

## Subpart VVVVVV, Part 63 (chemical manufacturing) GACT

GENERAL AVAILABLE CONTROL TECHNOLOGY - For affected sources as defined in §63.11494, including (NO EQUIPMENT SELECTED), the Permittee shall comply with all applicable provisions, including the notification, testing, recordkeeping, reporting and monitoring requirements contained in Environmental Management Commission Standard 15A NCAC 2D .1111 as promulgated in 40 CFR 63, Subpart VVVVVV (6V) "National Emissions Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources," including Subpart A "General Provisions."

- a. **Compliance Date** - Affected sources which commenced construction or reconstruction before October 6, 2008 ("existing sources") must be in compliance with the applicable provisions of 40 CFR 63, Subpart 6V by March 21, 2013. Affected sources that commenced construction or reconstruction on or after October 6, 2008 ("new sources") must be in compliance with the applicable provisions of this Subpart by October 29, 2009. Affected sources that commenced construction or reconstruction after October 29, 2009 must achieve compliance with the provisions of this Subpart upon startup.[§63.11494]

*(Note to Permitting Engineer: Per § 63.11494 (e) Any area source that installed a federally-enforceable control device on an affected CMPU is required to obtain a permit under 40 CFR part 70 or 40 CFR part 71 if the control device on the affected CMPU is necessary to maintain the source's emissions at area source levels. For new and existing sources subject to this rule on December 21, 2012 and subject to title V as a result of this rule, a complete title V permit application must be submitted no later than December 21, 2013. )*

- b. **Standard and Management Practices** - The Permittee shall comply with the following management practices for each chemical manufacturing process unit (CMPU) that uses as feedstocks, generates as byproducts, or produces as products any of the hazardous air pollutants (HAP) listed in Table 1 ("Table 1 HAP") of 40 CFR 63, Subpart 6V ("this subpart") at concentrations greater than 0.1% for carcinogens and greater than 1.0% for noncarcinogens, as defined by the Occupational Safety and Health Administration at 29 CFR 1910.1200(d)(4).

### All Chemical Manufacturing Process Units (CMPUs)

- i. The Permittee shall comply with the following management practices for each CMPU subject to this Subpart: [§63.11495]
  - A. Each process vessel in organic or metal HAP service shall be equipped with a cover or lid that must be in place at all times when the vessel contains HAPs, except for material addition and sampling.  
[§63.11495(a)(1)]

*(Include paragraph B if liquids or materials containing Table 1 organic*

*HAPs are transferred to tank trucks or railcars)*

Include paragraph b.i.B

- B. When liquids or materials containing Table 1 organic HAPs are transferred to tank trucks or railcars, the Permittee shall engage in at least one of the following practices, except as allowed under §63.11495(a)(2) regarding reactive or resinous materials.: [§63.11495(a)(2)]
- I. Use submerged loading or bottom loading;
  - II. Route emissions to a fuel gas system or process in accordance with §63.982(d) of Subpart SS;
  - III. Vapor balance back to the storage tank or another storage tank connected by a common header;
  - IV. Vent emissions through a closed vent system to a control device.

*(Note to Permitting Engineer: while the receiving CMPU has no additional requirements, the storage tank(s) participating in vapor balance shall be subject to this Subpart as described in Table 5)*

- C. The Permittee shall perform at least quarterly leak inspections of process vessels and equipment for each CMPU in organic or metal HAP service. Any leaks shall be repaired no later than 15 calendar days after detection, or the reason for any delay or repair shall be documented. [§63.11495(a)(3-5)]

Include Organic HAPs from Batch Process Vents  
Organic HAPs from Batch Process Vents

- ii. The Permittee shall comply with the following standards and compliance requirements for the  : [§63.11496(a)]

- A. The Permittee shall determine the organic HAP emissions from all batch process vents within a CMPU that is subject to this Rule in accordance with the procedures in §63.11496(a)(1) and (2).

*(Select paragraph B for CMPUs with less than 10,000 lbs/yr of uncontrolled HAP emissions.)*

Include paragraph b.ii.B

- B. For CMPUs with less than 10,000 lbs/yr of uncontrolled HAP emissions from batch process vents, total emissions must be reevaluated prior to making any process changes that affect the emissions calculations in §63.11496(a)(1) and (2). If projected emissions increase to 10,000 lb/yr or

more, the Permittee shall comply with the requirements for CMPUs with emissions greater than 10,000 lbs/yr upon initiating operation under the new operating conditions. [§63.11496(a)(3) and (4)]

*(Select paragraph C for CMPUs with more than 10,000 lbs/yr of uncontrolled HAP emissions.)*

Include paragraph b.ii.C

- C. For CMPUs with 10,000 pounds per year or more of uncontrolled organic HAP emissions from batch process vents, the Permittee shall comply with the emission limits and other requirements in Table 2 of this Subpart. [§63.11496(a)]

Include Organic HAPs from Continuous Process Vents  
Organic HAPs from Continuous Process Vents

- iii. The Permittee shall comply with the following standards and compliance

requirements for the  : [§63.11496(b)]

- A. The Permittee shall determine the total resource effectiveness (TRE) index value for each uncontrolled process vent within a CMPU that is subject to this Rule in accordance with the procedures in §63.11496(b)(1).

*(Select if TRE index value is less than or equal to 1.0)*

Include paragraph b.iii.B

- B. For continuous process vents with TRE index value less than or equal to 1.0, the Permittee shall comply with the emission limits and other requirements in Table 3 of this Subpart. [§63.11496(b)].

*(Select if TRE index value is greater than 1.0)*

Include paragraph b.iii.C

- C. For continuous process vents with TRE index value greater than 1.0, the Permittee shall recalculate the TRE index value before making any process or operational change that affects the parameters in the calculation. If the recalculated TRE is less than or equal to 1.0, the Permittee shall comply with the requirements for continuous process vents with TRE less than or equal to 1.0 before operating under the new operating conditions. [§63.11496(b)(2)]

- I. If a recovery device as defined in §63.11502 is used to maintain the TRE index value at a level between 1.0 and 4.0, the Permittee shall comply with §63.982(e) of Subpart SS and the requirements specified therein. [§63.11496(b)(3)]

*(Note to Permitting Engineer: This Subpart also references §§ 63.993 (compliance), .996 (monitoring), .998, and .999 (recordkeeping, reporting, initial notifications, possible stack tests) for several control systems, including adsorbers, condensers, halogen reduction technologies, and thermal and catalytic incinerators. The Permitting Engineer may need to tailor specific control device permit conditions based upon this Rule if the facility elects to comply under this Condition).*

Include Combined Streams

Combined Streams

- iv. If organic HAP emissions from batch process vents and continuous process vents are combined, the Permittee shall comply with the more stringent standard in Table 2 or Table 3 to this Subpart that applies to portion of the combined stream, or comply with Table 2 for the batch process vents and Table 3 for the continuous process vents. The TRE index value for continuous process vents and the annual emissions from batch process vents shall be determined for the individual streams before they are combined, and prior to any control, in order to determine the most stringent applicable requirements. [§63.11496(c)]

Include Processes Venting Halogens

Processes Venting Halogens *(Note to Permit Engineer: select if a CMPU controls hydrogen halide and halogen HAPs using a combustion-based control device)*

- v. Emissions of hydrogen halide and halogen HAP shall be controlled using a halogen reduction device by greater than or equal to 95% reduction, to less than or equal to 0.45 kilograms per hour (kg/hr), or to a concentration of no more than 20 ppmv. Alternatively, the halogen atom mass emission rate before the combustion device shall be reduced to less than or equal to 0.45 kg/hr or to a concentration of no more than 20 ppmv. The halogen reduction device shall also comply with §63.994 of Subpart SS. [§63.11496(d)]

*(Note to Permitting Engineer: This section of the Subpart refers to halogen scrubbers and other halogen reduction devices. Combustion-based control devices would be considered an 'other halogen reduction device' for purposes of this Rule. This section describes operating, performance test, and monitoring requirements). [§63.11496(d)]*

Include Processes Venting Metal HAPs

Processes Venting Metal HAPs

vi. The Permittee shall comply with the following standards and compliance

requirements for the  , except in cases when the only metal HAP are in a liquid solution or other form that will not result in particulate emissions: [§63.11496(f)]

- A. The Permittee shall determine the sum of metal HAP emissions from all metal HAP process vents within a CMPU that is subject to this Rule in accordance with the procedures in §63.11496(f)(1). The Permittee shall maintain records of the emissions calculations.

*(Select paragraph B if total metal HAP emissions are less than 400 lbs/yr)*

Include paragraph b.vi.B

- B. If total metal HAP emissions are less than 400 lbs/yr, the Permittee shall keep records of either the number of batches operated per month for batch vents or the process operating hours for continuous vents. The Permittee shall reevaluate the total emissions before making any process or operational change that affects the emissions of metal HAP. If the projected emissions increase to 400 lb/yr or more, the Permittee shall comply with the requirements for process vents with metal emissions greater than 400 lb/yr upon initiating operation under the new operating conditions and maintain records of the recalculated emissions determinations. [§63.11496(f)(2)]

*(Select paragraph C if total metal HAP emissions are greater than or equal to 400 lbs/yr)*

Include paragraph b.vi.C

- C. If total metal HAP emissions are greater than or equal to 400 lbs/yr, the Permittee shall comply with the emission limits and other requirements in Table 4 of this Subpart by reducing collective uncontrolled metal HAP emissions by 95% or greater by weight by routing emissions from a sufficient number of the metal process vents through a closed-vent system to any combination of control devices. [§63.11496(f)]

*(Note to permit writer, select ONE of the following two options, as applicable. The first option will be applicable to all facilities except for new sources using a baghouse as a control device.)*

*(Option 1 - default)*

Include paragraph b.vi.C option 1

Additionally, the Permittee shall demonstrate initial and continuous compliance as follows: [§63.111496(f)]

- I. Prepare a monitoring plan and operate and maintain the control device according to the site-specific monitoring plan at all times.

The monitoring plan must contain the information listed in §63.11496(f)(3)(i)(A) through (E). [§63.11496(f)(3)(i)]

- II. Conduct a performance test or an engineering assessment for each CMPU subject to a HAP metals emissions limit in Table 4 to this Subpart and report the results in the Notification of Compliance Status (NOCS) report. Sampling for each performance test must be conducted at both the inlet and outlet of the control device. If you own or operate an existing affected source, you are not required to conduct a performance test if a prior performance test was conducted within the 5 years prior to the effective date using the same methods specified in paragraph (f)(3)(iii) of this section, and, either no process changes have been made since the test, or, if you can demonstrate that the results of the performance test, with or without adjustments, reliably demonstrate compliance despite process changes. [§63.11496(f)(3)(ii)]

*(Note to permit engineer, if a performance test has been conducted within 5 years of effective date of rule and no process changes have been made, then the facility does not have to retest)*

- III. Any performance test conducted must be in accordance with §63.11410(j) of Subpart NNNNNN. As an alternative to conducting a performance test using Method 5 or 5D to determine the concentration of PM, Method 29 in 40 CFR part 60, appendix A-8 may be used to determine the concentration of HAP metals. Initial compliance is demonstrated if the overall reduction of either HAP metals or total PM is equal to or greater than 95 percent. [§63.11496(f)(3)(iii)]

*(Option 2 - for new sources using a baghouse as a control device)*

- Include paragraph b.vi.C option 2

Additionally, the Permittee shall demonstrate initial and continuous compliance by installing operating, and maintaining a bag leak detection system on all baghouses used to comply with the HAP metals emissions limit in Table 4 to this Subpart. The Permittee shall also comply with the testing, monitoring, and recordkeeping requirements in §63.11410(g), (i), and (j)(1) of Subpart NNNNNN, except that the Permittee is not required to submit the monitoring plan required by §63.11410(g)(2) for approval. [§63.11496(f)(4)]

*(Note to Permitting Engineer: This Subpart refers to chromium HAPs only; the Subpart sections referenced above may be applicable to other metal HAPs).*

vii.

- Include Storage Tanks containing Organic HAPs  
Storage Tanks containing Organic HAPs

viii. The Permittee shall comply with the emission limits and other requirements in Table 5 to this Subpart, and to the following requirements for planned routine

maintenance for control devices for the   :  
[§63.11497(a) and (b)]

- A. Add no material to the storage tank during periods of planned routine maintenance.
- B. Limit periods of planned routine maintenance for each control device (or series of control devices) to no more than 240 hrs/yr, or 360 hrs/yr if the Permittee has applied for and been granted an extension as allowed under §63.11497(b)(2).
- C. Keep records of the day and time at which planned routine maintenance periods begin and end, and keep a record of the type of maintenance performed.

- Include Wastewater Treatment Systems  
Wastewater Treatment Systems

ix. The Permittee shall comply with the following for the

: [§63.11498(a) and (b)]

- A. Determine the total concentration of partially soluble HAP in each wastewater stream in accordance with the procedures in §63.11496(f)(1) for all wastewater streams from a CMPU subject to this Subpart. The Permittee shall reevaluate the concentration if any process or operational changes are made that would affect the concentration of partially soluble HAP in a wastewater stream. It is not required to determine the partially soluble concentration in wastewater that is hard piped to a combustion unit or hazardous waste treatment unit, as specified in Table 6, Item 2.b to this subpart.
- B. Comply with the requirements of Table 6 of this Subpart for all wastewater streams from a CMPU subject to this Subpart. Wastewater streams from such CMPUs shall be discharged to an onsite or offsite treatment plant. Wastewater streams with a partially soluble HAP concentration greater than or equal to 10,000 parts per million by weight

(ppmw) and the wastewater stream contains a separate organic phase, the Permittee shall also perform one of the following: [§63.11498(a)]

- I. Use a decanter, steam stripper, thin film evaporator, or distillation unit to separate the water phase from the organic phase(s). The water phase shall discharge to onsite or offsite treatment. The organic phase shall be recycled or disposed as hazardous waste onsite or offsite, as described in Table 6; OR
- II. Hard pipe the entire wastewater stream to onsite treatment as a hazardous waste, or hard pipe the entire wastewater stream to a point of transfer for offsite treatment as a hazardous waste.

Include Heat Exchange Systems ( $\geq 8000$  gpm cooling fluid)  
Heat Exchange Systems ( $\geq 8000$  gpm cooling fluid)

*(Note to Permitting Engineer: This section applies to heat exchange systems with a cooling water flow rate  $\geq 8000$  gpm and not subject to 40 CFR 63, Subpart F: National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry (§63.104). This Rule requires the heat exchange system to comply with either §§63.104(b) or 63.104(c) through (f)).*

- x. Each heat exchange system with a cooling water flow rate that is equal to or greater than 8,000 gpm and that is not meeting one or more of the conditions in §63.104(a) of Subpart F shall comply with ONE of the requirements specified in Table 8 to this Subpart. [§63.11499(a)]

Include Heat Exchange Systems ( $< 8000$  gpm cooling fluid)  
Heat Exchange Systems ( $< 8000$  gpm cooling fluid)

- xi. The Permittee shall comply with the following standards for each heat exchange system subject to this Subpart with a cooling water flow rate less than 8,000 gpm and not meeting one or more of the conditions in §63.104(a). As an alternative, the Permittee can comply with any one of the requirements in Item 1.a or 1.b of Table 8 to this Subpart. [§63.11495(b)]
  - A. Develop and operate in accordance with a heat exchange system inspection plan. Inspections shall be performed at least quarterly. The plan must describe the inspections to be performed that will provide evidence of hydrocarbons in the cooling water. Among other things, inspections may include checks for visible floating hydrocarbon on the water, hydrocarbon odor, discolored water, and/or chemical addition rates. Inspections shall be conducted quarterly, even if the previous inspection



determined that the indications of a leak did not constitute a leak as defined by §63.104(b)(6). [§63.11495(b)(1)]

- B. Perform repairs to eliminate leaks and any indications of leaks or demonstrate that the HAP concentration in the cooling water does not constitute a leak, as defined by §63.104(b)(6), within 45 calendar days after indications of the leak are identified, or the Permittee must document the reason for any delay of repair in the next semiannual compliance report. [§63.1195(b)(2)]

*(Note to Permitting Engineer: For any CMPU, heat exchange system, or wastewater system subject to the provisions of both this Subpart and another rule, the Permittee may elect to comply only with the more stringent provisions as specified in §63.11500(a) through (d) of this Subpart. The Permittee must consider all provisions of the rules, including monitoring, recordkeeping, and reporting and must identify the subject CMPU, heat exchange system, and/or wastewater system, and the provisions which will be complied with in the NOCS report required by §63.11501(b). The Permittee must demonstrate in the NOCS report that each provision which will be complied with is at least as stringent as the otherwise applicable requirement in this Subpart. The Permittee is responsible for making accurate determinations concerning the more stringent standards and noncompliance with this rule is not excused if it is later determined that a determination was in error and, as a result, is in violation with this Subpart. Compliance with this rule is the responsibility of the Permittee and the NOCS report does not alter or affect that responsibility). [§63.11500]*

- c. **Recordkeeping Requirements** - In addition to any other recordkeeping requirements of the Environmental Protection Agency (EPA), the Permittee shall maintain records as follows for each affected source. All records shall be maintained for 5 years, unless otherwise stated.

All Chemical Manufacturing Process Units

- i. The Permittee shall keep records of the following items:
  - A. Records of management practice inspections, repairs, and reasons for any delay of repair, as specified in §63.11495(a)(5); [63.11501(c)(1)(i)]
  - B. Keep records of all transferred liquids that are reactive or resinous materials, as defined in §63.11052(b), and not included in the NOCS. [§63.11501(c)(7)]
  - C. Records of the date, time, and duration of each malfunction of operation of process equipment, control devices, recovery devices, or continuous monitoring systems used to comply with this subpart that causes a failure to meet a standard. The record must include a list of the affected sources or equipment, an estimate of the volume of each regulated pollutant

emitted over the standard, and a description of the method used to estimate the emissions. [§63.11501(c)(1)(vii)]

- D. Records of actions taken during periods of malfunction to minimize emissions in accordance with § 63.11495(d), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [§63.11501(c)(1)(viii)]

Include Organic HAPs from Batch Process Vessels  
Organic HAPs from Batch Process Vessels (venting HAP emissions of less than 10,000 pounds per year)

- ii. The Permittee shall keep records of the following items for each CPMU that vents HAP emissions of less than 10,000 pounds per year: [§63.11501(c)(1)(iii)]
  - A. Batch process vent emission calculations as specified in §63.11496(a)(1);
  - B. The number of batches operated each month, as specified in §63.11496(a)(3);
  - C. Any updates or revisions of batch process emission calculations, as specified in §63.11496(a)(3);
  - D. Alternately, the Permittee can keep records of the worst case processes or organic HAP usage, as specified in §63.11496(a)(2) and §63.11496(a)(4), respectively. [§63.11501(c)(1)(iii)]

Include table 2 that route emissions to a control device other than a flare  
For batch process vents subject to Table 2 that route emissions to a control device other than a flare

- iii. For batch process vents subject to Table 2, if said process routes emissions to a control device other than a flare, the Permittee shall also keep records of the following items: [§63.11501(c)(2)(i)]
  - A. Performance tests as specified in §63.998(a)(2)(ii) and (4);
  - B. Monitoring system and parameters as specified in §63.998(b) and (c);
  - C. Records of the closed-vent system as specified in §63.998(d)(1).

Include table 2 that route emissions to a flare  
For batch process vents subject to Table 2 that route emissions to a flare

iv. For batch process vents subject to Table 2, if said process routes emissions to a flare, the Permittee shall also keep records of the following items:  
[§63.11501(c)(2)(ii)]

- A. Flare compliance assessments, as specified in §63.998(a)(1)(i);
- B. Pilot flame monitoring, as specified in §63.998(a)(1)(ii) and (iii);
- C. Records of the closed-vent system as specified in §63.998(d)(1).

Include Organic HAPs from Continuous Process Vessels  
Organic HAPs from Continuous Process Vessels

v. The Permittee shall keep records of all TRE calculations for continuous processes, including any updates or revisions of TRE calculations, as specified in §63.11496(b)(2). [§63.11501(c)(1)(iv)]

Include table 3 that route emissions to a control device other than a flare  
For continuous process vents subject to Table 3 that route emissions to a control device other than a flare

vi. For continuous process vents subject to Table 3, if said process routes emissions to a control device other than a flare, the Permittee shall also keep records of the following items: [§63.11501(c)(2)(i)]

- A. Performance tests as specified in §63.998(a)(2)(ii) and (4);
- B. Monitoring system and parameters as specified in §63.998(b) and (c);
- C. Records of the closed-vent system as specified in §63.998(d)(1).
- D. If the Permittee uses a recovery device to maintain the TRE above 1.0 for a continuous process vent, keep records of monitoring parameters during the TRE index value determination, as specified in §63.998(a)(3).
- E. Keep records of the occurrence and duration of each startup and shutdown of operation of process equipment, or of air pollution control and monitoring equipment. [§63.11501(c)(8)]

Include table 3 that route emissions to a flare  
For continuous process vents subject to Table 3 that route emissions to flare

- vii. For continuous process vents subject to Table 3, if said process routes emissions to a flare, the Permittee shall also keep records of the following items:  
[§63.11501(c)(2)(ii)]
- A. Flare compliance assessments, as specified in §63.998(a)(1)(i);
  - B. Pilot flame monitoring, as specified in §63.998(a)(1)(ii) and (iii);
  - C. Records of the closed-vent system as specified in §63.998(d)(1).
  - D. Keep records of the occurrence and duration of each startup and shutdown of operation of process equipment, or of air pollution control and monitoring equipment. [§63.11501(c)(8)]

*(Note to Permitting Engineer: This section refers back to Subpart SS, sections 63.998, and 63.999 (recordkeeping, reporting, initial notifications, possible stack tests) to determine the recordkeeping requirements for said control device.)*

Include Metal HAPs from Batch or Continuous Process Vessels  
Metal HAPs from Batch or Continuous Process Vessels

- viii. The Permittee shall keep records of the following items:
- A. Calculations of uncontrolled and controlled metal HAP emissions as specified in §63.11496(f)(1) and (2). [§63.11501(c)(1)(v)]
  - B. If total uncontrolled metal HAP emissions are < 400 lbs/yr, keep records of the count of [Select for batch processes] batches per month, or [Select for continuous processes] operating hours, as specified in §63.11496(f)(2). [§63.11501(c)(1)(v)]
  - C. Maintain a monitoring plan as specified in §63.11496(f)(3)(i), and keep records of monitoring results as specified in §63.11496(f)(3). [§63.11501(c)(3)(i)]

*(Note to Permitting Engineer: applies to all existing sources and new sources that use a control device other than a baghouse to control metal HAP emissions)*

*(Select paragraph D for new sources that use a baghouse to control metal HAP emissions. The section references Subpart 6N. While this Rule refers*

*to chromium HAPs only; the Subpart sections referenced above may be applicable to other metal HAPs.)*

Include paragraph c.viii.D

- D. Keep a site-specific monitoring plan as specified in §63.11496(f)(4) [*This Subpart*] and §63.11410(g) [*Subpart 6N*], and keep records of bag leak detection systems, as specified in §63.11496(f)(4) [*This Subpart*] and §63.11410(g)(4) [*Subpart 6N*]. [§63.11501(c)(3)(ii)]

Include Storage Tanks containing Organic HAPs

*Storage Tanks containing Organic HAPs*

- ix. For each storage tank subject to Table 5 of this Subpart, the Permittee shall keep records of the following items: [§63.11501(c)(4)]

- A. Keep records of the vessel dimension, capacity, and liquid stored, as specified in §63.1065(a) [*Subpart WW*];

*(Select paragraph B for storage tanks with floating roof)*

Include paragraph c.ix.B

- B. Records of inspections of floating roofs, including seal gap measurements, as specified in §63.1065(b)(1) and §63.1065(b)(2) [*Subpart WW*];

*(Select paragraph C for process vents emissions to a control device other than a flare)*

Include paragraph c.ix.C

- C. If said process vents emissions to a control device other than a flare, the Permittee shall keep records of the operating plan and measured parameter values, as specified in § 63.985(c) and 63.998(d)(2).

*(Select paragraph D for process vents emissions to a flare)*

Include paragraph c.ix.D

- D. If said process vents emissions to a flare, the Permittee shall keep records of operation during which the pilot flare is absent, as specified in §§63.987(c) and 63.998(a)(1), and keep records of closed-vent systems, as specified in §63.998(d)(1).

- E. For Periods of planned routine maintenance of a control device, the Permittee shall keep records of the day and time at which each maintenance period begins and ends, and keep records of the type of maintenance performed, as specified in §63.11497(b)(3).

Include Wastewater Treatment Systems  
Wastewater Treatment Systems

- x. The Permittee shall keep records of the following items:
- A. Records identifying wastewater streams and the type of treatment they receive, as specified in Table 6 of this Subpart; [§63.11501(c)(1)(vi)]
  - B. For each wastewater stream subject to Item 2 in Table 6 to this Subpart, keep records of the wastewater stream identification and the disposition of the organic phase(s), as specified in Item 2 to Table 6 to this Subpart; [§63.11501(c)(5)]

Include Heat Exchange Systems (< 8000 gpm cooling fluid)  
Heat Exchange Systems (< 8000 gpm cooling fluid)

- xi. The Permittee shall keep records of the following items:
- A. Records of small heat exchange system inspections, demonstrations of indications of leaks that do not constitute leaks, repairs, and reasons for any delay in repair as specified in §63.11495(b). [§63.11501(c)(1)(ii)]

Include Heat Exchange Systems (>= 8000 gpm cooling fluid)  
Heat Exchange Systems (>= 8000 gpm cooling fluid)

- xii. For each large heat exchange system subject to Table 8 of this Subpart, the Permittee shall keep records of the following items: [§63.11501(c)(6)]
- A. Records of detected leaks;
  - B. The date the leak was detected;
  - C. If demonstrated not to be a leak, the basis for that determination;
  - D. The date of efforts to repair the leak;
  - E. The date the leak was repaired, as specified in Table 8 to this Subpart.

*(Note to Permitting Engineer: Table 8 states that the heat exchanger system shall comply with Subpart F, §63.104(c) through (f), or §63.104(b). The recordkeeping requirements from 6V above are similar to §63.104(e). Please refer to the exceptions in Table 8 when reviewing the Permittee's requirements under Subpart F.)*

- d. **Reporting Requirements** - In addition to any other notification requirements to the EPA, the Permittee is required to SUBMIT to the Regional Supervisor, DAQ, in WRITING, the following:
- i. **Notification of Compliance Status** - The Permittee shall submit a Notification of Compliance Status no later than June 26, 2013, or 60 days after startup, whichever is later. In addition to the requirements under §63.9(h)(2), the Permittee shall also include the following information, pursuant to §63.11501(b), as applicable:
- A. This certification of compliance, signed by a responsible official:
- I. "This facility complies with the management practices in §63.11495."
- II. "This facility complies with the requirements in §63.11496 for HAP emissions from process vents."
- III. "This facility complies with the requirements in §63.11496 and §63.11497 for surge control vessels, bottoms receivers, and storage tanks."
- IV. "This facility complies with the requirements in §63.11498 to treat wastewater streams."
- V. "This facility complies with the requirements in §63.11499 for heat exchange systems."
- B. If the Permittee complies with the alternative standard as specified in Table 2 to this Subpart or Table 3 to this Subpart, include the information specified in §63.1258(b)(5), as applicable.
- C. If the Permittee establishes an operating limit for a parameter that will not be monitored continuously in accordance with §§63.11496(g)(4) and 63.2450(k)(6), provide the information as specified in §§63.11496(g)(4) and 63.2450(k)(6).
- D. A list of all transferred liquids that are reactive or resinous materials, as defined in §63.11502(b).
- E. If the Permittee complies with provisions in an overlapping rule in accordance with §63.11500, identify the affected CMPU, heat exchange system, and/or wastewater system; provide a list of the specific provisions with which the Permittee will comply; and demonstrate that the provisions with which the Permittee will comply are at least as stringent as the otherwise applicable requirements, including monitoring, recordkeeping, and reporting requirements, in this Subpart.

ii. Semiannual Compliance Reports - The Permittee shall submit semiannual compliance reports that contain the information specified in paragraphs (d)(1) through (8) of this section, as applicable. Starting January 30, 2013, reports are required only for semiannual periods during which the Permittee experienced any of the events described in paragraphs (d)(1) through (8) of this section:  
[63.11501(d)(1-8)]

- A. *Deviations.* The Permittee must clearly identify any deviation from the requirements of this Subpart.
- B. *Delay of repair for a large heat exchange system.* The Permittee must include the information specified in §63.104(f)(2) each time the Permittee invokes the delay of repair provisions for a heat exchange system with a cooling water flow rate equal to or greater than 8,000 gal/min.
- C. *Delay of leak repair.* The Permittee must provide the following information for each delay of leak repair beyond 15 days for any process equipment, storage tank, surge control vessel, bottoms receiver, and each delay of leak repair beyond 45 days for any heat exchange system with a cooling water flow rate less than 8,000 gal/min: information on the date the leak was identified, the reason for the delay in repair, and the date the leak was repaired.
- D. *Process change.* The Permittee must report each process change that affects a compliance determination and submit a new certification of compliance with the applicable requirements in accordance with the procedures specified in paragraph (b) of this section.
- E. *Data for the alternative standard.* If the Permittee complies with the alternative standard, as specified in Table 2 to this Subpart or Table 3 to this Subpart, report the information required in §63.1258(b)(5).
- F. *Overlapping rule requirements.* Report any changes in the overlapping provisions with which the Permittee complies.
- G. *Reactive and resinous materials.* Report any transfer of liquids that are reactive or resinous materials, as defined in §63.11502(b), and not included in the NOCS.
- H. *Malfunctions.* If a malfunction occurred during the reporting period, the report must include the number of instances of malfunctions that caused emissions in excess of a standard. For each malfunction that caused emissions in excess of a standard, the report must include a list of the affected sources or equipment, an estimate of the volume of each regulated pollutant emitted over the standard, and a description of the method used to estimate the emissions. The report must also include a description of actions you took during a malfunction of an affected source to minimize



emissions in accordance with § 63.11495(d), including actions taken to correct a malfunction.

*(Note to Permitting Engineer: A Control Device used to comply with a volatile, halogen, or metal HAP emission limit may require additional reporting as dictated by Subparts F, SS, WW, 4F, or 6N.)*