

Company Name \_\_\_\_\_

EPA ID# No. N \_\_\_\_\_

Region/Inspector \_\_\_\_\_

Inspection Date \_\_\_\_\_

Indicate:

X Violations

Indicate:

X Satisfactory  
NA Not Applicable

## APPENDIX X

### AIR EMISSIONS-SUBPART AA, BB and CC CHECKLIST

(Only for Permitted TSDs, Interim status TSDs, and LQGs)

#### Subpart AA

Background: If a facility (TSD or LQG) manages hazardous wastes greater than 10 ppmw of organics in a process vent used in distillation, fractionation, solvent extraction, thin-film evaporation, air or steam stripping, Subpart AA may apply. Subpart AA would not apply in a bona fide closed loop scenario at LQGs and TSDs. To comply, the facility would need to determine if the process vent(s) releases greater than 3.0 lbs/hr or 3.1 tons/year of organic air emissions to the atmosphere. If it does not release that much then the facility is in compliance with Subpart AA. If its emissions are greater, then a control device is necessary to bring the facility into compliance. The control device may be a condenser, flare, carbon absorber, etc., that brings the equipment's emissions rate below 3.0 lbs/hr **and** 3.1 tons/year, **or** reduces the organic emissions by 95%.

Objective: The Inspector should try to determine if Subpart AA applies at a particular facility and, if applicable, evaluate the facility's efforts to achieve compliance. Has the facility calculated or measured the organic emissions from all vents and compared that with the emissions limit?

#### 1. IDENTIFICATION OF AFFECTED PROCESS VENTS - 373-3.27(a)

- (a) Does the facility have any hazardous waste management unit using the following process?      ☐ Yes      ☐ No

☐ Distillation  
☐ Fractionation  
☐ Thin-film evaporation  
☐ Solvent extraction  
☐ Air stripping  
☐ Steam Stripping

Indicate:

X Violations

Indicate:

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NA Not Applicable

- (b) Are any of these units/processes exempt under the closed-loop recycle exemption? ☐ Yes ☐ No

Please Explain: \_\_\_\_\_

\_\_\_\_\_

- (c) Does the facility manage hazardous wastes greater than 10 ppmw of organics in a process vent used in above processes?

☐ Yes. (Complete Subpart AA)

☐ No. (Describe the information/documentation used to make the determination and collect the supporting documentation. Proceed to the Subpart BB checklist.)

\_\_\_\_\_

\_\_\_\_\_

2. STANDARDS FOR PROCESS VENTS - 373-3.27(c)

- (a) Total organic emissions from all affected process vents at the facility are below 3 lb/hr and 3.1 tons/yr. - 373-3.27(c)(1)(i):

☐ If Yes, the calculations/analysis or performance tests are done according to 373-3.27(e). (Provide copies of the calculation and associated information - 373-3.27(c)(3).) ☐

☐ If No, did the facility reduce the total organic emissions, by using a control device, from all affected vents at the facility by 95 weight percent: 373-3.27(c)(1)(ii). (All TSDs must have the control device in place and for LQGs by June 1999.) ☐

3. STANDARDS FOR CLOSED-VENT SYSTEMS AND CONTROL DEVICES - 373-3.27(d)

- (a) Please explain/describe the type of control device used at the facility:

\_\_\_\_\_

- (b) ☐ The closed-vent system and control device must meet the requirements of subdivision 373-3.27(d); 373-3.27(c)(2). ☐

- (c) ☐ The owner or operator shall monitor and inspect all control devices at least each operating day to ensure proper operation - 373-3.27(d)(6). ☐

- (d) ☐ The owner or operator shall repair all detected defects as soon as practicable, but not later than 15 calendar days after the defect is detected - 373-3.27(d)(11)(iii)(a). ☐

Indicate:

X Violations

Indicate:

X Satisfactory  
NA Not Applicable

- (e)    \_\_\_    A first attempt at repair shall be made no later than    \_\_\_  
          five calendar days after the defect is detected -  
          373-3.27(d)(11)(iii)(b).

4.    RECORDKEEPING REQUIREMENTS - 373-3.27(f)

- (a)    \_\_\_    Owners and operators must record the following    \_\_\_  
          information in the facility operating record -  
          373-3.27(f)(2).
1.    \_\_\_    Information and data identifying all affected    \_\_\_  
          process vents, annual throughput and operating  
          hours of each affected unit, estimated emission  
          rates for each vent and for the overall facility -  
          373-3.27(f)(2)(ii)(a).
2.    \_\_\_    Information and data supporting determinations of    \_\_\_  
          vent emissions and emission reductions achieved  
          by control devices based on calculations or  
          performance tests - 373-3.27(f)(2)(ii)(b).
3.    \_\_\_    Design documentation and monitoring, operating    \_\_\_  
          and inspection information for each closed-vent  
          system and/or control device shall be recorded  
          and kept up to date in the facility operating  
          record - 373-3.27(f)(3).
4.    \_\_\_    Date of each control device startup and shutdown -    \_\_\_  
          373-3.27(f)(3)(viii).
5.    \_\_\_    The date that any leak was detected and the date    \_\_\_  
          of repairs - 373-3.27(f)(3)(x).
6.    \_\_\_    Records of the monitoring, operating and    \_\_\_  
          inspection shall be maintained at least three  
          years following the date of each occurrence,  
          measurement, maintenance, corrective action,  
          or record - 373-3.27(f)(4).

**Subpart BB**

Background: If a facility (TSD or LQG) has equipment (any valve, pump, compressor, pressure relief device, sampling connection system, flange, open-ended valve or line) that contacts hazardous wastes greater than 10% organics, that facility is subject to the inspection and monitoring requirements of Subpart BB. If the equipment used to transport hazardous waste with greater than 10% organics is used for less than 300 hours per year, then it is excluded from the requirements of 373-3.28(c) through 373-3.28(k) of this

Indicate:

X Violations

Indicate:

X Satisfactory  
NA Not Applicable

subpart if the equipment is identified as required in 373-3.28(0)(7)(vi).

Objective: The Inspector should determine if Subpart BB applies at a particular facility and, if applicable, evaluate the facility's leak detection and repair (LDAR) program. Does it cover all the affected equipment, what is its frequency (monthly, quarterly) and are there records of timely (<15 days) equipment repair when leaks are detected?

1. IDENTIFICATION OF AFFECTED EQUIPMENT - 373-3.28(a)

- (a) Does the facility have any of the following equipment that contain or contact hazardous wastes greater than 10% organics by weights - 373-3.28(a)(2)? ☐ Yes ☐ No

☐ Pumps  
☐ Compressors  
☐ Pressure relief devices  
☐ Sampling connections  
☐ Open-ended valves or lines  
☐ Valves

- (b) Is any of this equipment in vacuum service, which will be excluded from this requirement - 373-3.28(a)(4)? ☐ Yes ☐ No

Please Explain: \_\_\_\_\_

- (c) Is any of this equipment that contains or contacts hazardous waste with an organic concentration of at least 10% by weight for a period of less than 300 hours per calendar year, which will be excluded from this requirement - 373-3.28(a)(5)? ☐ Yes ☐ No

Please Explain: \_\_\_\_\_

- (d) ☐ Each piece of equipment covered under these requirements shall be marked in such a manner that it can be distinguished readily from other pieces of equipment - 373-3.28(a)(3).

- (e) ☐ Any equipment or device that is equipped with a closed vent system capable of capturing and transporting leakage to a control device is exempt from these requirements provided that the closed-vent systems and control devices shall comply with the provisions of subdivision 373-3.27(d); 373-3.28(k).

2. OPERATING STANDARDS:

LIGHT LIQUID SERVICE: For a hazardous waste to be in light liquid service, the vapor pressure of one or more of the organic constituents in the material must be greater than 0.3 Kilopascals at 20 degrees C and the total concentration of pure organic constituents having a vapor pressure greater than 0.3 kilopascals at 20 degrees Centigrade is equal to or greater than 20% by weight.

A. Pumps in Light Liquid Service - 373-3.28(c)

- (i) ☐ Each pump shall be monitored monthly to detect leaks - 373-3.28(c)(1)(i).

Indicate:

X Violations

Indicate:

X Satisfactory  
NA Not Applicable

- (ii)    \_\_\_    Each pump shall be checked by visual inspection    \_\_\_  
each calendar week for indications of liquids  
dripping from the pump seal - 373-3.28(c)(1)(ii).
- (iii)   \_\_\_    When a leak is detected, it shall be repaired as    \_\_\_  
soon as practicable, but not later than 15  
calendar days after it is detected -  
373-3.28(c)(3)(i).
- (iv)    \_\_\_    A first attempt at repair shall be made no later    \_\_\_  
than five calendar days after each leak is  
detected - 373-3.28(c)(3)(ii).
- (v)    \_\_\_    Each pump equipped with a dual mechanical seal    \_\_\_  
system should meet the requirements of subdivision -  
373-3.28(c)(4).

B.    Compressors - 373-3.28(d)

- \_\_\_    Each compressor shall be equipped with a seal system and \_\_\_  
should meet the requirements of subdivision 373-3.28(d)(1)  
thru (9) - {i.e. daily inspection and implementation of  
leak detection and repair (LDAR) program}.

C.    Pressure Relief Devices in Gas/Vapor Service - 373-3.28(e)

- (i)    \_\_\_    Except during pressure releases, each pressure    \_\_\_  
relief device shall be operated with no detectable  
emissions - 373-3.28(e)(1).
- (ii)   \_\_\_    No later than five calendar days after each    \_\_\_  
pressure release, the device shall be monitored to  
confirm the condition of no detectable emissions,  
as indicated by an instrument reading of less than  
500 ppm above background - 337-3.28(e)(2).

D.    Sampling Connections - 373-3.28(f)

- \_\_\_    Each sampling connection shall be equipped with a    \_\_\_  
closed-purge, closed-loop, or closed-vent system and  
shall meet the requirements of subdivision -  
373-3.28(f)(1) thru (3).

E.    Open-ended Valves or Lines - 373-3.28(g)

- \_\_\_    Each open-ended valve or line shall be equipped with a    \_\_\_  
cap, blind flange, plug or a second valve and shall meet the  
requirements of subdivision - 373-3.28(g)(1), (2) & (3).

F.    Valves in Gas/Vapor Service or in Light Liquid Service - 373-3.28(h)

- (i)    \_\_\_    Each valve shall be monitored monthly to detect    \_\_\_  
leaks by specified methods - 373-3.28(h)(1).

Indicate:

X Violations

Indicate:

X Satisfactory  
NA Not Applicable

(ii) \_\_\_\_ When a leak is detected, it shall be repaired as \_\_\_\_  
soon as practicable, but no later than 15 calendar  
days after it is detected - 373-3.28(h)(4)(i).

(iii) \_\_\_\_ A first attempt at repair shall be made no later \_\_\_\_  
than five calendar days after each leak is  
detected - 373-3.28(h)(4)(ii).

G. Pump and Valves in Heavy Liquid Service, Pressure Relief Device in  
Light or Heavy Liquid Service, and Flanges and Other Connectors -  
373-3.28(i)

(i) \_\_\_\_ Pumps and valves in heavy liquid service, pressure \_\_\_\_  
relief devices in light or heavy liquid service,  
and flanges and other connectors shall be monitored  
within five days by specified methods, if evidence  
of a potential leak is found by visual, audible,  
olfactory, or any other detection method -  
373-3.28(i)(1).

(ii) \_\_\_\_ When a leak is detected, it shall be repaired as \_\_\_\_  
specified in this subdivision - 373-3.28(i)(3)  
(i.e., 15 days to repair and five days for first  
attempt).

3. RECORDKEEPING REQUIREMENTS - 373-3.28('o')

A. \_\_\_\_ The following information must be recorded in the \_\_\_\_  
facility operating record - 373-3.28('o')(2).

(i) \_\_\_\_ List all equipment to which this section applies. \_\_\_\_

(ii) \_\_\_\_ Equipment ID number and hazardous waste \_\_\_\_  
management unit identification.

(iii) \_\_\_\_ Approximate locations of units within the facility. \_\_\_\_

(iv) \_\_\_\_ Type of equipment (e.g., plum or valve). \_\_\_\_

(v) \_\_\_\_ Percent-by-weight total organics in the hazardous \_\_\_\_  
waste stream at the equipment.

(vi) \_\_\_\_ Physical state of hazardous waste at the equipment \_\_\_\_  
(e.g., gas/vapor or liquid).

(vii) \_\_\_\_ Method of compliance with the standard (e.g., \_\_\_\_  
"monthly leak detection and repair" or "equipped  
with dual mechanical seals").

(viii) \_\_\_\_ The date the leak was detected and the date of \_\_\_\_  
repairs - 373-3.28('o')(4).

**Subpart CC**

Overview: The Subpart CC regulations apply to large quantity generators and treatment, storage and/disposal facilities that manage hazardous waste of volatile organic concentration of 500 ppmw or more on an average annual basis

Indicate:

X Violations

Indicate:

X Satisfactory  
NA Not Applicable

in tanks and containers.

For tank storage, there are two levels that a facility may use to manage their waste. Tank Level 1 requires a fixed roof tank which uses a maximum organic vapor pressure to comply with Subpart CC. Tank Level 2 designs can be one of five options. These are: (1) an Internal Floating Roof (2) an External Floating Roof (3) a tank with a Fixed Roof vented through a closed-vent system to a control device (4) a Pressure Tank (5) a tank located inside an enclosure that is vented through a closed-vent system to an enclosed combustion device.

Most of the facilities will comply with Tank Level 1 which is the easiest to follow. The other option that will be seen a lot would be Tank Level 2 Option 3. The other options will be limited to a small number of facilities.

For container storage, most of the facilities will store their waste in DOT approved containers. RCRA regulations already cover such storage and, as a result, most facilities will be in compliance with the container storage regulations of the Subpart CC regulations.

1. IDENTIFICATION AND APPLICABILITY:

- A. Does the facility have any of the following units that treat, store or dispose of hazardous waste with volatile organic (VO) concentrations of 500 ppmw or more on an average annual basis?

☐ Yes ☐ No

☐ Tanks  
☐ Containers  
☐ Surface Impoundments

B. 373-3.29(a)(2) Exemptions:

- (i) ☐ Unit did not receive hazardous waste after 12/6/96.  
(ii) ☐ Container that has less than 26 gallons capacity.  
(iii) ☐ Unit undergoing closure.  
(iv) ☐ Units used in on-site RCRA or CERCLA cleanup.  
(v) ☐ Unit solely used for radioactive mixed hazardous waste.  
(vi) ☐ Units with Clean Air Act (CAA) air emission controls.  
(vii) ☐ Tanks with process vents (Subject to Subpart AA).

C. 373-3.29(d)(3) Exemptions:

- (i) ☐ Units for which all hazardous waste entering the unit has an average VO concentration at the point of waste origination of less than 500 ppmw.  
(ii) ☐ Units for which the organic content of all hazardous waste entering the unit has been reduced by an organic destruction or removal process in accordance with 373-3.29(d)(3)(ii).  
(iii) ☐ Tanks used for biological treatment of hazardous waste in accordance with 373-3.29(d)(3)(ii)('d').  
(iv) ☐ All waste placed in the unit meets 376.4 (LDR) requirements.  
(v) ☐ Tank used for bulk feed of hazardous waste to a waste incinerator in accordance with 373-3.29(d)(3)(v).

D. Other 373-1.1(d) general exclusions/exemptions:

Indicate:

X Violations

Indicate:

X Satisfactory  
NA Not Applicable

- (i) ☐ Hazardous waste recycling unit exemption.
- (ii) ☐ Totally enclosed treatment unit exemption.
- (iii) ☐ Elementary neutralization unit exemption.
- (iv) ☐ Wastewater treatment unit exemption.
- (v) ☐ Emergency or spill management unit exemption.
- (vi) ☐ Satellite accumulation containers.

E. Waste determinations:

- (i) ☐ An owner or operator shall determine the average ☐  
VO concentration at the point of waste origination  
for each hazardous waste management unit exempted  
under (VO < 500 ppmw) the provisions of 373-  
3.29(d)(3)(i)  
from using air emission controls - 373-3.29(e)(1)(i).
- (ii) ☐ The average VO concentration of hazardous waste at ☐  
the point of waste origination shall be determined -  
373-3.29(e)(1)(ii).
  - (a) ☐ by using direct measurement as specified in ☐  
373-3.29(e)(1)(iii) OR
  - (b) ☐ by using knowledge as specified in ☐  
373-3.29(e)(1)(iv).

2. STANDARDS FOR TANKS - 373-3.29(f)

- A. ☐ The owner or operator shall control air pollutant ☐  
emissions from the tank in accordance with the Tank  
**Level 1** controls as specified in 373-3.29(f)(3) OR  
Tank **Level 2** controls as specified in 373-3.29(f)(4).

B. Tank Level 1 Controls:

- 1. ☐ Tank must meet the following three conditions to ☐  
qualify to use Level 1 controls - 373-3.29(f)(2)(i).
  - (i) ☐ Waste maximum organic vapor pressure should ☐  
be less than the cutoff for tank design  
capacity - 373-3.29(f)(2)(i)(a).
  - (ii) ☐ No heating of hazardous waste in tank to or ☐  
above the temperature at which maximum  
organic vapor pressure is determined -  
373-3.29(f)(2)(i)(b).
  - (iii) ☐ No waste stabilization in the tank - ☐  
373-3.29(f)(2)(i)(c).
- 2. ☐ Maximum organic vapor pressure for hazardous waste ☐  
to be managed in the tank, using Level 1 control,  
should be determined according to 373-3.29(e)(3);  
373-3.2(f)(3)(i).
- 3. ☐ The tank shall be equipped with a fixed roof ☐



Indicate:

X Violations

Indicate:

X Satisfactory  
NA Not Applicable

meeting the following requirements -  
373-3.29(f)(3)(ii).

- (i) ☐ Fixed roof designed with no visible cracks, ☐  
holes, gaps or other open spaces in roof  
seams and mountings.
- (ii) ☐ Fixed roof openings can be: ☐
  - ☐ Equipped with closure device designed ☐  
with no visible cracks, holes, gaps,  
or other open spaces when secured in  
closed position.
  - ☐ Equipped with permanent opening vented ☐  
to organic emission control device.
  - ☐ Equipped with pressure relief device ☐  
vented to atmosphere.
- (iii) ☐ Closure device to be maintained in a closed ☐  
position except when necessary to access the  
waste or equipment under the cover.

C. Tank Level 2 Controls:

Tank using Tank Level 2 controls shall use one of the following  
Five control alternatives:

- 1. ☐ Fixed roof tank with internal floating roof.
  - 2. ☐ External floating roof.
  - 3. ☐ Tank vented through a closed-vent system to a  
control device.
  - 4. ☐ Pressure Tank
  - 5. ☐ Tank inside enclosure vented to combustion  
control device.
- 
- 1. ☐ Tank using Level 2 control with a fixed roof with ☐  
an internal floating roof shall meet the  
requirements specified in 373-3.29(f)(5).
  - 2. ☐ Tank using Level 2 control with external floating ☐  
roof shall meet the requirements specified in 373-  
3.29(f)(6).
  - 3. ☐ Tank using Level 2 control by venting the fixed ☐  
roof tank to a control device shall meet the  
following requirements as specified in 373-3.29(f)(7).
    - (i) ☐ The fixed roof and its closure devices shall ☐  
form a continuous barrier over the entire  
surface area of the liquid in the tank.
    - (ii) ☐ Each opening in the fixed roof not vented to ☐  
the control device shall be equipped with a  
closure device.
    - (iii) ☐ Closure device to be maintained in a closed ☐  
position and the vapor headspace underneath  
the fixed roof vented to the control device.

Indicate:

X Violations

Indicate:

X Satisfactory  
NA Not Applicable

4.     \_\_\_     Tank using Level 2 control by a pressure tank     \_\_\_  
                  shall meet the requirements as specified in  
                  373-3.29(f)(8).

5.     \_\_\_     Tank using Level 2 control with tank inside the     \_\_\_  
                  enclosure vented to combustion control device shall  
                  meet the requirements as specified in 373-3.29(f)(9).

D.     Waste Transfer Requirements:

\_\_\_     Transfer of hazardous waste to the tank from another     \_\_\_  
                  tank subject to using air emission controls under  
                  Subpart CC must be conducted according to 373-3.29(f)(10)  
                  requirements by using continuous hard-piping or another  
  
                  closed system that does not allow exposure of the waste  
                  to the atmosphere.

E.     Inspections and Monitoring:

1.     \_\_\_     The owner or operator shall perform an initial     \_\_\_  
                  inspection of the tank cover and its closure device  
                  and, thereafter, the subsequent inspection and  
                  monitoring should be performed at least once a year  
                  as specified in 373-3.29(f) & (i); 373-3.29(j)(1).

2.     \_\_\_     The owner or operator shall develop and implement     \_\_\_  
                  a written plan and schedule to perform the  
                  inspections and monitoring - 373-3.29(j)(2).

3.     \_\_\_     Each defect detected during the inspection shall     \_\_\_  
                  be repaired as soon as practicable but no later  
                  than 45 calendar days after the detection. A first  
                  effort at repair shall be made no later than five  
                  calendar days after the detection - 373-3.29(f)(11).

F.     Recordkeeping Requirements:

1.     \_\_\_     For fixed roof tank with Level 1 control, the     \_\_\_  
                  records for each determination of maximum organic  
                  vapor pressure of the hazardous waste in tank -  
                  373-3.29(k)(2)(ii)('a').

2.     \_\_\_     Records of inspection dates and defect repairs -     \_\_\_  
                  373-3.29(k)(2)(i)('b').

3.     \_\_\_     Design documentation for floating roof covers and     \_\_\_  
                  enclosures - 373-3.29(k)(ii)('b').

3.     STANDARDS FOR CONTAINERS - 373-3.29(h)

A.     General Requirements.

1.     \_\_\_     For a container with design capacity greater than     \_\_\_  
                  0.1m<sup>3</sup> (26 Gal) and less than 0.46m<sup>3</sup> (119 Gal), and  
                  no waste stabilization in container shall use  
                  container **Level 1** control - 373-3.29(h)(2)(i)('a').

Indicate:

X Violations

Indicate:

X Satisfactory  
NA Not Applicable

2.     \_\_\_     For a container with design capacity greater than     \_\_\_  
0.46m<sup>3</sup> (119 Gal) that is not in light material  
service, and no waste stabilization in container  
shall use container **Level 1** control -  
373-3.29(h)(2)(i)('b').
3.     \_\_\_     For a container with design capacity greater than     \_\_\_  
0.46m<sup>3</sup> (119 Gal) that is in light material service,  
and no waste stabilization in container shall use  
container **Level 2** control - 373-3.29(h)(2)(i)('c').
4.     \_\_\_     For a container with design capacity greater than     \_\_\_  
0.1m<sup>3</sup> (26 Gal) and is used for waste stabilization  
shall use container **Level 3** control - 373-  
3.29(h)(2)(ii).

B.     Container Level 1 Standards:

Container using container Level 1 control shall use one of the  
following three control alternatives:

1.     \_\_\_     Use a container that meets the USDOT regulations     \_\_\_  
as specified in 373-3.29(h)(6); 373-3.29(h)(3)('a').
2.     \_\_\_     Use a container which is equipped with a cover and     \_\_\_  
closure devices that form a continuous barrier over  
the container openings to minimize exposure of  
hazardous waste to the atmosphere - 373-  
3.29(h)(3)('b').
3.     \_\_\_     Use a container in which an organic-vapor     \_\_\_  
suppressing barrier is placed on or over the  
hazardous waste in the container such that no  
hazardous waste is exposed to the atmosphere -  
373-3.29(h)(3)('c').

C.     Container Level 2 Standards:

1.     \_\_\_     Container using Level 2 control shall use one of     \_\_\_  
the following three control alternatives:
- (i)     \_\_\_     Use a container that meets the USDOT     \_\_\_  
regulations as specified in 373-3.29(h)(6);  
373-3.29(h)(4)(i)('a').
- (ii)    \_\_\_     Use a container that operates with no     \_\_\_  
detectable organic emissions as defined in  
373-3.29(b) and determined in accordance  
with the procedure specified in 373-3.29(h)(7);  
373-3.29(h)(4)(i)('b').
- (iii)   \_\_\_     Use a container that has been demonstrated     \_\_\_  
within the preceding 12 months to be vapor-  
tight by using 40 CFR Part 60 Appendix A,

Indicate:

X Violations

Indicate:

X Satisfactory  
NA Not Applicable

Method 27, in accordance with the procedure specified in 373-3.29(h)(8); 373-3.29(h)(4)(i)('c').

2.     \_\_\_     Transfer of hazardous waste in or out of a container using Level 2 controls shall be conducted in such a manner as to minimize exposure of hazardous waste to the atmosphere. Waste transfer should be done using any one of the following - 373-3.29(h)(4)(ii).     \_\_\_
- (i)     \_\_\_     A submerged-fill pipe or other submerged-fill method or     \_\_\_
- (ii)     \_\_\_     A vapor-balancing system or a vapor-recovery system to collect and control the vapors displaced from the container during filling operation or     \_\_\_
- (iii)    \_\_\_     A fitted opening in the top of a container through which the hazardous waste is filled.     \_\_\_

D.     Container Level 3 Standards:

1.     \_\_\_     Containers using Level 3 control shall use one of following two control alternatives:     \_\_\_
- (i)     \_\_\_     Use a container that is vented directly through a closed vent system to a control device - 373-3.29(h)(5)(i)('a').     \_\_\_
- (ii)     \_\_\_     Use a container that is vented inside an enclosure which is exhausted through a closed vent system or a control device - 373-3.29(h)(i)('b').     \_\_\_
2.     \_\_\_     The container enclosure shall be designed and operated in accordance with the criteria for a permanent total enclosure as specified in "Procedure T..Criteria for and Verification of a Permanent or Temporary Total Enclosure" under 40 CFR 52.741, Appendix B - 373-3.29(h)(5)(ii)('a').     \_\_\_
3.     \_\_\_     The closed-vent system and control device shall be designed and operated in accordance with the requirements of 373-3.29(i); 373-3.29(h)(5)(ii)('b').     \_\_\_

E.     Inspections and Monitoring:

1.     \_\_\_     The containers should be inspected visually within 24 hours after the container is accepted at the facility, when a hazardous waste already is in the container - 373-3.29(h)(3)(iv)('a') & 373-.29(h)(4)(iv)('a').     \_\_\_

Indicate:

X Violations

Indicate:

X Satisfactory  
NA Not Applicable

2.     \_\_\_ Containers that remain at the facility shall     \_\_\_  
visually be inspected initially and, thereafter,  
at least once every 12 months to check for cracks,  
holes, gaps or other openings - 373-3.29(h)  
(3)(iv)('b') & 373-3.29(h)(4)(iv)('b').
3.     \_\_\_ Each defect detected during the inspection shall     \_\_\_  
be repaired as soon as practicable but no later  
than five calendar days after the detection. A first  
effort at repair shall be made within 24 hours after  
the detection - 373-3.29(h)(3)(iv)('c') & 373-  
3.29(h)(4)(iv)('c').
4.     \_\_\_ For container Level 3 controls, the inspection and     \_\_\_  
monitoring of closed-vent system and control device  
shall be done as specified in 373-3.29(i);  
373-3.29(h)(5)(iv).

F.     Record Keeping Requirements:

1.     \_\_\_ Containers using Level 3 controls shall prepare     \_\_\_  
and maintain design documentation and calculations  
for enclosures - 373-3.29(k)(4)(i).
2.     \_\_\_ Records required for the closed-vent system and     \_\_\_  
control device in accordance with 373-3.29(k)(5);  
373-3.29(k)(4)(ii).

4.     STANDARDS FOR SURFACE IMPOUNDMENTS:

- \_\_\_ The owner or operator shall control air emissions from the     \_\_\_  
surface impoundment according to the requirements of  
373-3.29(g); 373-3.29(d)(2).