253(f) also apply to barges, except as specified in section 63.2470(e)(4)(i).

(i) When section 63.1253(f)(2) refers to pressure testing certifications, the requirements in 40 CFR 61.304(f) apply for barges.

(ii) [Reserved]

11. Section 63.2475 What requirements must I meet for transfer racks?

(a) You must comply with each emission limit and work practice standard in Table 5 to this subpart that applies to your transfer racks, and you must meet each applicable requirement in paragraphs (b) and (c) of this section.

(b) When the term "high throughput transfer rack" is used in subpart SS of this part 63, the term "Group 1 transfer rack," as defined in section 63.2550, applies for the purposes of this subpart.

(c) If you reduce organic HAP emissions by venting emissions to a fuel gas system or process, you must meet the requirements of section 63.982(d) and the requirements referenced therein.

12. Section 63.2480 What requirements must I meet for equipment leaks?

(a) You must meet each requirement in Table 6 to this subpart that applies to your equipment leaks, except as specified in paragraphs (b) and (c) of this section.

(b) The requirements for pressure testing in section 63.1036(b) may be applied to all processes, not just batch processes.

(c) For the purposes of this subpart, pressure testing for leaks in accordance with section 63.1036(b) is not required after reconfiguration of an equipment train if flexible hose connections are the only disturbed equipment.

13. Section 63.2485 What requirements must I meet for wastewater streams and liquid streams in open systems within an MCPU?

(a) You must meet each requirement in Table 7 to this subpart that applies to your wastewater streams and liquid streams in open systems within an MCPU, except as specified in paragraphs (b) through (l) of this section.

(b) Wastewater HAP. Where section 63.105 and sections 63.132 through 63.148 refer to compounds in Table 9 of subpart G of this part 63, the compounds in Tables 8 and 9 to this subpart apply for the purposes of this subpart.

(c) Group 1 wastewater. Section 63.132(c)(1) (i) and (ii) do not apply. For the purposes of this subpart, a process wastewater stream is Group 1 for compounds in Tables 8 and 9 to this subpart if any of the conditions specified in paragraphs (c) (1) through (3) of this section are met.

(1) The total annual average concentration of compounds in Table 8 to this subpart is greater than 50 ppmw, and the combined total annual average concentration of compounds in Tables 8 and 9 to this subpart is greater than or equal to 10,000 ppmw at any flowrate.

(2) The total annual average concentration of compounds Table 8 to this subpart is greater 50 ppmw, the combined total annual average concentration of compounds in Tables 8 and 9 to this subpart is greater than or equal to 1,000 ppmw, and the annual average flowrate is greater than or equal to 1 l/min.

(3) The total annual average concentration of compounds in Table 8 to this subpart is less than or equal to 50 ppmw, the total annual average concentration of compounds in Table 9 to this subpart is greater than or equal to 30,000 ppmw at an existing source or greater than or equal to 4,500 ppmw at a new source, and the total annual load of compounds in Table 9 to this subpart is greater than or equal to 1 tpy.

(4) Effluent from a water scrubber or any other control device that has been used to comply with an emission limit for process vents specified in Table 1 or Table 2 to this subpart FFFF, provided the process vent emission stream is Group 1 for HAP listed in Table 8 to this subpart FFFF.

(d) Wastewater tank requirements. (1) When sections 63.133 and 63.147 reference floating roof requirements in sections 63.119 and 63.120, the corresponding requirements in subpart WW of this part 63 may be applied for the purposes of this subpart.

(2) When section 63.133(a) refers to Table 10 of subpart G of this part 63, the maximum true vapor pressure in the table shall be limited to the HAP listed in Tables 8 and 9 of this subpart FFFF.

(3) For the purposes of this subpart, the requirements of section 63.133(a)(2) are satisfied by operating and maintaining a fixed roof if you demonstrate that the total soluble and partially soluble HAP emissions from the wastewater tank are no more than 5 percent higher than the emissions would be if the contents of the wastewater tank were not heated, treated by an exothermic reaction, or sparged.

(4) The emission limits specified in sections 63.133(b)(2) and 63.139 for control devices used to control emissions from wastewater tanks do not apply during periods of planned routine maintenance of the control device(s) of no more than 240 hr/yr. You may request an extension to a total of 360 hr/yr in accordance with the procedures specified in section 63.2470(d).

(e) Individual drain systems. The provisions of section 63.136(e)(3) apply except as specified in paragraph (e)(1) of this section.

(1) A sewer line connected to drains that are in compliance with section 63.136(e)(1) may be vented to the atmosphere, provided that the sewer line entrance to the first downstream junction box is water sealed and the sewer line vent pipe is designed as specified in section 63.136(e)(2)(ii)(A).

(2) [Reserved]

(f) Closed-vent system requirements. When section 63.148(k) refers to closed vent systems that are subject to the requirements of section 63.172, the requirements of either section 63.172 or section 63.1034 apply for the purposes of this subpart.

(g) Halogenated vent stream requirements. For each halogenated vent stream from a Group 1 wastewater stream or residual removed from a Group 1 wastewater stream that is vented through a closed-vent system to a combustion device to reduce organic HAP emissions, you must meet the same emission limits as specified for batch process vents in item 2 of Table 2 to this subpart.

(h) Alternative test methods. (1) As an alternative to the test methods specified in section 63.144(b)(5)(i), you may use Method 8260 or 8270 as specified in section 63.1257(b)(10)(iii).

(2) As an alternative to using the methods specified in section 63.144(b)(5)(i), you may conduct wastewater analyses using Method 1666 or 1671 of 40 CFR part 136 and comply with the sampling protocol requirements specified in section 63.144(b)(5)(ii). The validation requirements specified in section 63.144(b)(5)(iii) do not apply if you use Method 1666 or 1671 of 40 CFR part 136.

(3) As an alternative to using Method 18 of 40 CFR part 60, as specified in sections 63.139(c)(1)(ii) and 63.145(i)(2), you may elect to use Method 25A of 40 CFR part 60 as specified in section 63.997.

(i) Offsite management and treatment option. (1) If you ship wastewater to an offsite treatment facility that meets the requirements of section 63.138(h), you may elect to document in your notification of compliance status report that the wastewater will be treated as hazardous waste at a facility that meets the requirements of section 63.138(h) as an alternative to having the offsite facility submit the certification specified in section 63.132(g)(2).

(2) As an alternative to the management and treatment options specified in section 63.132(g)(2), any affected wastewater stream (or residual removed from an affected wastewater stream) with a total annual average concentration of compounds in Table 8 to this subpart less than 50 ppmw may be transferred offsite in accordance with paragraphs (i)(2) (i) and (ii) of this section.

(i) The transferee (or you) must demonstrate that less than 5 percent of the HAP in Table 9 to this subpart is emitted from the waste management units up to the activated sludge unit.

(ii) The transferee must treat the wastewater stream or residual in a biological treatment unit in accordance with sections 63.138 and 63.145 and the requirements referenced therein.

(j) You must determine the annual average concentration and annual average flowrate for wastewater streams for each MCPU. The procedures for flexible operation units specified in section 63.144 (b) and (c) do not apply for the purposes of this subpart.

(k) The requirement to correct outlet concentrations from combustion devices to 3 percent oxygen in sections 63.139(c)(1)(ii) and 63.146(i)(6) applies only if supplemental gases are combined with a vent stream from a Group 1 wastewater stream. If emissions are controlled with a vapor recovery system as specified in section 63.139(c)(2), you must correct for supplemental gases as specified in section 63.2460(c)(6).

(l) Requirements for liquid streams in open systems. (1) References in section 63.149 to section 63.100(b) mean section 63.2435(b) for the purposes of this subpart.

(2) When section 63.149(e) refers to 40 CFR 63.100(l) (1) or (2), section 63.2445(a) applies for the purposes of this subpart.

(3) When section 63.149 uses the term "chemical manufacturing process unit," the term

"MCPU" applies for the purposes of this subpart.

(4) When section 63.149(e)(1) refers to characteristics of water that contain compounds in Table 9 to 40 CFR part 63, subpart G, the characteristics specified in paragraphs (c) (1) through (3) of this section apply for the purposes of this subpart.

(5) When section 63.149(e)(2) refers to characteristics of water that contain compounds in Table 9 to 40 CFR part 63, subpart G, the characteristics specified in paragraph (c)(2) of this section apply for the purposes of this subpart.

14. Section 63.2490 What requirements must I meet for heat exchange systems?

(a) You must comply with each requirement in Table 10 to this subpart that applies to your heat exchange systems, except as specified in paragraphs (b) and (c) of this section.

(b) The phrase "a chemical manufacturing process unit meeting the conditions of section 63.100 (b)(1) through (b)(3) of this section" in section 63.104(a) means "an MCPU meeting the conditions of section 63.2435" for the purposes of this subpart.

(c) The reference to section 63.100(c) in section 63.104(a) does not apply for the purposes of this subpart.

15. Alternative Means of Compliance

Section 63.2495 How do I comply with the pollution prevention standard?

(a) You may elect to comply with the pollution prevention alternative requirements specified in paragraphs (a) (1) and (2) of this section in lieu of the emission limitations and work practice standards contained in Tables 1 through 7 to this subpart for any MCPU for which initial startup occurred before April 4, 2002.

(1) You must reduce the production-indexed HAP consumption factor (HAP factor) by at least 65 percent from a 3-year average baseline beginning no earlier than the 1994 through 1996 calendar years. For any reduction in the HAP factor that you achieve by reducing HAP that are also volatile organic compounds (VOC), you must demonstrate an equivalent reduction in the production-indexed VOC consumption factor (VOC factor) on a mass basis. For any reduction in the HAP factor that you achieve by reducing a HAP that is not a VOC, you may not increase the VOC factor.

(2) Any MCPU for which you seek to comply by using the pollution prevention alternative must begin with the same starting material(s) and end with the same product(s). You may not comply by eliminating any steps of a process by transferring the step offsite (to another manufacturing location). You may also not merge a solvent recovery step conducted offsite to onsite and as part of an existing process as a

method of reducing consumption.

(3) You may comply with the requirements of paragraph (a)(1) of this section for a series of processes, including situations where multiple processes are merged, if you demonstrate to the satisfaction of the Administrator that the multiple processes were merged after the baseline period into an existing process or processes.

(b) Exclusions. (1) You must comply with the emission limitations and work practice standards contained in Tables 1 through 7 to this subpart for all HAP that are generated in the MCPU and that are not included in consumption, as defined in section 63.2550. Hydrogen halides that are generated as a result of combustion control must be controlled according to the requirements of section 63.994 and the requirements referenced therein.

(2) You may not merge nondedicated formulation or nondedicated solvent recovery processes with any other processes.

(c) Initial compliance procedures. To demonstrate initial compliance with paragraph (a) of this section, you must prepare a demonstration summary in accordance with paragraph (c) (1) of this section and calculate baseline and target annual HAP and VOC factors in accordance with paragraphs (c) (2) and (3) of this section.

(1) Demonstration plan. You must prepare a pollution prevention demonstration plan that contains, at a minimum, the information in paragraphs (c)(1) (i) through (iii) of this section for each MCPU for which you comply with paragraph (a) of this section.

(i) Descriptions of the methodologies and forms used to measure and record consumption of HAP and VOC compounds.

(ii) Descriptions of the methodologies and forms used to measure and record production of the product(s).

(iii) Supporting documentation for the descriptions provided in accordance with paragraphs (c)(1) (i) and (ii) of this section including, but not limited to, samples of operator log sheets and daily, monthly, and/or annual inventories of materials and products. You must describe how this documentation will be used to calculate the annual factors required in paragraph (d) of this section.

(2) Baseline factors. You must calculate baseline HAP and VOC factors by dividing the consumption of total HAP and total VOC by the production rate, per process, for the

first 3-year period in which the process was operational, beginning no earlier than the period consisting of the 1994 through 1996 calendar years.

(3) Target annual factors. You must calculate target annual HAP and VOC factors. The target annual HAP factor must be equal to 35 percent of the baseline HAP factor. The target annual VOC factor must be lower than the baseline VOC factor by an amount equivalent to the reduction in any HAP that is also a VOC, on a mass basis. The target annual VOC factor may be the same as the baseline VOC factor if the only HAP you reduce is not a VOC.

(d) Continuous compliance requirements. You must calculate annual rolling average values of the HAP and VOC factors (annual factors) in accordance with the procedures specified in paragraphs (d) (1) through (3) of this section. To show continuous compliance, the annual factors must be equal to or less than the target annual factors calculated according to paragraph (c)(3) of this section.

(1) To calculate the annual factors, you must divide the consumption of both total HAP and total VOC by the production rate, per process, for 12-month periods at the frequency specified in either paragraph (d) (2) or (3) of this section, as applicable.

(2) For continuous processes, you must calculate the annual factors every 30 days for the 12-month period preceding the 30th day (i.e., annual rolling average calculated every 30 days). A process with both batch and continuous operations is considered a continuous process for the purposes of this section.

(3) For batch processes, you must calculate the annual factors every 10 batches for the 12-month period preceding the 10th batch (i.e., annual rolling average calculated every 10 batches), except as specified in paragraphs (d)(3) (i) and (ii) of this section.

(i) If you produce more than 10 batches during a month, you must calculate the annual factors at least once during that month.

(ii) If you produce less than 10 batches in a 12-month period, you must calculate the annual factors for the number of batches in the 12-month period since the previous calculations.

(e) Records. You must keep records of HAP and VOC consumption, production, and the rolling annual HAP and VOC factors for each MCPU for which you are complying with paragraph (a) of this section.

(f) Reporting. (1) You must include the pollution prevention demonstration plan in the precompliance report required by section 63.2520(c).

(2) You must identify all days when the annual factors were above the target factors in the compliance reports.

16. Section 63.2500 How do I comply with emissions averaging?

(a) For an existing source, you may elect to comply with the percent reduction emission limitations in Tables 1, 2, 4, 5, and 7 to this subpart by complying with the emissions averaging provisions specified in section 63.150, except as specified in paragraphs (b) through (f) of this section.

(b) The batch process vents in an MCPU collectively are considered one individual emission point for the purposes of emissions averaging, except that only individual batch process vents must be excluded to meet the requirements of section 63.150(d)(5).

(c) References in section 63.150 to sections 63.112 through 63.130 mean the corresponding requirements in sections 63.2450 through 63.2490, including applicable monitoring, recordkeeping, and reporting.

(d) References to "periodic reports" in section 63.150 mean "compliance report" for the purposes of this subpart.

(e) For batch process vents, estimate uncontrolled emissions for a standard batch using the procedures in section 63.1257(d)(2)(i) and (ii) instead of the procedures in section 63.150(g)(2). Multiply the calculated emissions per batch by the number of batches per month when calculating the monthly emissions for use in calculating debits and credits.

(f) References to "storage vessels" in section 63.150 mean "storage tank" as defined in section 63.2550 for the purposes of this subpart.

17. Section 63.2505 How do I comply with the alternative standard?

As an alternative to complying with the emission limits and work practice standards for process vents and storage tanks in Tables 1 through 4 to this subpart and the requirements in sections 63.2455 through 63.2470, you may comply with the emission limits in paragraph (a) of this section and demonstrate compliance in accordance with the requirements in paragraph (b) of this section.

(a) Emission limits and work practice standards. (1) You must route vent streams through a closed-vent system to a control device that reduces HAP emissions as specified in either paragraph (a)(1)(i) or (ii) of this section.

(i) If you use a combustion control device, it must reduce HAP emissions as specified in paragraphs (a)(1)(i)(A), (B), and (C) of this section.

(A) To an outlet TOC concentration of 20 parts per million by volume (ppmv) or less.

(B) To an outlet concentration of hydrogen halide and halogen HAP of 20 ppmv or less.

(C) As an alternative to paragraph (a)(1)(i)(B) of this section, if you control halogenated vent streams emitted from a combustion device followed by a scrubber, reduce the hydrogen halide and halogen HAP generated in the combustion device by greater than or equal to 95 percent by weight in the scrubber.

(ii) If you use a noncombustion control device(s), it must reduce HAP emissions to an outlet total organic HAP concentration of 50 ppmv or less, and an outlet concentration of hydrogen halide and halogen HAP of 50 ppmv or less.

(2) Any Group 1 process vents within a process that are not controlled according to this alternative standard must be controlled according to the emission limits in Tables 1 through 3 to this subpart.

(b) Compliance requirements. To demonstrate compliance with paragraph (a) of this section, you must meet the requirements of section 63.1258(b)(5) beginning no later than the initial compliance date specified in section 63.2445, except as specified in paragraphs (b)(1) through (9) of this section.

(1) You must comply with the requirements in section 63.983 and the requirements referenced therein for closed-vent systems.

(2) When section 63.1258(b)(5)(i) refers to sections 63.1253(d) and 63.1254(c), the requirements in paragraph (a) of this section apply for the purposes of this subpart FFFF.

(3) When section 63.1258(b)(5)(i)(B) refers to "HCl," it means "total hydrogen halide and halogen HAP" for the purposes of this subpart FFFF.

(4) When section 63.1258(b)(5)(ii) refers to section 63.1257(a)(3), it means section 63.2450(j)(5) for the purposes of this subpart FFFF.

(5) You must submit the results of any determination of the target analytes of predominant HAP in the notification of compliance status report.

(6) If you elect to comply with the requirement to reduce hydrogen halide and halogen HAP by greater than or equal to 95 percent by weight in paragraph (a)(1)(i)(C) of this section, you must meet the requirements in paragraphs (b)(6)(i) and (ii) of this section.

(i) Demonstrate initial compliance with the 95 percent reduction by conducting a performance test and setting a site-specific operating limit(s) for the scrubber in accordance with section 63.994 and the requirements referenced therein. You must submit the results of the initial compliance demonstration in the notification of compliance status report.

(ii) Install, operate, and maintain CPMS for the scrubber as specified in sections 63.994(c) and 63.2450(k), instead of as specified in section 63.1258(b)(5)(i)(C).

(7) If flow to the scrubber could be intermittent, you must install, calibrate, and operate a flow indicator as specified in section 63.2460(c)(7).

(8) Use the operating day as the averaging period for CEMS data and scrubber parameter monitoring data.

(9) The requirements in paragraph (a) of this section do not apply to emissions from storage tanks during periods of planned routine maintenance of the control device that do not exceed 240 hr/yr. You may submit an application to the Administrator requesting an extension of this time limit to a total of 360 hr/yr in accordance with the procedures specified in section 63.2470(d). You must comply with the recordkeeping and reporting specified in sections 63.998(d)(2)(ii) and 63.999(c)(4) for periods of planned routine maintenance.

18. Notification, Reports, and Records

Section 63.2515 What notifications must I submit and when?

(a) You must submit all of the notifications in sections 63.6(h)(4) and (5), 63.7(b) and (c), 63.8(e), (f)(4) and (6), and 63.9(b) through (h) that apply to you by the dates specified.

(b) Initial notification. As specified in section 63.9(b)(2), if you startup your affected source before November 10, 2003, you must submit an initial notification not later than 120 calendar days after November 10, 2003.

(2) As specified in section 63.9(b)(3), if you startup your new affected source on or after November 10, 2003, you must submit an initial notification not later than 120 calendar days after you become subject to this subpart.

(c) Notification of performance test. If you are required to conduct a performance test, you must submit a notification of intent to conduct a performance test at least 60 calendar days before the performance test is scheduled to begin as required in section 63.7(b)(1). For any performance test required as part of the initial compliance procedures for batch process vents in Table 2 to this subpart, you must also submit the

test plan required by section 63.7(c) and the emission profile with the notification of the performance test.

19. Section 63.2520 What reports must I submit and when?

(a) You must submit each report in Table 11 to this subpart that applies to you.

(b) Unless the Administrator has approved a different schedule for submission of reports under section 63.10(a), you must submit each report by the date in Table 11 to this subpart and according to paragraphs (b)(1) through (5) of this section.

(1) The first compliance report must cover the period beginning on the compliance date that is specified for your affected source in section 63.2445 and ending on June 30 or December 31, whichever date is the first date following the end of the first 6 months after the compliance date that is specified for your affected source in section 63.2445.

(2) The first compliance report must be postmarked or delivered no later than August 31 or February 28, whichever date is the first date following the end of the first reporting period specified in paragraph (b)(1) of this section.

(3) Each subsequent compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31.

(4) Each subsequent compliance report must be postmarked or delivered no later than August 31 or February 28, whichever date is the first date following the end of the semiannual reporting period.

(5) For each affected source that is subject to permitting regulations pursuant to 40 CFR part 70 or 40 CFR part 71, and if the permitting authority has established dates for submitting semiannual reports pursuant to 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), you may submit the first and subsequent compliance reports according to the dates the permitting authority has established instead of according to the dates in paragraphs (b)(1) through (4) of this section.

(c) Precompliance report. You must submit a precompliance report to request approval for any of the items in paragraphs (c)(1) through (7) of this section. We will either approve or disapprove the report within 90 days after we receive it. If we disapprove the report, you must still be in compliance with the emission limitations and work practice standards in this subpart by the compliance date. To change any of the

information submitted in the report, you must notify us 60 days before the planned change is to be implemented.

(1) Requests for approval to set operating limits for parameters other than those specified in sections 63.2455 through 63.2485 and referenced therein. Alternatively, you may make these requests according to section 63.8(f).

(2) Descriptions of daily or per batch demonstrations to verify that control devices subject to section 63.2460(c)(5) are operating as designed.

(3) A description of the test conditions, data, calculations, and other information used to establish operating limits according to section 63.2460(c)(3).

(4) Data and rationale used to support an engineering assessment to calculate uncontrolled emissions in accordance with section 63.1257(d)(2)(ii).

(5) The pollution prevention demonstration plan required in section 63.2495(c)(1), if you are complying with the pollution prevention alternative.

(6) Documentation of the practices that you will implement to minimize HAP emissions from streams that contain energetics and organic peroxides, and rationale for why meeting the emission limit specified in Tables 1 through 7 to this subpart would create an undue safety hazard.

(7) For fabric filters that are monitored with bag leak detectors, an operation and maintenance plan that describes proper operation and maintenance procedures, and a corrective action plan that describes corrective actions to be taken, and the timing of those actions, when the PM concentration exceeds the set point and activates the alarm.

(d) Notification of compliance status report. You must submit a notification of compliance status report according to the schedule in paragraph (d)(1) of this section, and the notification of compliance status report must contain the information specified in paragraph (d)(2) of this section.

(1) You must submit the notification of compliance status report no later than 150 days after the applicable compliance date specified in section 63.2445.

(2) The notification of compliance status report must include the information in paragraphs (d)(2)(i) through (ix) of this section.

(i) The results of any applicability determinations, emission calculations, or analyses used to identify and quantify HAP emissions from the affected source.

(ii) The results of emissions profiles, performance tests, engineering analyses, design

evaluations, flare compliance assessments, inspections and repairs, and calculations used to demonstrate initial compliance according to sections 63.2455 through 63.2485. For performance tests, results must include descriptions of sampling and analysis procedures and quality assurance procedures.

(iii) Descriptions of monitoring devices, monitoring frequencies, and the operating limits established during the initial compliance demonstrations, including data and calculations to support the levels you establish.

(iv) All operating scenarios.

(v) Descriptions of worst-case operating and/or testing conditions for control devices.

(vi) Identification of parts of the affected source subject to overlapping requirements described in section 63.2535 and the authority under which you will comply.

(vii) The information specified in section 63.1039(a)(1) through (3) for each process subject to the work practice standards for equipment leaks in Table 6 to this subpart.

(viii) Identify storage tanks for which you are complying with the vapor balancing alternative in section 63.2470(e).

(ix) Records as specified in section 63.2535(i)(1) through (3) of process units used to create a PUG and calculations of the initial primary product of the PUG.

(e) Compliance report. The compliance report must contain the information specified in paragraphs (e)(1) through (10) of this section.

(1) Company name and address.

(2) Statement by a responsible official with that official's name, title, and signature, certifying the accuracy of the content of the report.

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

(4) For each SSM during which excess emissions occur, the compliance report must include records that the procedures specified in your startup, shutdown, and malfunction plan (SSMP) were followed or documentation of actions taken that are not consistent with the SSMP, and include a brief description of each malfunction.

(5) The compliance report must contain the information on deviations, as defined in section 63.2550, according to paragraphs (e)(5)(i), (ii), and (iii) of this section.

(i) If there are no deviations from any emission limit, operating limit or work practice standard specified in this subpart, include a statement that there were no deviations from the emission limits, operating limits, or work practice standards during the reporting period.

(ii) For each deviation from an emission limit, operating limit, and work practice standard that occurs at an affected source where you are not using a continuous monitoring system (CMS) to comply with the emission limit or work practice standard in this subpart, you must include the information in paragraphs (e)(5)(ii)(A) through (C) of this section. This includes periods of SSM.

(A) The total operating time of the affected source during the reporting period.

(B) Information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken.

(C) Operating logs for the day(s) during which the deviation occurred, except operating logs are not required for deviations of the work practice standards for equipment leaks.

(iii) For each deviation from an emission limit or operating limit occurring at an affected source where you are using a CMS to comply with an emission limit in this subpart, you must include the information in paragraphs (e)(5)(iii)(A) through (L) of this section. This includes periods of SSM.

(A) The date and time that each CMS was inoperative, except for zero (low-level) and high-level checks.

(B) The date, time, and duration that each CEMS was out-of-control, including the information in section 63.8(c)(8).

(C) The date and time that each deviation started and stopped, and whether each deviation occurred during a period of startup, shutdown, or malfunction or during another period.

(D) A summary of the total duration of the deviation during the reporting period, and the total duration as a percent of the total operating time of the affected source during that reporting period.

(E) A breakdown of the total duration of the deviations during the reporting period into those that are due to startup, shutdown, control equipment problems, process problems, other known causes, and other unknown causes.

(F) A summary of the total duration of CMS downtime during the reporting period, and the total duration of CMS downtime as a percent of the total operating time of the affected source during that reporting period.

(G) An identification of each HAP that is known to be in the emission stream.

(H) A brief description of the process units.

(I) A brief description of the CMS.

(J) The date of the latest CMS certification or audit.

(K) Operating logs for each day(s) during which the deviation occurred.

(L) The operating day or operating block average values of monitored parameters for each day(s) during which the deviation occurred.

(6) If you use a CEMS, and there were no periods during which it was out-of-control as specified in section 63.8(c)(7), include a statement that there were no periods during which the CEMS was out-of-control during the reporting period.

(7) Include each new operating scenario which has been operated since the time period covered by the last compliance report and has not been submitted in the notification of compliance status report or a previous compliance report. For each new operating scenario, you must provide verification that the operating conditions for any associated control or treatment device have not been exceeded and that any required calculations and engineering analyses have been performed. For the purposes of this paragraph, a revised operating scenario for an existing process is considered to be a new operating scenario.

(8) Records of process units added to a PUG as specified in section 63.2525(i)(4) and records of primary product redeterminations as specified in section 63.2525(i)(5).

(9) Applicable records and information for periodic reports as specified in referenced subparts F, G, SS, TT, UU, WW, and GGG of this part 63.

(10) Notification of process change. (i) Except as specified in paragraph (e)(10)(ii) of this section, whenever you make a process change, or change any of the information submitted in the notification of compliance status report, that is not within the scope of an existing operating scenario, you must document the change in your compliance

report. A process change does not include moving within a range of conditions identified in the standard batch. The notification must include all of the information in paragraphs (e)(10)(i)(A) through (C) of this section.

(A) A description of the process change.

(B) Revisions to any of the information reported in the original notification of compliance status report under paragraph (d) of this section.

(C) Information required by the notification of compliance status report under paragraph (d) of this section for changes involving the addition of processes or equipment at the affected source.

(ii) You must submit a report 60 days before the scheduled implementation date of any of the changes identified in paragraph (e)(10)(ii)(A), (B), or (C) of this section.

(A) Any change to the information contained in the precompliance report.

(B) A change in the status of a control device from small to large.

(C) A change from Group 2 to Group 1 for any emission point.

20. Section 63.2525 What records must I keep?

You must keep the records specified in paragraphs (a) through (k) of this section.

(a) Each applicable record required by subpart A of this part 63 and in referenced subparts F, G, SS, TT, UU, WW, and GGG of this part 63.

(b) Records of each operating scenario as specified in paragraphs (b)(1) through (8) of this section.

(1) A description of the process and the type of process equipment used.

(2) An identification of related process vents, including their associated emissions episodes if not complying with the alternative standard in section 63.2505; wastewater point of determination (POD); storage tanks; and transfer racks.

(3) The applicable control requirements of this subpart, including the level of required control, and for vents, the level of control for each vent.

(4) The control device or treatment process used, as applicable, including a description of operating and/or testing conditions for any associated control device.

(5) The process vents, wastewater POD, transfer racks, and storage tanks (including

those from other processes) that are simultaneously routed to the control device or treatment process(s).

(6) The applicable monitoring requirements of this subpart and any parametric level that assures compliance for all emissions routed to the control device or treatment process.

(7) Calculations and engineering analyses required to demonstrate compliance.

(8) For reporting purposes, a change to any of these elements not previously reported, except for paragraph (b)(5) of this section, constitutes a new operating scenario.

(c) A schedule or log of operating scenarios updated each time a different operating scenario is put into operation.

(d) The information specified in paragraphs (d)(1) and (2) of this section for Group 1 batch process vents in compliance with a percent reduction emission limit in Table 2 to this subpart if some of the vents are controlled to less the percent reduction requirement.

(1) Records of whether each batch operated was considered a standard batch.

(2) The estimated uncontrolled and controlled emissions for each batch that is considered to be a nonstandard batch.

(e) The information specified in paragraphs (e)(1) through (4) of this section for each process with Group 2 batch process vents or uncontrolled hydrogen halide and halogen HAP emissions from the sum of all batch and continuous process vents less than 1,000 lb/yr. No record is required if you documented in the notification of compliance status report that the MCPU does not process, use, or produce HAP.

(1) A record of the day each batch was completed.

(2) A record of whether each batch operated was considered a standard batch.

(3) The estimated uncontrolled and controlled emissions for each batch that is considered to be a nonstandard batch.

(4) Records of the daily 365-day rolling summations of emissions, or alternative records that correlate to the emissions (e.g., number of batches), calculated no less frequently

than monthly.

(f) A record of each time a safety device is opened to avoid unsafe conditions in accordance with section 63.2450(s).

(g) Records of the results of each CPMS calibration check and the maintenance performed, as specified in section 63.2450(k)(1).

(h) For each CEMS, you must keep records of the date and time that each deviation started and stopped, and whether the deviation occurred during a period of startup, shutdown, or malfunction or during another period.

(i) For each PUG, you must keep records specified in paragraphs (i)(1) through (5) of this section.

(1) Descriptions of the MCPU and other process units in the initial PUG required by section 63.2535(l)(1)(v).

(2) Rationale for including each MCPU and other process unit in the initial PUG (i.e., identify the overlapping equipment between process units) required by section 63.2535(l)(1)(v).

(3) Calculations used to determine the primary product for the initial PUG required by section 63.2535(l)(2)(iv).

(4) Descriptions of process units added to the PUG after the creation date and rationale for including the additional process units in the PUG as required by section 63.2535(l)(1)(v).

(5) The calculation of each primary product redetermination required by section 63.2535(l)(2)(iv).

(j) In the SSMP required by section 63.6(e)(3), you are not required to include Group 2 emission points, unless those emission points are used in an emissions average. For equipment leaks, the SSMP requirement is limited to control devices and is optional for other equipment.

(k) For each bag leak detector used to monitor PM HAP emissions from a fabric filter, maintain records of any bag leak detection alarm, including the date and time, with a brief explanation of the cause of the alarm and the corrective action taken.

21. Other Requirements and Information

Section 63.2535 What compliance options do I have if part of my plant is subject to both this subpart and another subpart?

For any equipment, emission stream, or wastewater stream subject to the provisions of both this subpart and another rule, you may elect to comply only with the provisions as specified in paragraphs (a) through (l) of this section. You also must identify the subject equipment, emission stream, or wastewater stream, and the provisions with which you will comply, in your notification of compliance status report required by section 63.2520(d).

(a) Compliance with other subparts of this part 63. If you have an MCPU that includes a batch process vent that also is part of a CMPU as defined in subparts F and G of this part 63, you must comply with the emission limits; operating limits; work practice standards; and the compliance, monitoring, reporting and recordkeeping requirements for batch process vents in this subpart, and you must continue to comply with the requirements in subparts F, G, and H of this part 63 that are applicable to the CMPU and associated equipment.

(b) Compliance with 40 CFR parts 264 and 265, subparts AA, BB, and/or CC. (1) After the compliance dates specified in section 63.2445, if a control device that you use to comply with this subpart is also subject to monitoring, recordkeeping, and reporting requirements in 40 CFR part 264, subpart AA, BB, or CC; or the monitoring and recordkeeping requirements in 40 CFR part 265, subpart AA, BB, or CC; and you comply with the periodic reporting requirements under 40 CFR part 264, subpart AA, BB, or CC that would apply to the device if your facility had final-permitted status, you may elect to comply either with the monitoring, recordkeeping, and reporting requirements of this subpart; or with the monitoring and recordkeeping requirements in 40 CFR part 264 or 265 and the reporting requirements in 40 CFR part 264, as described in this paragraph (b)(1), which constitute compliance with the monitoring, recordkeeping, and reporting requirements of this subpart. If you elect to comply with the monitoring, recordkeeping, and reporting requirements in 40 CFR parts 264 and/or 265, you must report the information described in section 63.2520(e).

(2) After the compliance dates specified in section 63.2445, if you have an affected source with equipment that is also subject to 40 CFR part 264, subpart BB, or to 40 CFR part 265, subpart BB, then compliance with the recordkeeping and reporting requirements of 40 CFR parts 264 and/or 265 may be used to comply with the recordkeeping and reporting requirements of this subpart, to the extent that the requirements of 40 CFR parts 264 and/or 265 duplicate the requirements of this subpart.

(c) Compliance with 40 CFR part 60, subpart Kb and 40 CFR part 61, subpart Y. After the compliance dates specified in section 63.2445, you are in compliance with the

provisions of this subpart FFFF for any storage tank that is assigned to an MCPU and that is both controlled with a floating roof and in compliance with the provisions of either 40 CFR part 60, subpart Kb, or 40 CFR part 61, subpart Y. You are in compliance with this subpart FFFF if you have a storage tank with a fixed roof, closed-vent system, and control device in compliance with the provisions of either 40 CFR part 60, subpart Kb, or 40 CFR part 61, subpart Y, except that you must comply with the monitoring, recordkeeping, and reporting requirements in this subpart FFFF. Alternatively, if a storage tank assigned to an MCPU is subject to control under 40 CFR part 60, subpart Kb, or 40 CFR part 61, subpart Y, you may elect to comply only with the requirements for Group 1 storage tanks in this subpart FFFF.

(d) Compliance with subpart I, GGG, or MMM of this part 63. After the compliance dates specified in section 63.2445, if you have an affected source with equipment subject to subpart I, GGG, or MMM of this part 63, you may elect to comply with the provisions of subpart H, GGG, or MMM of this part 63, respectively, for all such equipment.

(e) Compliance with subpart GGG of this part 63 for wastewater. After the compliance dates specified in section 63.2445, if you have an affected source subject to this subpart and you have an affected source that generates wastewater streams that meet the applicability thresholds specified in section 63.1256, you may elect to comply with the provisions of this subpart FFFF for all such wastewater streams.

(f) Compliance with subpart MMM of this part 63 for wastewater. After the compliance dates specified in section 63.2445, if you have an affected source subject to this subpart, and you have an affected source that generates wastewater streams that meet the applicability thresholds specified in section 63.1362(d), you may elect to comply with the provisions of this subpart FFFF for all such wastewater streams (except that the 99 percent reduction requirement for streams subject to section 63.1362(d)(10) still applies).

(g) Compliance with other regulations for wastewater. After the compliance dates specified in section 63.2445, if you have a Group 1 wastewater stream that is also subject to provisions in 40 CFR parts 260 through 272, you may elect to determine whether this subpart or 40 CFR parts 260 through 272 contain the more stringent control requirements (e.g., design, operation, and inspection requirements for waste management units; numerical treatment standards; etc.) and the more stringent testing, monitoring, recordkeeping, and reporting requirements. Compliance with provisions of 40 CFR parts 260 through 272 that are determined to be more stringent than the requirements of this subpart constitute compliance with this subpart. For example, provisions of 40 CFR parts 260 through 272 for treatment units that meet the conditions specified in section 63.138(h) constitute compliance with this subpart. You must identify in the notification of compliance status report required by section 63.2520(d) the information and procedures that you used to make any stringency determinations.

(h) Compliance with 40 CFR part 60, subpart DDD, III, NNN, or RRR. After the compliance dates specified in section 63.2445, if you have an MCPU that contains equipment subject to the provisions of this subpart that are also subject to the provisions of 40 CFR part 60, subpart DDD, III, NNN, or RRR, you may elect to apply this subpart to all such equipment in the MCPU. If an MCPU subject to the provisions of this subpart has equipment to which this subpart does not apply but which is subject to a standard in 40 CFR part 60, subpart DDD, III, NNN, or RRR, you may elect to comply with the requirements for Group 1 process vents in this subpart for such equipment. If you elect any of these methods of compliance, you must consider all total organic compounds, minus methane and ethane, in such equipment for purposes of compliance with this subpart, as if they were organic HAP. Compliance with the provisions of this subpart, in the manner described in this paragraph (h), will constitute compliance with 40 CFR part 60, subpart DDD, III, NNN, or RRR, as applicable.

(i) Compliance with 40 CFR part 61, subpart BB. (1) After the compliance dates specified in section 63.2445, a Group 1 transfer rack, as defined in section 63.2550, that is also subject to the provisions of 40 CFR part 61, subpart BB, you are required to comply only with the provisions of this subpart.

(2) After the compliance dates specified in section 63.2445, a Group 2 transfer rack, as defined in section 63.2550, that is also subject to the provisions of 40 CFR part 61, subpart BB, is required to comply with the provisions of either paragraph (I)(2)(i) or (ii) of this section.

(i) If the transfer rack is subject to the control requirements specified in section 61.302 of 40 CFR part 61, subpart BB, then you may elect to comply with either the requirements of 40 CFR part 61, subpart BB, or the requirements for Group 1 transfer racks under this subpart FFFF.

(ii) If the transfer rack is subject only to reporting and recordkeeping requirements under 40 CFR part 61, subpart BB, then you are required to comply only with the reporting and recordkeeping requirements specified in this subpart for Group 2 transfer racks, and you are exempt from the reporting and recordkeeping requirements in 40 CFR part 61, subpart BB.

(j) Compliance with 40 CFR part 61, subpart FF. After the compliance date specified in section 63.2445, for a Group 1 or Group 2 wastewater stream that is also subject to the provisions of 40 CFR 61.342(c) through (h), and is not exempt under 40 CFR 61.342(c)(2) or (3), you may elect to comply only with the requirements for Group 1 wastewater streams in this subpart FFFF. If a Group 2 wastewater stream is exempted from 40 CFR 61.342(c)(1) under 40 CFR 61.342(c)(2) or (3), then you are required to comply only with the reporting and recordkeeping requirements specified in this subpart for Group 2 wastewater streams, and you are exempt from the requirements in 40 CFR part 61, subpart FF.

(k) Compliance with 40 CFR part 60, subpart VV, and 40 CFR part 61, subpart V. After the compliance date specified in section 63.2445, if you have an affected source with equipment that is also subject to the requirements of 40 CFR part 60, subpart VV, or 40 CFR part 61, subpart V, you may elect to apply this subpart to all such equipment. Alternatively, if you have an affected source with no continuous process vents and equipment that is also subject to the requirements of 40 CFR part 60, subpart VV, or 40 CFR part 61, subpart V, you may elect to comply with 40 CFR part 60, subpart VV or 40 CFR part 61, subpart V, as applicable, for all such equipment.

(l) Applicability of process units included in a process unit group. You may elect to develop and comply with the requirements for PUG in accordance with paragraphs (l)(1) through (3) of this section.

(1) Procedures to create process unit groups. Develop and document changes in a PUG in accordance with the procedures specified in paragraphs (l)(1)(i) through (v) of this section.

(i) Initially, identify an MCPU that is created from nondedicated equipment that will operate on or after November 10, 2003 and identify all processing equipment that is part of this MCPU, based on descriptions in operating scenarios.

(ii) Add to the group any other nondedicated MCPU and other nondedicated process units expected to be operated in the 5 years after the date specified in paragraph (l)(1)(i) of this section, provided they satisfy the criteria specified in paragraphs (l)(1)(ii)(A) through (C) of this section. Also identify all of the processing equipment used for each process unit based on information from operating scenarios and other applicable documentation.

(A) Each process unit that is added to a group must have some processing equipment that is also part of one or more process units in the group.

(B) No process unit may be part of more than one PUG.

(C) The processing equipment used to satisfy the requirement of paragraph (l)(1)(ii)(A) of this section may not be a storage tank or control device.

(iii) The initial PUG consists of all of the processing equipment for the process units identified in paragraphs (l)(1)(i) and (ii) of this section. As an alternative to the procedures specified in paragraphs (l)(1)(i) and (ii) of this section, you may use a PUG that was developed in accordance with section 63.1360(h) as your initial PUG.

(iv) Add process units developed in the future in accordance with the conditions specified in paragraphs (l)(1)(ii)(A) and (B) of this section.

(v) Maintain records that describe the process units in the initial PUG, the procedure

used to create the PUG, and subsequent changes to each PUG as specified in section 63.2525(i). Submit the records in reports as specified in section 63.2520(d)(2)(ix) and (e)(8).

(2) Determine primary product. You must determine the primary product of each PUG created in paragraph (l)(1) of this section according to the procedures specified in paragraphs (l)(2)(i) through (iv) of this section.

(i) The primary product is the type of product (e.g., organic chemicals subject to section 63.2435(b)(1), pharmaceutical products subject to section 63.1250, or pesticide active ingredients subject to section 63.1360) expected to be produced for the greatest operating time in the 5-year period specified in paragraph (l)(1)(ii) of this section.

(ii) If the PUG produces multiple types of products equally based on operating time, then the primary product is the type of product with the greatest production on a mass basis over the 5-year period specified in paragraph (l)(1)(ii) of this section.

(iii) At a minimum, you must redetermine the primary product of the PUG following the procedure specified in paragraphs (l)(2)(i) and (ii) of this section every 5 years.

(iv) You must record the calculation of the initial primary product determination as specified in section 63.2525(i)(3) and report the results in the notification of compliance status report as specified in section 63.2520(d)(8)(ix). You must record the calculation of each redetermination of the primary product as specified in section 63.2525(i)(5) and report the calculation in a compliance report submitted no later than the report covering the period for the end of the 5th year after cessation of production of the previous primary product, as specified in section 63.2520(e)(8).

(3) Compliance requirements. (i) If the primary product of the PUG is determined according to paragraph (l)(2) of this section to be material described in section 63.2435(b)(1), then you must comply with this subpart for each MCPU in the PUG. You may also elect to comply with this subpart for all other process units in the PUG, which constitutes compliance with other part 63 rules.

(ii) If the primary product of the PUG is determined according to paragraph (l)(2) of this section to be material not described in section 63.2435(b)(1), then you must comply with paragraph (l)(3)(ii)(A), (B), or (C) of this section, as applicable.

(A) If the primary product is subject to subpart GGG of this part 63, then comply with the requirements of subpart GGG for each MCPU in the PUG.

(B) If the primary product is subject to subpart MMM of this part 63, then comply with the requirements of subpart MMM for each MCPU in the PUG.

(C) If the primary product is subject to any subpart in this part 63 other than subpart GGG or subpart MMM, then comply with the requirements of this subpart for each MCPU in the PUG.

(iii) The requirements for new and reconstructed sources in the alternative subpart apply to all MCPU in the PUG if and only if the affected source under the alternative subpart meets the requirements for construction or reconstruction.

22. Section 63.2540 What parts of the General Provisions apply to me?

    Table 12 to this subpart shows which parts of the General Provisions in sections 63.1 through 63.15 apply to you.

23. Table 1 to Subpart FFFF of Part 63 - Emission Limits and Work Practice Standards for Continuous Process Vents

    As required in section 63.2455, you must meet each emission limit and work practice standard in Table 1 that applies to your continuous process vents. Table 1 is included in the text of Attachment A hereto and is hereby incorporated into this term as if fully rewritten.

24. Table 2 to Subpart FFFF of Part 63 - Emission Limits and Work Practice Standards for Batch Process Vents

    As required in section 63.2460, you must meet each emission limit and work practice standard in Table 2 that applies to your batch process vents. Table 2 is included in the text of Attachment A hereto and is hereby incorporated into this term as if fully rewritten.

25. Table 3 to Subpart FFFF of Part 63 - Emission Limits for Hydrogen Halide and Halogen HAP Emissions or PM HAP Emissions From Process Vents

    As required in section 63.2465, you must meet each emission limit in Table 3 that applies to your process vents that contain hydrogen halide and halogen HAP emissions or PM HAP emissions. Table 3 is included in the text of Attachment A hereto and is hereby incorporated into this term as if fully rewritten.

26. Table 4 to Subpart FFFF of Part 63 - Emission Limits for Storage Tanks

    As required in section 63.2470, you must meet each emission limit in Table 4 that applies to your storage tanks. Table 4 is included in the text of Attachment A hereto

and is hereby incorporated into this term as if fully rewritten.

27. Table 5 to Subpart FFFF of Part 63 - Emission Limits and Work Practice Standards for Transfer Racks

    As required in section 63.2475, you must meet each emission limit and work practice standard in the Table 5 that applies to your transfer racks. Table 5 is included in the text of Attachment A hereto and is hereby incorporated into this term as if fully rewritten.

28. Table 6 to Subpart FFFF of Part 63 - Requirements for Equipment Leaks

    As required in section 63.2480, you must meet each requirement in Table 6 that applies to your equipment leaks. Table 6 is included in the text of Attachment A hereto and is hereby incorporated into this term as if fully rewritten.

29. Table 7 to Subpart FFFF of Part 63 - Requirements for Wastewater Streams and Liquid Streams in Open Systems Within an MCPU

    As required in section 63.2485, you must meet each requirement in Table 7 that applies to your wastewater streams and liquid streams in open systems within an MCPU. Table 7 is included in the text of Attachment A hereto and is hereby incorporated into this term as if fully rewritten.

30. Table 8 to Subpart FFFF of Part 63 - Partially Soluble Hazardous Air Pollutants

    As specified in section 63.2485, the partially soluble HAP in wastewater that are subject to management and treatment requirements in this subpart FFFF are listed in the Table 8. Table 8 is included in the text of Attachment A hereto and is hereby incorporated into this term as if fully rewritten.

31. Table 9 to Subpart FFFF of Part 63 - Soluble Hazardous Air Pollutants

    As specified in section 63.2485, the soluble HAP in wastewater that are subject to management and treatment requirements of this subpart FFFF are listed in the Table 9. Table 9 is included in the text of Attachment A hereto and is hereby incorporated into this term as if fully rewritten.

32. Table 10 to Subpart FFFF of Part 63 - Work Practice Standards for Heat Exchange Systems

    As required in section 63.2490, you must meet each requirement in Table 10 that applies to your heat exchange systems. Table 10 is included in the text of Attachment A hereto and is hereby incorporated into this term as if fully rewritten.

33. Table 11 to Subpart FFFF of Part 63 - Requirements for Reports

    As required in section 63.2520(a) and (b), you must submit each report that applies to you on the schedule shown in Table 11. Table 11 is included in the text of Attachment A hereto and is hereby incorporated into this term as if fully rewritten.

34. Table 12 to Subpart FFFF of Part 63 - Applicability of General Provisions to Subpart FFFF

    As specified in section 63.2540, the parts of the General Provisions that apply to you are shown in Table 12. Table 12 is included in the text of Attachment A hereto and is hereby incorporated into this term as if fully rewritten.

B. State Only Enforceable Permit To Install Facility Specific Terms and Conditions

None.

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements
P010 - Multipurpose polymers unit controlled with carbon adsorption system (shared with emissions unit P003), a cryogenic condenser, 12 baghouses and 3 wet scrubbers	OAC rule 3745-31-05(A)(3)
	40 CFR Part 63, Subpart FFFF

	Applicable Emissions Limitations/Control Measures	
		the baghouse and scrubber stacks shall not exceed 9.01 tons per year total.
	Volatile organic compound (VOC) emissions from the carbon adsorption bed shall not exceed 33.88 lbs/hour.	Visible particulate emissions from any stack shall not exceed 5% opacity as a 6-minute average.
OAC rule 3745-17-07(A) OAC rule 3745-17-11(A)	VOC emissions from the cryogenic condenser shall not exceed 92.61 lbs/hour.	The requirements of this rule also include compliance with the requirements of 40 CFR Part 63, Subpart FFFF.
OAC rule 3745-21-07(G)(2)	All process vents shall be exhausted to a carbon adsorption bed or a cryogenic condenser with a minimum control efficiency for VOC of 95%.	See Part II, A.1. through A.34. (Facility Specific Terms and Conditions) and Attachment A.
	Point source VOC emissions shall not exceed 28.26 tons per year. See A.I.2a below.	Should Subpart FFFF be revised, the permittee shall comply with the applicable requirements of the most recent promulgation.
	Fugitive VOC emissions shall not exceed 81.68 tons per year.	The permittee shall comply with the applicable requirements of this rule by the compliance date of May 10, 2008, unless changed by USEPA.
	The permittee shall maintain a leak detection and repair (LDAR) program. See A.I.2b below.	The emissions limitations specified by these rules are less stringent than the emissions limitations established pursuant to OAC rule 3745-31-05(A)(3).
	Total VOC emissions shall not exceed 109.94 tons per year.	
	Each baghouse and wet scrubber shall achieve an outlet emission rate of not greater than 0.020 grain of particulate emissions per dry standard cubic foot of exhaust gases.	See A.I.2c below.
	Particulate emissions (PE) from	

2. Additional Terms and Conditions

2.a All VOC emissions from this emissions unit, except the fugitive VOC emissions from process leaks, shall be vented to the carbon adsorption beds or cryogenic condenser. VOC emissions from the reactors shall be vented to the cryogenic condenser after reaction termination.

2.b The permittee shall maintain an LDAR program in accordance with the plan approved August 17, 1994, (PTI 06-4127) or the most recent version approved by the permittee and the Ohio EPA, Southeast District Office (see A.III.9. below). After the compliance date specified in 40 CFR Part 63, Subpart FFFF, the permittee shall no longer be required to comply with the provisions of the aforementioned LDAR program, the monitoring requirements in A.III.9. below, and the reporting requirements in A.IV.9. below. After such date, the permittee shall be required to comply only with the applicable LDAR provisions of 40 CFR Part 63, Subpart FFFF.

2.c This emissions unit does not employ, apply, evaporate or dry any photochemically reactive material (PRM), or any substance containing such PRM. Therefore, there are no applicable emission limitations from OAC rule 3745-21-07(G)(2).

2.d This emissions unit does not produce an organic chemical listed in Appendix A of OAC rule 3745-21-09 and, therefore, is not subject to OAC rule 3745-21-09(DD).

2.e The equipment included in this emissions unit and subject to the requirements of this permit includes the equipment listed below and all ancillary equipment and fugitive components associated with this equipment.

Existing: Reactor C-401, Dilution Tanks C-501/511, Filtrate Tanks C-570/571/577, Flash Tank C-582, Surge Tank C-596, Batch Distillation Column C-802, Continuous Distillation Column C-842, Decanter C-825, Storage Tanks C-911/912/913, Hopper D-201, Charge Hoppers D-202/203, Bulk Receiver D-265, Weigh Bins D-246/247/248/249, Precoat Tank D-520, Filter Salt Cake Reslurry Tank D-550, Centrifuge Salt Cake Reslurry Tank D-556, Product Storage Bins D-765/766/768, Make Tanks D-880/881/882/883/884/885, Rich Feed Tanks D-890/891/892/893, Reactor Recycle Storage D-920/930, Salt Cake Dryer V-560, Thin Film Evaporator Y-611, Pelletizer V-673, Filter Y-525, Centrifuge Y-555, Polishing Filters Y-568/569, Filmtruder Y-621, Extruder Y-630, Carbon Adsorption System Y-480/490, Baghouses Y-266/235/236/217/237/238, Baghouse 520 A, Condenser E-122, and Wet Scrubbers Y-218/559

New: Storage Bins D-211/213, Polymer Reactor C-1401, Dilution Tank C-1501, Centrifuge Receiver C-1554, Flash Tank C-1582, Surge Tank C-1596, Batch

Distillation Column C-1802, Storage Day Bins D-735/738/755/758, Product Storage Bin D-767, Make Tanks D-877/878, Weigh Bins D-1246/1247/1248/1249, Precoat System D-1520, Filter Salt Cake Reslurry Tank D-1550, Centrifuge Salt Cake Reslurry Tank D-1556, Salt Cake Dryer V-543, Cryogenic Condenser System V-1131, Filter Y-1525, Centrifuge Y-1555, Polishing Filters Y-1568/1569, Filmtruder Y-1621, Extruder Y-1630, Pelletizer Y-1673, Wet Scrubber Y-1216, Baghouses Y-1235/1236/1237/1238/1519-DC, and Condenser E-1122

2.f The potential to emit for VOC for this emissions unit was calculated by summing the emissions from all associated equipment based on the maximum production capacity. Process emissions were calculated using Emission Master software. Ongoing compliance with the annual emissions limits contained in this permit shall be demonstrated through use of the mass balance records specified in A.III.7. and A.III.8. below.

II. Operational Restrictions

1. Use of the carbon adsorption bed chambers shall be switched if the monochlorobenzene (MCB) analyzer reading is above 250 ppm for greater than 3 minutes.

   Operation of the control equipment outside of the carbon adsorption chamber switching requirements specified above may or may not indicate a mass emissions violation. If required by the Ohio EPA, Southeast District Office, compliance with the mass emissions limitation shall be determined by performing mass emissions tests, using USEPA-approved methods and procedures. The results of any required emissions tests shall be used in determining whether or not the operation of the control equipment outside of the carbon adsorption chamber switching requirements specified above is indicative of a possible violation of the mass emissions limitation.

2. The permittee shall not employ any photochemically reactive material, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit.

3. The water flow rate for each wet scrubber (Y-1216, Y-218, and Y-559) shall be continuously maintained at or above the minimum normal operating rate (as specified by the manufacturer/vendor) at all times when emissions are being vented to the wet scrubber. See A.IV.10. below.

4. The permittee shall maintain the average exit temperature of the exhaust gas from the

cryogenic condenser (V-1131), for any 3-hour block of time when the emissions unit is in operation and emissions are being vented to the cryogenic condenser, at or below the average temperature during the most recent emissions test that demonstrated the emissions unit was in compliance. Until such time that an emissions test is performed, the permittee shall maintain the exit temperature of the exhaust gas from the cryogenic condenser, for any 3-hour block of time when the emissions unit is in operation, at or below -80 degrees Celsius (°C).

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall operate and maintain a continuous MCB analyzer and recorder which measures and records the carbon adsorption bed outlet MCB concentration, in ppm, when the emissions unit is in operation. The analyzing and recording devices shall be capable of accurately measuring the desired parameter. The MCB analyzer and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions, and operating manuals with any modifications deemed necessary by the permittee.

   The permittee shall collect and record the following information each day:

   a. a log of the downtime for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit;
   b. the length of time between each carbon adsorption chamber switch, in minutes; and
   c. the duration, in minutes, of each MCB analyzer reading greater than 250 ppm. If the duration exceeds 3 minutes, the corrective action taken shall also be recorded.

2. The permittee shall maintain a record of all periods during which all VOC emissions from this emissions unit, except the fugitive VOC emissions from process leaks, were not vented to the carbon adsorption beds or cryogenic condenser and/or VOC emissions from the reactors were not vented to the cryogenic condenser after reaction.

3. For each day a photochemically reactive material is employed, the permittee shall maintain a record of the type and quantity of such materials employed in this emissions unit.

4. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the baghouse stacks serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

   a. the color of the emissions;
   b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emissions incident; and
e. any corrective actions taken to eliminate the visible emissions.

5. The permittee shall properly install, operate and maintain equipment to continuously monitor the scrubber water flow rate for each wet scrubber when emissions are being vented to the wet scrubber. The monitoring devices and any recorders shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals with any modifications deemed necessary by the permittee.

   The permittee shall collect and record the following information each day:

   a. the scrubber water flow rate for each scrubber, in gallons per minute, on a once/day basis; and
   b. a log of the downtime for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.

6. The permittee shall properly install, operate and maintain equipment to continuously monitor and record the exit temperature of the exhaust gas from the cryogenic condenser (V-1131) while the emissions unit is in operation and emissions are being vented to the cryogenic condenser. The equipment used to monitor temperature must have a minimum accuracy of (a) +/- 1 percent of the temperature being monitored expressed in degrees Celsius (°C), or (b) +/- 1.2 degrees Celsius (°C),whichever is greater. The monitoring device and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals with any modifications deemed necessary by the permittee.

   The permittee shall collect and record the following information each day the emissions unit is in operation and emissions are vented to the cryogenic condenser:

   a. the exit temperature of the exhaust gas from the cryogenic condenser (V-1131);
   b. all 3-hour blocks of time during which the average exit temperature of the exhaust gas from the cryogenic condenser (V-1131) was above the average temperature during the most recent emissions test that demonstrated the emissions unit was in compliance; and
   c. a log of the downtime for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.

7. The permittee shall collect and record the following information on a monthly basis:

   a. total Radel A produced, in tons;
   b. total Radel R produced, in tons;
   c. total Udel produced, in tons;
   d. design amount of Radel A produced per batch, in tons;
   e. design amount of Radel R produced per batch, in tons;
   f. design amount of Udel produced per batch, in tons;
   g. total batches of Radel A and Radel R produced [i.e., ((a)/(d))+((b)/(e))]
   h. total batches of Udel produced [i.e., ((c)/(f))];
   i. design amount of MCB used for Radel A and Radel R production, in tons per batch;
   j. design amount of MCB used for Udel production, in tons per batch;
   k. total MCB recovered by the carbon adsorption bed, in tons;
   l. ratio of MCB used for Radel production to total MCB used [i.e., ((g)x(i))/((h)x(j)+(g)x(i))];
   m. total fugitive MCB emissions from this emissions unit, in tons, determined using the commercially available software LEAKDAS or other equivalent program;
   n. total number of defrost/regeneration cycles for the cryogenic condenser;
   o. total MCB emissions from cryogenic condenser defrost/regeneration cycles, in tons [i.e., 14x(n)x(1-CE*)/2000];
   p. total point source MCB emissions from this emissions unit, in tons [i.e., (l)x((1-CE*)x(k)/CE*)+(o)];
   q. total chloromethane added to this emissions unit, in tons;
   r. total chloromethane recovered by the cryogenic condenser, in tons;
   s. the amount of chloromethane consumed in the reaction based on the polymer stoichiometry, in tons [i.e., ((a)+(b))x0.0033];
   t. total fugitive chloromethane emissions from this emissions unit, in tons, determined using the commercially available software LEAKDAS or other equivalent program;
   u. total point source chloromethane emissions from this emissions unit, in tons [i.e., (q)-(r)-(s)-(t)];
   v. point source VOC emissions from this emissions unit, in tons [i.e., (u)+(p)];
   w. fugitive VOC emissions from this emissions unit, in tons [i.e., (t)+(m)]; and
   x. total VOC emissions from this emissions unit, in tons [i.e., (v)+(w)].

   * Note - CE is the control efficiency for the carbon adsorption bed established during the most recent emissions test. In the event of deviations or excursions from the established parametric monitoring range, a CE of zero shall be used to calculate emissions for the duration of the deviation or excursion.

8. The permittee shall collect and record the following information on an annual basis:

   a. the point source VOC emissions from this emissions unit, in tons;

b. the fugitive VOC emissions from this emissions unit, in tons; and
c. the total VOC emissions from this emissions unit, in tons.

9. The LDAR emissions screening required by the LDAR plan shall be done in accordance with the procedures set forth in 40 CFR Part 60, Appendix A, Method 21. The LDAR monitoring and recordkeeping requirements in section A.III.9. will be discontinued on the applicable compliance date for 40 CFR Part 63, Subpart FFFF.

a. Except as otherwise provided in the approved LDAR plan, equipment shall be monitored for leaks as follows:

i. The permittee shall perform monthly visual inspections and annual emissions screening of all non-exempt pumps and agitators in light liquid service (LLS) or heavy liquid service (HLS).
ii. The permittee shall perform quarterly emissions screening of all non-exempt valves, compressors, and pressure relief devices in gas/vapor service and all non-exempt open-ended lines in LLS, HLS, or gas/vapor service. The monitoring period for valves in gas/vapor service can be changed to one of the methods below if the percent of valves leaking is less than 2. If the percent of valves leaking becomes greater than 2, then quarterly monitoring must be resumed. Ohio EPA shall be notified prior to implementing an alternative monitoring schedule.

(a) After two consecutive quarterly monitoring periods in which the percent of valves leaking was less than 2, the monitoring frequency can be changed to skip the first quarter of every two consecutive quarters.
(b) After five consecutive quarterly monitoring periods in which the percent of valves leaking was less than 2, the monitoring frequency can be changed to skip the first three quarters of every four consecutive quarters.

iii. The permittee shall perform annual emissions screening of all non-exempt valves and pressure relief devices in LLS or HLS. Ten percent (10%) of all non-exempt flanges and connectors in gas/vapor, LLS, or HLS shall be screened annually.
iv. All sources shall be screened within five days after a repair has been made.

b. The emissions screening values shall be recorded and maintained in an appropriate data management system. The information to be recorded shall include the following:

i. the date;
ii. the detector;

iii. the source identification (tag#, excluding connectors);
iv. the screening value;
v. the source type;
vi. the service (gas/vapor, light liquid, heavy liquid);
vii. the comments;
viii. the exemptions (if any); and
ix. the location.

c. A leak is defined as a screening value that exceeds 10,000 ppmv or a visible/audible emission of gases or liquids from the sealing surfaces of equipment in VOC service. Upon detection of a leak, the permittee shall take the following steps:

i. a weatherproof identification tag shall be attached to the leaking equipment;
ii. a record of the leak and any attempt to repair it shall be entered into the leak repair log; and
iii. a work order for repairs shall be placed the day the leak is detected if the initial attempt at repair is not successful.

The identification tag attached to the leaking equipment can be removed once the leak has been repaired.

d. Leaking equipment shall be repaired within 15 days after the leak was detected. Leaking equipment is considered repaired if the corrected screening value taken after the repair attempt is less than 10,000 ppmv.

A record of the repair attempts shall be entered into the leak repair log or data management system.

After each repair attempt, the leaking equipment shall be re-screened to check effectiveness. The re-screening value shall be recorded in the leak repair log and/or data management system.

i. A first attempt to repair leaking equipment shall be made as soon as practicable, but no later than 5 days from the date the leak was detected. First attempts at repair can include the following:

(a) tightening of bonnet bolts;
(b) replacement of bonnet bolts;

(c) tightening of packing gland nuts; and/or
(d) injection of lubricant into lubricated packing.

ii. A delay of repair is permissible if one of the following conditions applies:

(a) the repair of the leaking equipment would require a process unit shutdown;
(b) the leaking equipment is isolated from the process and is purged; and/or
(c) the repair of the leaking source would result in more emissions than would occur by a delay of repair.

The repair shall be completed during the next process unit shutdown. A delay of repair may extend beyond the shutdown if delivery of repair parts will be after the planned startup date of the process unit.

e. The following information shall be kept in a log at a readily accessible location:

i. a list of the identification numbers for all the equipment subject to the monitoring program;
ii. the screening values from previous monitoring of the sources;
iii. a list of identification numbers for equipment designated for no detectable emissions;
iv. a list of identification numbers for equipment tied into closed vent systems;
v. compliance tests for equipment designated for no detectable leaks which will include the following information:

(a) the date of the compliance test;
(b) the background level measured during the compliance test; and
(c) the maximum screening measurement for the equipment during the compliance test.

vi. a list of identification numbers for equipment designated as difficult or unsafe to monitor with an explanation why it is difficult or unsafe to monitor (includes the equipment which is covered by insulation); and
vii. information regarding valves which are subject to an alternate monitoring schedule which shall include:

(a) a list of identification numbers for valves which are subject to an

alternate monitoring schedule based on a skip period, showing a schedule for monitoring and the percent of leaking valves for each monitoring period; and

(b) a list of identification numbers for valves which were designated difficult to monitor, with an explanation why it is difficult to monitor, and the monitoring schedule for these valves.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify all periods during which use of an individual carbon adsorption bed chamber continued for greater than 3 minutes while the MCB analyzer reading was greater than 250 ppm.

2. The permittee shall submit deviation reports that identify all periods during which all VOC emissions from this emissions unit, except the fugitive VOC emissions from process leaks, were not vented to the carbon adsorption beds or cryogenic condenser and/or VOC emissions were not vented to the cryogenic condenser after reaction. Each report shall identify the cause and the estimated total quantity of VOC emissions during each such period, in pounds. Each report shall be submitted to the Ohio EPA, Southeast District Office within 30 days of the deviation.

3. The permittee shall submit deviation reports that identify the days during which photochemically reactive material(s) were employed in this emissions unit. Each report shall identify the cause for the use of the photochemically reactive material(s) and the estimated total quantity of material(s) emitted during each such day, in pounds. Each report shall be submitted to the Ohio EPA, Southeast District Office within 30 days of the deviation.

4. The permittee shall submit semiannual written reports that (a) identify all weeks during which any visible particulate emissions were observed from the baghouse stacks serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Ohio EPA, Southeast District Office by January 31 and July 31 of each year and shall cover the previous 6-month period.

5. The permittee shall submit quarterly deviation (excursion) reports that identify all days during which the water flow rate for each scrubber was not maintained at or above the required level.

6. The permittee shall submit quarterly deviation (excursion) reports that identify all 3-hour blocks of time during which the average exit temperature of the exhaust gas from the cryogenic condenser (V-1131) does not comply with the temperature limitation specified in A.II.4.

7. The quarterly deviation reports shall be submitted in accordance with the General Terms and Conditions of this permit.

8. The permittee shall submit annual reports that specify the point source VOC emissions, fugitive VOC emissions, and total VOC emissions from this emissions unit for the previous calendar year. The reports shall be submitted by January 31 of each year.

9. The permittee shall submit semiannual LDAR reports in accordance with the most recent approved plan. These reports shall be submitted to the Ohio EPA, Southeast District Office by February 1 and August 1 of each year and shall cover the previous 6-month period. The reports shall include the following:

   a. the process unit information;
   b. the number of pumps in light liquid service excluding those exempt from monitoring based on no detectable emissions or use of an approved barrier fluid seal system;
   c. the number of valves in gas/vapor service as well as the number of those valves exempt based on no detectable emissions, the number of those subject to an alternative monitoring schedule, and the number of remaining valves which are subject to the normal monitoring schedule;
   d. for each quarter during the semiannual period:

      i. the number of pumps in light liquid service in which leaks were detected;
      ii. the number of pumps in light liquid service in which leaks were not repaired within 15 days from the date detected;
      iii. the number of valves in gas/vapor or light liquid service in which leaks were detected;
      iv. the number of valves in gas/vapor or light liquid service in which leaks were not repaired within 15 days from the date detected;
      v. an explanation for those leaking sources which had a delay of repair;
   e. the dates that the process unit was shutdown during that semiannual period;
   f. the number of additions and deletions of sources made to the process unit during that semiannual period; and
   g. the list of valves which have been added to an alternative monitoring schedule during the semiannual period.

   These reports also shall include the calculations of the fugitive methyl chloride and fugitive monochlorobenzene emissions from this emissions unit for each calendar month. These reports will be discontinued on the compliance date for 40 CFR Part 63, Subpart FFFF and replaced with the reporting requirements specified by the equipment leaks provisions in 40 CFR Part 63, Subpart FFFF.

10. Within 90 days after startup of the modified emissions unit, the permittee shall submit to the Ohio EPA, Southeast District Office written documentation on the normal water flow rate (manufacturer/vendor specification) for each wet scrubber

serving this emissions unit. This shall include justification as to how the normal flow rate value demonstrates proper operation (i.e., the control efficiency) of the scrubber.

V. Testing Requirements

1. Compliance with the emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:

   a. Emissions Limitation:

      VOC emissions from the carbon adsorption bed shall not exceed 33.88 lbs/hour.

      Compliance Method:

      Compliance with the hourly VOC emissions limitation shall be demonstrated based on emissions testing performed in accordance with Section A.V.2.

   b. Emissions Limitation:

      VOC emissions from the cryogenic condenser shall not exceed 92.61 lbs/hour.

      Compliance Method:

      Compliance with the hourly VOC emissions limitation shall be demonstrated based on emissions testing performed in accordance with Section A.V.2.

   c. Emissions Limitation:

      All process vents shall be exhausted to a carbon adsorption bed or a cryogenic condenser with a minimum control efficiency for VOC of 95%.

      Compliance Method:

      Compliance with the VOC control efficiency limitation shall be demonstrated based on emissions testing performed in accordance with Section A.V.2.

   d. Emissions Limitations:

      Point source VOC emissions shall not exceed 28.26 tons per year.

Fugitive VOC emissions shall not exceed 81.68 tons per year.

Total VOC emissions shall not exceed 109.94 tons per year.

Compliance Method:

Compliance with the annual VOC emissions limitations shall be demonstrated based upon the record keeping specified in section A.III.8.

e. Emissions Limitations:

Applicable emissions limitations from 40 CFR Part 63, Subpart FFFF. See Part II, A.1. through A.34. (Facility Specific Terms and Conditions) and Attachment A.

Compliance Method:

Compliance with the applicable emissions limitations shall be determined in accordance with the methods specified in 40 CFR Part 63, Subpart FFFF.

f. Emissions Limitations:

Each baghouse and wet scrubber shall achieve an outlet emissions rate of not greater than 0.020 grain of particulate emissions per dry standard cubic foot of exhaust gases.

Compliance Method:

If required, particulate emissions shall be determined according to test Methods 1 - 5, as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60 "Standards of Performance for New Stationary Sources". Alternative U.S. EPA-approved test methods may be used with prior approval from Ohio EPA, Southeast District Office.

g. Emissions Limitation:

PE from the baghouse and scrubber stacks shall not exceed 9.01 tons per year total.

Compliance Method:

Compliance with the annual PE limitation shall be demonstrated using the following calculation based on the emission factor provided by the permittee and

the maximum operating schedule.

= 2.057 lbs PE/hr x 8760 hrs/yr x 0.0005 ton/lb = 9.01 tons/yr

h. Emissions Limitation:

Visible particulate emissions from any stack shall not exceed 5% opacity as a 6-minute average.

Compliance Method:

If required, visible particulate emissions shall be determined according to test Method 9 as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60 "Standards of Performance for New Stationary Sources".

2. The permittee shall conduct, or have conducted, emissions testing for this emissions unit in accordance with the following requirements:

a. The emissions testing shall be conducted within 60 days after achieving the maximum production rate at which the emissions unit will be operated, but not later than 180 days after initial start-up of the emissions unit.

b. The emissions testing shall be conducted to demonstrate compliance with the hourly VOC emissions limitations and VOC control efficiency limitations for the carbon adsorption system and cryogenic condenser.

c. The following test method(s) shall be employed to demonstrate compliance with the above emissions limitations: for VOC, Methods 1 through 4 and 18, 25, or 25A of 40 CFR Part 60, Appendix A. Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.

Compliance with the control efficiency limitation shall be demonstrated through testing the gas streams entering and leaving the vapor control systems or, if acceptable to the director, the amounts of VOC employed and recovered or, employed and emitted, shall be measured or tested. The control efficiency of the vapor control system shall be the percent reduction in mass emissions of VOC between the inlet and the outlet of the vapor control system. If this efficiency is based upon an emissions test utilizing U.S. EPA Method 25 or 25A, the mass emissions of VOC as carbon shall be employed in the efficiency determination.

The test methods and procedures selected shall be based on a consideration of the diversity of the organic species present and their total concentration, and on a consideration of the potential presence of interfering gases.

d. The testing shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA, Southeast District Office. For the cryogenic condenser, testing shall be conducted during depressurization of the reactor (after reaction termination). For the carbon bed, testing shall be conducted during transfer of the reactor contents to the dilution tank (after quenching).

e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA, Southeast District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA, Southeast District Office refusal to accept the results of the emissions test(s).

f. Personnel from the Ohio EPA, Southeast District Office shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

g. A comprehensive written report on the results of the emission test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA, Southeast District Office within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Ohio EPA, Southeast District Office.

VI. Miscellaneous Requirements

1. The terms and conditions of this permit supersede those contained in PTI 06-4127, issued August 17, 1994, and modified on April 13, 2001, and September 28, 2004.

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P010 - Multipurpose Polymer Unit	None	None

2. Additional Terms and Conditions

2.a None.

II. Operational Restrictions

None.

III. Monitoring and/or Recordkeeping Requirements

None.

IV. Reporting Requirements

None.

V. Testing Requirements

None.

VI. Miscellaneous Requirements

None.

ATTACHMENT A

Section 63.2460(c)

(6) Outlet concentration correction for supplemental gases. If you use a control device other than a combustion device to comply with a TOC, organic HAP, or hydrogen halide and halogen HAP outlet concentration emission limit for batch process vents, you must correct the actual concentration for supplemental gases using Equation 1 of this section; you may use process knowledge and representative operating data to determine the fraction of the total flow due to supplemental gas.

Where:

Ca = corrected outlet TOC, organic HAP, or hydrogen halide and halogen HAP concentration, dry basis, ppmv;

Cm = actual TOC, organic HAP, or hydrogen halide and halogen HAP concentration measured at control device outlet, dry basis, ppmv;

Qa = total volumetric flowrate of all gas streams vented to the control device, except supplemental gases;

Qs = total volumetric flowrate of supplemental gases.

Table 1 to Subpart FFFF of Part 63—Emission Limits and Work Practice Standards for Continuous Process Vents

As required in section 63.2455, you must meet each emission limit and work practice standard in the following table that applies to your continuous process vents:

For each . . .	For which . . .	Then you must . . .
1. Group 1 continuous process vent.....	a. Not applicable.....	i. Reduce emissions of total organic HAP by >=98 percent by weight or to an outlet concentration [le]20 ppmv as organic HAP or TOC by venting emissions through a closed-vent system to any combination of control devices (except a flare); or ii. Reduce emissions of total organic HAP by venting emissions through a closed vent system to a flare; or iii. Use a recovery device to maintain the TRE above 1.9 for an existing source or above 5.0 for a new source.
2. Halogenated Group 1 continuous process vent stream.	a. You use a combustion control device to control organic HAP emissions.	i. Use a halogen reduction device after the combustion device to reduce emissions of hydrogen halide and halogen HAP by >=99 percent by weight, or to[le]0.45 kg/hr, or to [le]20 ppmv; or ii. Use a halogen reduction device before the combustion device to reduce the halogen atom mass emission rate to [le]0.45 kg/hr or to a concentration [le]20 ppmv.
3. Group 2 continuous process vent at an existing source.	You use a recovery device to maintain the TRE level >1.9 but [le]5.0.	Comply with the requirements in section 63.993 and the requirements referenced therein.
4. Group 2 continuous process vent at a new source.	You use a recovery device to maintain the TRE level >5.0 but [le]8.0.	Comply with the requirements in section 63.993 and the requirements referenced therein.

Table 2 to Subpart FFFF of Part 63—Emission Limits and Work Practice Standards for Batch Process Vents

As required in section 63.2460, you must meet each emission limit and work practice standard in the following table that applies to your batch process vents:

For each . . .	Then you must . . .	And you must . . .
1. Process with Group 1 batch process vents.	a. Reduce collective uncontrolled organic HAP emissions from the sum of all batch process vents within the process by >=98 percent by weight by venting emissions from a sufficient number of the vents through a closed-vent system to any combination of control devices (except a flare); or	Not applicable.
	b. Reduce collective uncontrolled organic HAP emissions from the sum of all batch process vents within the process by >=95 percent by weight by venting emissions from a sufficient number of the vents through a closed-vent system to any combination of recovery devices; or	Not applicable.
	c. For all batch process vents within the process that are not controlled by venting through a closed-vent system to a flare or to any other combination of control devices that reduce total organic HAP to an	Not applicable.

	outlet concentration [le]20 ppmv as TOC or total organic HAP, reduce organic HAP emissions by venting emissions from a sufficient number of the vents through a closed-vent system to any combination of recovery devices that reduce collective emissions by >=95 percent by weight and/or any combination of control devices that reduce collective emissions by >=98 percent by weight.	
2. Halogenated Group 1 batch process vent for which you use a combustion device to control organic HAP emissions.	a. Use a halogen reduction device after the combustion control device; or	i. Reduce overall emissions of hydrogen halide and halogen HAP by >=99 percent; or ii. Reduce overall emissions of hydrogen halide and halogen HAP to [le]0.45 kg/hr; or iii. Reduce overall emissions of hydrogen halide and halogen HAP to a concentration [le]20 ppmv.
	b. Use a halogen reduction device before the combustion control device.	Reduce the halogen atom mass emission rate to [le]0.45 kg/hr or to a concentration [le]20 ppmv.

Table 3 to Subpart FFFF of Part 63—Emission Limits for Hydrogen Halide and Halogen HAP Emissions or PM HAP Emissions From Process Vents

As required in section 63.2465, you must meet each emission limit in the following table that applies to your process vents that contain hydrogen halide and halogen HAP emissions or PM HAP emissions:

For each . . .	You must . . .
1. Process with uncontrolled hydrogen halide and halogen HAP emissions from process vents >=1,000 lb/yr.	Reduce collective hydrogen halide and halogen HAP emissions by >=99 percent by weight or to an outlet concentration <20 ppmv by venting through a closed-vent system to any combination of control devices.
2. Process at a new source with uncontrolled PM HAP emissions from process vents >=400 lb/yr.	Reduce overall PM HAP emissions by >=97 percent by weight.

Table 4 to Subpart FFFF of Part 63—Emission Limits for Storage Tanks

As required in section 63.2470, you must meet each emission limit in the following table that applies to your storage tanks:

For each . . .	For which . . .	Then you must . . .
1. Group 1 storage tank.....	a. The maximum true vapor pressure of total HAP at the storage temperature is >=76.6 kilopascals.	i. Reduce total HAP emissions by >=95 percent by weight or to [le]20 ppmv of TOC or organic HAP and [le]20 ppmv of hydrogen halide and halogen HAP by venting emissions through a closed vent system to any combination of control devices (excluding a flare); or
		ii. Reduce total organic HAP emissions by venting emissions through a closed vent system to a flare; or
		iii. Reduce total HAP emissions by venting emissions to a fuel gas system or process.
	b. The maximum true vapor pressure of total HAP at the storage temperature is [le]76.6 kilopascals.	i. Comply with the requirements of subpart WW of this part, except as specified in section 63.2470; or
		ii. Reduce total HAP emissions by >=95 percent by weight or to <20 ppmv of TOC or organic HAP and <20 ppmv of hydrogen halide and halogen HAP by venting emissions through a closed vent system to any combination of control devices (excluding a flare); or
		iii. Reduce total organic HAP emissions by venting emissions through a closed vent system to a flare; or
		iv. Reduce total HAP emissions by venting emissions to a fuel gas system or process.
2. Halogenated vent stream from a Group 1 storage tank.	You use a combustion control device to control organic HAP emissions.	Meet one of the emission limit options specified in Item 2.a.i or ii. in Table 1 to this subpart.

Table 5 to Subpart FFFF of Part 63—Emission Limits and Work Practice Standards for Transfer Racks

As required in section 63.2475, you must meet each emission limit and work practice standard in the following table that applies to your transfer racks:

For each . . .	You must . . .
1. Group 1 transfer rack.....	a. Reduce emissions of total organic HAP by >=98 percent by weight or to an outlet concentration [le]20 ppmv as organic HAP or TOC by venting emissions through a closed-vent system to any combination of control devices (except a flare); or b. Reduce emissions of total organic HAP by venting emissions through a closed-vent system to a flare; or c. Reduce emissions of total organic HAP by venting emissions to a fuel gas system or process; or d. Use a vapor balancing system designed and operated to collect organic HAP vapors displaced from tank trucks and railcars during loading and route the collected HAP vapors to the storage tank from which the liquid being loaded originated or to another storage tank connected by a common header.
2. Halogenated Group 1 transfer rack vent stream for which you use a combustion device to control organic HAP emissions.	a. Use a halogen reduction device after the combustion device to reduce emissions of hydrogen halide and halogen HAP by >=99 percent by weight, to [le]0.45 kg/hr, or to [le]20 ppmv; or b. Use a halogen reduction device before the combustion device to reduce the halogen atom mass emission rate to [le]0.45 kg/hr or to a concentration [le]20 ppmv.

Table 6 to Subpart FFFF of Part 63—Requirements for Equipment Leaks

As required in section 63.2480, you must meet each requirement in the following table that applies to your equipment leaks:

For all . . .	And that is part of . . .	You must . . .
1. Equipment that is in organic HAP service at an existing source.	a. An MCPU with no continuous process vents.	i. Comply with the requirements of subpart TT of this part 63 and the requirements referenced therein; or ii. Comply with the requirements of subpart UU of this part 63 and the requirements referenced therein; or iii. Comply with the requirements of 40 CFR part 65, subpart F.
	b. An MCPU with at least one continuous process vent.	i. Comply with the requirements of subpart UU of this part 63 and the requirements referenced therein; or ii. Comply with the requirements of 40 CFR part 65, subpart F.
2. Equipment that is in organic HAP service at a new source.	a. Any MCPU.....	i. Comply with the requirements of subpart UU of this part 63 and the requirements referenced therein; or ii. Comply with the requirements of 40 CFR part 65, subpart F.

Table 7 to Subpart FFFF of Part 63—Requirements for Wastewater Streams and Liquid Streams in Open Systems Within an MCPU

As required in section 63.2485, you must meet each requirement in the following table that applies to your wastewater streams and liquid streams in open systems within an MCPU:

For each . . .	You must . . .
1. Process wastewater stream.....	Comply with the requirements in sections 63.132 through 63.148 and the requirements referenced therein, except as specified in section 63.2485.
2. Maintenance wastewater stream..	Comply with the requirements in section 63.105 and the requirements referenced therein, except as specified in section 63.2485.
3. Liquid streams in an open system within an MCPU.	Comply with the requirements in section 63.149 and the requirements referenced therein, except as specified in section 63.2485.

Table 8 to Subpart FFFF of Part 63—Partially Soluble Hazardous Air Pollutants

As specified in section 63.2485, the partially soluble HAP in wastewater that are subject to management and treatment requirements in this subpart FFFF are listed in the following table:

Chemical name . . .	CAS No.
1. 1,1,1-Trichloroethane (methyl chloroform).....	71556
2. 1,1,2,2-Tetrachloroethane.....	79345
3. 1,1,2-Trichloroethane.....	79005
4. 1,1-Dichloroethylene (vinylidene chloride).....	75354
5. 1,2-Dibromoethane.....	106934
6. 1,2-Dichloroethane (ethylene dichloride).....	107062
7. 1,2-Dichloropropane.....	78875
8. 1,3-Dichloropropene.....	542756
9. 2,4,5-Trichlorophenol.....	95954
10. 2-Butanone (MEK).....	78933
11. 1,4-Dichlorobenzene.....	106467
12. 2-Nitropropane.....	79469
13. 4-Methyl-2-pentanone (MIBK).....	108101
14. Acetaldehyde.....	75070
15. Acrolein.....	107028
16. Acrylonitrile.....	107131
17. Allyl chloride.....	107051
18. Benzene.....	71432
19. Benzyl chloride.....	100447
20. Biphenyl.....	92524
21. Bromoform (tribromomethane).....	75252
22. Bromomethane.....	74839
23. Butadiene.....	106990
24. Carbon disulfide.....	75150
25. Chlorobenzene.....	108907
26. Chloroethane (ethyl chloride).....	75003
27. Chloroform.....	67663
28. Chloromethane.....	74873
29. Chloroprene.....	126998
30. Cumene.....	98828
31. Dichloroethyl ether.....	111444
32. Dinitrophenol.....	51285
33. Epichlorohydrin.....	106898
34. Ethyl acrylate.....	140885
35. Ethylbenzene.....	100414
36. Ethylene oxide.....	75218
37. Ethylidene dichloride.....	75343
38. Hexachlorobenzene.....	118741
39. Hexachlorobutadiene.....	87683
40. Hexachloroethane.....	67721
41. Methyl methacrylate.....	80626
42. Methyl-t-butyl ether.....	1634044
43. Methylene chloride.....	75092

44. N-hexane..... 110543
45. N,N-dimethylaniline..... 121697
46. Naphthalene..... 91203
47. Phosgene..... 75445
48. Propionaldehyde..... 123386
49. Propylene oxide..... 75569
50. Styrene..... 100425
51. Tetrachloroethylene (perchloroethylene)..... 127184
52. Tetrachloromethane (carbon tetrachloride)..... 56235
53. Toluene..... 108883
54. Trichlorobenzene (1,2,4-)..... 120821
55. Trichloroethylene..... 79016
56. Trimethylpentane..... 540841
57. Vinyl acetate..... 108054
58. Vinyl chloride..... 75014
59. Xylene (m)..... 108383
60. Xylene (o)..... 95476
61. Xylene (p)..... 106423

Table 9 to Subpart FFFF of Part 63—Soluble Hazardous Air Pollutants

As specified in section 63.2485, the soluble HAP in wastewater that are subject to management and treatment requirements of this subpart FFFF are listed in the following table:

Chemical name . . .	CAS No.
1. Acetonitrile	75058
2. Acetophenone	98862
3. Diethyl sulfate	64675
4. Dimethyl hydrazine (1,1)	57147
5. Dimethyl sulfate	77781
6. Dinitrotoluene (2,4)	121142
7. Dioxane (1,4)	123911
8. Ethylene glycol dimethyl ether	110714
9. Ethylene glycol monobutyl ether acetate	112072
10. Ethylene glycol monomethyl ether acetate	110496
11. Isophorone	78591
12. Methanol	67561
13. Nitrobenzene	98953
14. Toluidine (o-)	95534
15. Triethylamine	121448

Table 10 to Subpart FFFF of Part 63—Work Practice Standards for Heat Exchange Systems

As required in section 63.2490, you must meet each requirement in the following table that applies to your heat exchange systems:

For each . . .	You must . . .
Heat exchange system, as defined in section 63.101.	Comply with the requirements of section 63.104 and the requirements referenced therein, except as specified in section 63.2490.

Table 11 to Subpart FFFF of Part 63—Requirements for Reports

As required in section 63.2520(a) and (b), you must submit each report that applies to you on the schedule shown in the following table:

You must submit a(n)	The report must contain . . .	You must submit the report . . .
1. Precompliance report.....	The information specified in section 63.2520(c).	At least 6 months prior to the compliance date; or for new sources, with the application for approval of construction or reconstruction.
2. Notification of compliance status report.	The information specified in section 63.2520(d).	No later than 150 days after the compliance date specified in section 63.2445.
3. Compliance report.....	The information specified in section 63.2520(e).	Semiannually according to the requirements in section 63.2520(b).

Table 12 to Subpart FFFF of Part 63—Applicability of General Provisions to Subpart FFFF

As specified in section 63.2540, the parts of the General Provisions that apply to you are shown in the following table:

Citation	Subject	Explanation
Section 63.1	Applicability	Yes.
Section 63.2	Definitions	Yes.
Section 63.3	Units and Abbreviations	Yes.
Section 63.4	Prohibited Activities	Yes.
Section 63.5	Construction/Reconstruction	Yes.
Section 63.6(a)	Applicability	Yes.
Section 63.6(b)(1)-(4)	Compliance Dates for New and Reconstructed sources.	Yes.
Section 63.6(b)(5)	Notification	Yes.
Section 63.6(b)(6)	[Reserved]	
Section 63.6(b)(7)	Compliance Dates for New and Reconstructed Area Sources That Become Major.	Yes.
Section 63.6(c)(1)-(2)	Compliance Dates for Existing Sources.	Yes.
Section 63.6(c)(3)-(4)	[Reserved]	
Section 63.6(c)(5)	Compliance Dates for Existing Area Sources That Become Major.	Yes
Section 63.6(d)	[Reserved]	
Section 63.6(e)(1)-(2)	Operation & Maintenance	Yes.
Section 63.6(e)(3)(i), (ii), and (v) through (viii).	Startup, Shutdown, Malfunction Plan (SSMP).	Yes, except information regarding Group 2 emission points and equipment leaks is not required in the SSMP, as specified in section 63.2525(j).
Section 63.6(e)(3)(iii) and (iv) through (G) specify the	Recordkeeping and Reporting During SSM.	No, section 63.998(d)(3) and 63.998(c)(1)(ii)(D) recordkeeping requirement for SSM events, and section 63.2520(e)(4) specifies reporting requirements.
Section 63.6(f)(1)	Compliance Except During SSM	Yes.
Section 63.6(f)(2)-(3)	Methods for Determining Compliance	Yes.
Section 63.6(g)(1)-(3)	Alternative Standard	Yes.
Section 63.6(h)	Opacity/Visible Emission (VE) Standards.	Only for flares for which Method 22 observations are required as part of a flare compliance assessment.
Section 63.6(i)(1)-(14)	Compliance Extension	Yes.
Section 63.6(j)	Presidential Compliance Exemption	Yes.
Section 63.7(a)(1)-(2)	Performance Test Dates	Yes, except substitute 150 days for 180 days. Section 63.7(a)(3) Section 114 Authority	Yes, and this paragraph also applies to flare compliance assessments as specified under section 63.997(b)(2).
Section 63.7(b)(1)	Notification of Performance Test	Yes.
Section 63.7(b)(2)	Notification of Rescheduling	Yes.
Section 63.7(c)	Quality Assurance/Test Plan	Yes, except the test plan must be submitted with the notification of the performance test if the control device controls batch process vents.
Section 63.7(d)	Testing Facilities	Yes.
Section 63.7(e)(1)	Conditions for Conducting Performance Tests.	Yes, except that performance tests for batch process vents must be conducted under worst-case conditions

		as specified in section 63.2460.
Section 63.7(e)(2)	Conditions for Conducting Performance Tests.	Yes.
Section 63.7(e)(3)	Test Run Duration	Yes.
Section 63.7(f)	Alternative Test Method	Yes.
Section 63.7(g)	Performance Test Data Analysis	Yes.
Section 63.7(h)	Waiver of Tests	Yes.
Section 63.8(a)(1)	Applicability of Monitoring Requirements.	Yes.
Section 63.8(a)(2)	Performance Specifications	Yes.
Section 63.8(a)(3)	[Reserved]	
Section 63.8(a)(4)	Monitoring with Flares	Yes.
Section 63.8(b)(1)	Monitoring	Yes.
Section 63.8(b)(2)-(3)	Multiple Effluents and Multiple Monitoring Systems.	Yes.
Section 63.8(c)(1)	Monitoring System Operation and Maintenance.	Yes.
Section 63.8(c)(1)(i)	Routine and Predictable SSM	Yes.
Section 63.8(c)(1)(ii)	SSM not in SSMP	Yes.
Section 63.8(c)(1)(iii)	Compliance with Operation and Maintenance Requirements.	Yes.
Section 63.8(c)(2)-(3)	Monitoring System Installation	Yes.
Section 63.8(c)(4)	CMS Requirements	No. CMS requirements are specified in referenced subparts G and SS of this part 63.
Section 63.8(c)(4)(i)-(ii)		Only for the alternative standard, but section 63.8(c)(4)(i) does not apply because the alternative standard does not require continuous opacity monitoring systems (COMS).
Section 63.8(c)(5)	COMS Minimum Procedures	No. Subpart FFFF does not contain opacity or VE limits.
Section 63.8(c)(6)	CMS Requirements	Only for the alternative standard in section 63.2505.
Section 63.8(c)(7)-(8)	CMS Requirements	Only for the alternative standard in section 63.2505. Requirements for CPMS are specified in referenced subparts G and SS of this part 63.
Section 63.8(d)	CMS Quality Control	Only for the alternative standard in section 63.2505.
Section 63.8(e)	CMS Performance Evaluation	Only for the alternative standard in section 63.2505, but section 63.8(e)(5)(ii) does not apply because the alternative standard does not require COMS.
Section 63.8(f)(1)-(5)	Alternative Monitoring Method	Yes, except you may also request approval using the precompliance report.
Section 63.8(f)(6)	Alternative to Relative Accuracy Test.	Only applicable when using CEMS to demonstrate compliance, including the alternative standard in section 63.2505.
Section 63.8(g)(1)-(4)	Data Reduction	Only when using CEMS, including for the alternative standard in section 63.2505, except that the requirements for COMS do not apply because subpart FFFF has no opacity or VE limits, and section 63.8(g)(2) does not apply

because data reduction requirements for CEMS are specified in section 63.2450(j).

Section 63.8(g)(5)..... Data Reduction.....No. Requirements for CEMS are specified in section 63.2450(j). Requirements for CPMS are specified in referenced subparts G and SS of this part 63.

Section 63.9(a)..... Notification Requirements.....Yes.

Section 63.9(b)(1)-(5)..... Initial Notifications.....Yes.

Section 63.9(c)..... Request for Compliance Extension...Yes.

Section 63.9(d)..... Notification of Special Compliance Requirements for New Source. Yes.

Section 63.9(e)..... Notification of Performance Test...Yes.

Section 63.9(f)..... Notification of VE/Opacity Test....No. Subpart FFFF does not contain opacity or VE limits.

Section 63.9(g)..... Additional Notifications When Using CMS..Only for the alternative standard in section 63.2505.

Section 63.9(h)(1)-(6)..... Notification of Compliance Status.. Yes, except subpart FFFF has no opacity or VE limits, and section 63.9(h)(2)(i)(A) through (G) and (ii) do not apply because section 63.2520(d) specifies the required contents and due date of the notification of compliance status report.

Section 63.9(i)..... Adjustment of Submittal Deadlines..Yes.

Section 63.9(j)..... Change in Previous Information.....No, section 63.2520(e) specifies reporting requirements for process changes.

Section 63.10(a)..... Recordkeeping/Reporting.....Yes.

Section 63.10(b)(1)..... Recordkeeping/Reporting.....Yes.

Section 63.10(b)(2)(i)-(ii), (iv), (v).. Records related to SSM.....No, sections 63.998(d)(3) and 63.998(c)(1)(ii)(D) through (G) specify recordkeeping requirements for periods of SSM.

Section 63.10(b)(2)(iii)..... Records related to maintenance of air pollution control equipment. Yes.

Section 63.10(b)(2)(vi), (x), and (xi).. CMS Records.....Only for CEMS; requirements for CPMS are specified in referenced subparts G and SS of this part 63.

Section 63.10(b)(2)(vii)-(ix)..... Records.....Yes.

Section 63.10(b)(2)(xii)..... Records.....Yes.

Section 63.10(b)(2)(xiii)..... Records.....Only for the alternative standard in section 63.2505.

Section 63.10(b)(2)(xiv)..... Records.....Yes.

Section 63.10(b)(3)..... Records.....Yes.

Section 63.10(c)(1)-(6), (9)-(15)..... Records.....Only for the alternative standard in section 63.2505.

Section 63.10(c)(7)-(8)..... Records.....No. Recordkeeping requirements are specified in section 63.2525.

Section 63.10(d)(1)..... General Reporting Requirements.....Yes.

Section 63.10(d)(2)..... Report of Performance Test Results.Yes.

Section 63.10(d)(3)..... Reporting Opacity or VE Observations. No. Subpart FFFF does not contain opacity or VE limits.

Section 63.10(d)(4)..... Progress Reports.....Yes.

Section 63.10(d)(5)(i)..... Periodic Startup, Shutdown, and Malfunction Reports. No, section 63.2520(e)(4) and (5) specify the SSM reporting requirements.

Section 63.10(d)(5)(ii)..... Immediate SSM Reports.....No.

Section 63.10(e)(1)-(2)..... Additional CMS Reports.....Only for the alternative standard, but section 63.10(e)(2)(ii) does not apply because the alternative standard does not require

	COMS.	
Section 63.10(e)(3)	Reports	No. Reporting requirements are specified in section 63.2520.
Section 63.10(e)(3)(i)-(iii)	Reports	No. Reporting requirements are specified in section 63.2520.
Section 63.10(e)(3)(iv)-(v)	Excess Emissions Reports	No. Reporting requirements are specified in section 63.2520.
Section 63.10(e)(3)(iv)-(v)	Excess Emissions Reports	No. Reporting requirements are specified in section 63.2520.
Section 63.10(e)(3)(vi)-(viii)	Excess Emissions Report and Summary Report.	No. Reporting requirements are specified in section 63.2520.
Section 63.10(e)(4)	Reporting COMS data	No. Subpart FFFF does not contain opacity or VE limits.
Section 63.10(f)	Waiver for Recordkeeping/Reporting	Yes.
Section 63.11	Flares	Yes.
Section 63.12	Delegation	Yes.
Section 63.13	Addresses	Yes.
Section 63.14	Incorporation by Reference	Yes.
Section 63.15	Availability of Information	Yes.