Wastewater

- requirements:
  - separate a wastewater stream that contains partially soluble HAP at concentration ≥10,000 ppmw into water and organic layers, and
  - discharge all wastewater streams that contain partially soluble HAP at concentrations <10,000 ppmw to onsite or offsite treatment unit, and
  - recycle organic layer(s) to a process, use as fuel, or dispose as hazardous waste.
- records:
  - identify each wastewater stream and whether separation is required, and
  - type of treatment for each stream, and
  - disposition of separated organic layers.

Cooling tower systems

- requirements for small cooling tower systems (cooling water flow rate <8,000 gal/min):
  - develop and operate in accordance with site-specific inspection plan designed to identify process fluid leaks from heat exchangers into cooling water, and
  - conduct inspections quarterly, and
  - repair heat exchanger when inspection indicates presence of a leak, and
  - keep records of dates and results of inspections and dates and types of corrective actions.
- Requirements for large cooling tower systems (cooling water flow rate ≥8,000 gal/min):
  - conduct surrogate monitoring for the presence of HAP in the cooling water following procedures in §63.104(c) of subpart F, and
  - conduct monitoring quarterly, and
  - repair heat exchanger when inspection indicates presence of a leak, and
  - keep records of monitoring data and leaks as specified in §63.104(f)(1).

Equipment leaks

- conduct quarterly inspections for leaks from all equipment in organic HAP service
- repair equipment found to be leaking
- keep records of information about each inspection and repair

Transfer operations

- requirements:
  - conduct transfers using submerged loading and other management practices, or
  - use vapor balancing, or
  - route displaced vapors to a control device

## Initial Notification

- Information specified in §63.9(b).

## Notification of Compliance Status

- Information specified in §63.9(h), and
- Certify compliance with applicable management practice requirements, applicable emission limits, and the requirement for a startup, shutdown, and malfunction plan.

## What Are the Semiannual Reporting Requirements?

- Reports required only for semiannual reporting periods during which a deviation occurs; you invoke the delay of repair provision for large cooling tower systems; you do not repair an equipment leak or a leak in a process vessel, storage tank, or small cooling tower system within specified time periods; or you implement a process change.
- Information to include in reports, as applicable:
  - Identification of each deviation from any requirement in the rule.
  - Information required by §63.104(f)(2) of subpart F for each delay of repair of large cooling tower systems.
  - If equipment leak or a leak in process equipment, storage tank, or small cooling tower system is not repaired within specified time periods, include information on the leak detection date, repair date, and reason for delay in repair.
  - Documentation regarding each process change that affects a compliance determination, including a new certification of compliance with the newly applicable requirements.

DRAFT

# DRAFT

# Summary of PROPOSED Regulations Controlling Air Emissions from

## CHEMICAL MANUFACTURING AREA SOURCES

## NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAP)

## SUBPART VVVVVV

## PROPOSED RULE

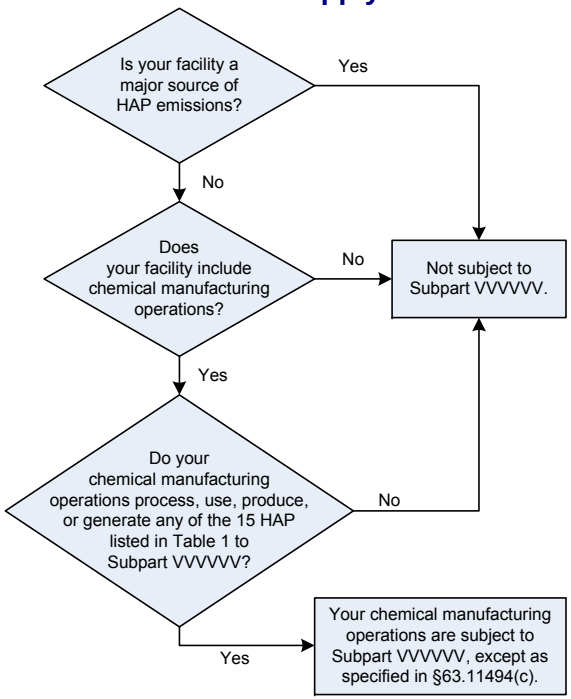
### What Is an Area Source?

- An area source is a facility that emits, or has the potential to emit in the absence of controls, less than 10 tons per year (TPY) of individual hazardous air pollutants (HAP) and 25 TPY of combined HAP.

### What Is The Affected Source?

- The affected source is the chemical manufacturing operations (CMO) located at an area source.
- CMO include all process equipment and activities involved in the production of materials described by NAICS code 325, except as excluded by §63.11494(c).
- If your CMO are subject, then all emissions points within your CMO that may emit any organic HAP or metal HAP are subject to the requirements listed on the following pages.

## Does This Rule Apply To Me?




## How is "process, use, produce, or generate HAP" defined?

- Feedstocks and products that contain greater than 0.1 percent of any of the HAP listed in Table 1 to Subpart VVVVVV that are carcinogens, as defined by OSHA at 29 CFR 1910.1200(d)(4), and greater than 1.0 percent for noncarcinogens.

## What Is The Compliance Date?

- Existing Sources: Three years after the promulgation date.
- New Sources: October 6, 2008 or upon startup if startup occurs after October 6, 2008.

## How do I know if my chemical operations are existing or new?

- You are an existing source if you commenced construction or reconstruction of the affected source before October 6, 2008.
- You are a new source if you commenced construction or reconstruction of the affected source on or after October 6, 2008.

## What Am I Required To Do?

<u>All equipment with process vents</u>

- implement management practices to minimize leaks and other emissions from all process equipment that processes material containing organic HAP or metal HAP
- conduct quarterly inspection for leaks and compliance with management practices
- repair leaking process equipment
- emission limits:
  - reduce uncontrolled total organic HAP emissions from batch process vents by ≥90% if collective organic HAP emissions from all batch process vents are ≥19,000 lb/yr (other compliance options are also allowed in the rule), and
  - reduce total organic HAP emissions by ≥95% from each continuous process vent that has a TRE ≤1.0 (other compliance options also allowed in the rule), and
  - reduce uncontrolled total metal HAP emissions from metal HAP process vents by ≥95% if collective metal HAP emissions from all metal HAP process vents are ≥100 lb/yr (or ≥400 lb/yr), and
  - if a halogenated vent stream is controlled in a combustion device, then use a halogen reduction device to a meet any of the emission limits in §63.11496(d).
- initial compliance with emission limits:
  - conduct performance test (or design evaluation for some batch process vents), or
  - flare compliance assessment as specified in subpart SS.
- ongoing compliance with emission limits:
  - monitor control device operating parameters, and
  - inspect closed vent systems (CVS) for leaks and monitor lines that bypass control devices for flow.
- records:
  - dates and results of quarterly inspections
  - dates leaking equipment repaired
  - results of CVS inspections and flow indicator monitors
  - control device monitoring parameters
  - initial calculations of organic HAP emissions from all batch process vents (or total HAP usage)
  - initial TRE calculation for each continuous process vent
  - initial calculations of metal HAP emissions from all metal HAP process vents
  - each recalculation of emissions or TRE after process changes
  - number of batches per month for each process with batch process vents, if organic HAP emission limit is not applicable
  - number of batches per month or operating hours per month for each process with metal HAP process vents, if metal HAP emission limit is not applicable

<u>Storage tanks</u>

- implement management practices to minimize leaks and other emissions from storage tanks that store liquid that contains organic HAP for leaks
- conduct quarterly inspections for leaks and compliance with management practices
- repair or remove from service each storage tank that is found to be leaking.
- emission limits:
  - implement control as specified in 40 CFR part 60, subpart Kb if the capacity of the tank and the MTVP of the stored liquid both exceed thresholds in subpart Kb
- initial and ongoing compliance requirements:
  - inspect floating roof as specified in §60.113b(a) or (b), or
  - develop and operate in accordance with site-specific operating plan as specified in §60.113b(c) if emissions are vented to a control device
- records:
  - dates and results of quarterly inspections of tank integrity
  - dates leaking tanks are repaired or removed from service
  - tank size and MTVP of stored liquid, if tank exceeds thresholds in subpart Kb
  - results of inspections of floating roofs, including seal gap measurements for external floating roofs
  - monitored parameters for control devices

**Comments on this rule can be sent to the EPA Docket-ID No. EPA–HQ–OAR–2008–0334 at www.Regulations.gov For more comment submittal choices and to review the rule, go to: http://www.epa.gov/ttn/atw/area/arearules.html#current**

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