

FG-MACT F&G-HON
FLEXIBLE GROUP CONDITIONS
40 CFR Part 63, Subparts F & G covers major sources of HAPs.

Red text identifies options. Select the option that applies to the source and change the text to black. Delete red text that does not apply and renumber conditions if necessary.

Blue text is guidance or notes on the use of the template. Delete all blue text prior to issuing the final permit or submitting it with a permit application. Read through all conditions. Select the appropriate conditions for the existing, (or future if the permittee wants the option to change) control equipment. Some conditions have dates based on whether the source is new or existing. Be sure to use the appropriate date where there are choices.

If this template is being used for an ROP Reopening or Renewal, and the MACT conditions were established in a PTI, the appropriate footnotes which reference enforceability must be added to each applicable condition in the template.

DESCRIPTION

These conditions apply to chemical manufacturing process units that meet all the criteria specified in Title 40 of the Code of Federal Regulations (CFR), Part 63, Subpart F, 40 CFR 63.100(b)(1) through (3). The conditions also apply to process vents, storage vessels, transfer racks, waste management units, maintenance wastewater, heat exchange systems, wastewater streams, and equipment identified in 40 CFR 63.149 within a source subject to 40 CFR Part 63, Subpart F. This includes equipment covered by other permits, grandfathered equipment, and exempt equipment.

Emission Units: List process equipment (emission units) used by the facility.

POLLUTION CONTROL EQUIPMENT

Identify specific control equipment used by the facility.

I. EMISSION LIMIT(S)

| Pollutant | Limit | Time Period/Operating Scenario | Equipment | Monitoring/ Testing Method | Underlying Applicable Requirements |
|-----------|-------|--------------------------------|-----------|----------------------------|------------------------------------|
| NA | NA | NA | NA | NA | NA |

1. The permittee shall comply with the applicable portions of the emission standard for organic HAPs specified in 40 CFR 63.112(a) at all times, except during periods of startup, shutdown, and malfunction (SSM), by following the provisions specified in 40 CFR 63.112(b) through (h). **(40 CFR 63.112)**
2. The permittee shall comply with the emissions averaging provisions as specified in 40 CFR 63.150, if opting to meet the emission standard specified in 40 CFR 63.112(a) by using emissions averaging according to 40 CFR 63.112(f) rather than following the provisions of 40 CFR 63.113 through 63.148. **(40 CFR 63.150)**

II. MATERIAL LIMIT(S)

| Material | Limit | Time Period/Operating Scenario | Equipment | Monitoring/ Testing Method | Underlying Applicable Requirements |
|----------|-------|--------------------------------|-----------|----------------------------|------------------------------------|
| NA | NA | NA | NA | NA | NA |

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall comply with the requirements of Subparts F, G, and H at all times, except during periods of startup or shutdown as defined in 40 CFR 63.101(b), malfunction, process unit shutdown defined in 40 CFR 63.161, or non-operation of the unit creating the emissions subject to the subpart. **(40 CFR 63.102(a)(1) and (2))**
2. The permittee shall not shutdown equipment required or utilized for compliance with Subpart F, G, or H when emissions are being routed to such equipment. **(40 CFR 63.102(a)(3))**
3. The permittee shall prepare a description of and implement maintenance procedures for management of wastewaters generated from the emptying and purging of equipment in the process during temporary shutdowns for inspections, maintenance, and repair and during periods which are not shutdowns, according to the provisions in 40 CFR 63.105(b)(1) through (3). Following each maintenance procedure, the permittee shall modify and update the maintenance procedures, based on actions taken and wastewaters generated in the preceding procedure. **(40 CFR 63.105(b), (c), and (d))**
4. The permittee shall comply with the performance standards for treatment processes managing Group 1 wastewater streams and/or residuals removed from Group 1 wastewater streams as specified in 40 CFR 63.138. **(40 CFR 63.138)**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall control all Group 1 process vents with any of the following control options: **(40 CFR 63.113(a))**
 - a. Reduce organic HAP emissions using a flare according to provisions in 40 CFR 63.113(a)(1).
 - b. Reduce total organic HAP emissions by 98 weight percent or to 20 ppmv according to provisions in 40 CFR 63.113(a)(2), (b), and (c).
 - c. Achieve and maintain a TRE Index Value greater than 1.0 at the outlet of the final recovery device (or release point) according to provisions in 40 CFR 63.113(a)(3) which would require compliance with the provisions in either 40 CFR 63.113(d) or (e).
 - d. Transfer gas stream to another source for disposal according to the provisions in 40 CFR 63.113(i).
2. The permittee shall comply with the provisions specified in 40 CFR 63.113(d) through (g) for all Group 2 process vents. **(40 CFR 63.113(d) through (g))**
3. The permittee shall install, maintain, and operate in a satisfactory manner the associated monitoring equipment listed in 40 CFR 63.114(a), (b), or (c) appropriate to the chosen Group 1 process vent control option. The permittee shall establish a range of proper operation of the control or recovery device for the parameters to be monitored according to the provisions of 40 CFR 63.114(e). **(40 CFR 63.114(a) through (c), and (e))**
4. The permittee shall comply with either 40 CFR 63.114(d)(1) or (2) for process vent bypass lines. **(40 CFR 63.114(d))**
5. The permittee shall control all Group 1 storage vessels with one of the following control options: **(40 CFR 63.119(a)(1) and (2))**
 - a. For Group 1 storage vessels storing liquids with a maximum true vapor pressure less than 76.6 kilopascals.
 - i. Fixed roof and internal floating roof as specified in 40 CFR 63.119(b).
 - ii. External floating roof as specified in 40 CFR 63.119(c).
 - iii. External floating roof converted to internal floating roof as specified in 40 CFR 63.119(d).
 - iv. Closed vent system and control device as specified in 40 CFR 63.119(e).
 - v. Route emissions to a process or a fuel gas system as specified in 40 CFR 63.119(f).
 - vi. Equivalent method as specified in 40 CFR 63.121.
 - b. For Group 1 storage vessels storing liquids with a maximum true vapor pressure greater than or equal to 76.6 kilopascals.
 - i. Closed vent system and control device as specified in 40 CFR 63.119(e).
 - ii. Route emissions to a process or a fuel gas system as specified in 40 CFR 63.119(f).

iii. Equivalent method as specified in 40 CFR 63.121.

6. The permittee shall equip each Group 1 transfer rack with a vapor collection system and a control device as specified in 40 CFR 63.126(a) and (b). **(40 CFR 63.126(a) and (b))**
7. The permittee shall control all combusted halogenated emission streams from Group 1 transfer racks as specified in 40 CFR 63.126(d). **(40 CFR 63.126(d))**
8. The permittee shall comply with the provisions specified in 40 CFR 63.126(e) through (i) for all Group 1 transfer racks. **(40 CFR 63.126(e) through (i))**
9. The permittee shall install, maintain, and operate in a satisfactory manner the monitoring equipment specified in 40 CFR 63.127(a) through (d) appropriate to the chosen Group 1 transfer rack control option. The permittee shall establish a range that indicates proper operation of the control (or recovery) device for the parameters to be monitored according to the provisions of 40 CFR 63.127(e). **(40 CFR 63.127(a) through (e))**
10. The permittee shall comply with the provisions specified in 40 CFR 63.132(a) for all process wastewater streams at existing sources. **(40 CFR 63.132(a))**
11. The permittee shall comply with the provisions specified in 40 CFR 63.132(b) for all process wastewater streams at new sources. **(40 CFR 63.132(b))**
12. The permittee shall comply with the requirement options specified in 40 CFR 63.133 for all wastewater tanks that receive, manage, or treat a Group 1 wastewater stream or a residual from a Group 1 wastewater stream. **(40 CFR 63.133)**
13. The permittee shall comply with the requirements of 40 CFR 63.134(b), (c) and (d) for each surface impoundment that receives, manages, or treats a Group 1 wastewater stream or a residual from a Group 1 wastewater stream. **(40 CFR 63.134(a))**
14. The permittee shall comply with the requirements of 40 CFR 63.135(b) through (f) for each container that receives, manages, or treats a Group 1 wastewater stream or a residual from a Group 1 wastewater stream. **(40 CFR 63.135(a))**
15. The permittee shall comply with the requirements of 40 CFR 63.136(b) through (d) or 40 CFR 63.136(e) through (g) for each individual drain system that receives or manages a Group 1 wastewater stream or a residual from a Group 1 wastewater stream. **(40 CFR 63.136(a))**
16. The permittee shall comply with the requirements of 40 CFR 63.137 for each oil-water separator that receives, manages, or treats a Group 1 wastewater stream or a residual from a Group 1 wastewater stream. **(40 CFR 63.137)**
17. The permittee shall operate and maintain each control device or combination of control devices used to comply with the provisions of 40 CFR 63.133 through 40 CFR 63.138 for process wastewater in accordance with the requirements of 40 CFR 63.139(b) through (f). **(40 CFR 63.139(a))**
18. The permittee shall comply with the control requirements specified in 40 CFR 63.149(b) through (e) for a subject liquid streams in open systems within a chemical manufacturing process unit. **(40 CFR 63.149(a))**

V. TESTING/SAMPLING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. Initial performance tests and compliance demonstrations are required only as specified in Subparts G and H and shall be conducted according to the schedule and procedures in 40 CFR 63.7(a) of Subpart A and applicable sections of Subparts G and H. **(40 CFR 63.103(b))**

See Appendix 5

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. The permittee of a source subject to Subparts F, G, and H shall keep copies of all records and reports according to the provisions in 40 CFR 63.103(c). **(40 CFR 63.103(c))**
2. The permittee shall monitor all heat exchange systems for leaks according to the provisions of 40 CFR 63.104(b) or (c). **(40 CFR 63.104(a))**
3. The permittee shall comply with the required recordkeeping and reporting provisions in 40 CFR 63.104(f) for heat exchange systems. **(40 CFR 63.104(f))**
4. The permittee shall maintain records of the wastewater maintenance procedures required by 40 CFR 63.105(b) and (c) as part of the SSMP required by 40 CFR 63.6(e)(3). **(40 CFR 63.105(e))**
5. The permittee shall comply with the required recordkeeping and reporting provisions in 40 CFR 63.117(a) for process vents subject to the Group 1 process vent control provisions or to the provisions for Group 2 process vents with a TRE index value greater than 1.0 and less than or equal to 4.0. **(40 CFR 63.117(a))**
6. The permittee shall comply with the associated recordkeeping and reporting provisions in 40 CFR 63.117(b), through (d) for all other Group 2 process vents. **(40 CFR 63.117(b) through (d))**
7. The permittee shall submit a reporting and recordkeeping plan according to 40 CFR 63.117(e) if a control or recovery device other than those listed in Table 3 or Table 4 of Subpart G is used. The permittee shall establish a range of proper operation of the control or recovery device for the parameters to be monitored, according to the provisions of 40 CFR 63.117(f). **(40 CFR 63.117(e) and (f))**
8. The permittee shall keep up-to-date and readily accessible records as specified in 40 CFR 63.118(a) through (e) for applicable process vents, according to how the process vent complies with the provisions in 40 CFR 63.113. **(40 CFR 63.118(a) through (e))**
9. The permittee shall keep records for Group 2 storage vessels as required by 40 CFR 63.119(a)(3) or (4). **(40 CFR 63.119(a)(3) and (4))**
10. The permittee shall keep the applicable records for Group 1 and Group 2 storage vessels as required by 40 CFR 63.123. Group 2 vessels require only records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel as long as the storage vessel retains its current status and is in operation, unless such vessel is part of an emissions average as described in 40 CFR 63.150. Group 1 vessels require additional records based on the emissions control technology in place and other parameters outlined in 40 CFR 63.123(a) through (h). **(40 CFR 63.123)**
11. The permittee shall keep records for Group 2 transfer racks as required in 40 CFR 63.130(f). **(40 CFR 63.126(c))**
12. The permittee shall comply with the associated recordkeeping and reporting provisions in 40 CFR 63.129 for all Group 1 transfer racks. **(40 CFR 63.129)**
13. The permittee shall comply with the associated periodic recordkeeping provisions in 40 CFR 63.130(a), through (c), (e), and (f) for all transfer racks. **(40 CFR 63.130(a) through (c), (e), and (f))**
14. The permittee shall comply with the associated inspection and monitoring provisions specified in 40 CFR 63.143 for process wastewater equipment. **(40 CFR 63.143)**
15. The permittee shall comply with the associated recordkeeping provisions in 40 CFR 63.147 for all applicable process wastewater components. **(40 CFR 63.147)**
16. The permittee shall maintain continuous records of parameters monitored as specified in 40 CFR 63.152(f). **(40 CFR 63.152)**

See Appendices 3 and 4

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**
4. The permittee shall submit all reports required by Subparts F, G and H according to the provisions in 40 CFR 63.103(d). **(40 CFR 63.103(d))**
5. The permittee shall submit all reports specified in 40 CFR 63.118(f), according to the schedule in 40 CFR 63.152, for applicable process vents that will comply with 40 CFR 63.113. **(40 CFR 63.118(f))**
6. The permittee shall submit all reports specified in 40 CFR 63.118(g) through (j) for applicable process vents when the process vents Group or TRE status changes, as the result of a process change, within 180 calendar days of the process change, unless not required by 40 CFR 63.118(k). **(40 CFR 63.118(g) through (k))**
7. The permittee shall submit reports as specified in 40 CFR 63.122 for applicable Group 1 storage vessels according to the associated storage vessel emission control technology. **(40 CFR 63.122)**
8. The permittee shall submit periodic reports as specified in 40 CFR 63.130(d) for transfer racks subject to the requirements of 40 CFR 63.126. **(40 CFR 63.130(d))**
9. The permittee shall submit all applicable reports as specified in 40 CFR 63.146 for each process wastewater component. **(40 CFR 63.146)**
10. The permittee shall submit initial notifications, implementation plans, notifications of compliance status, periodic reports, and other reports as specified in 40 CFR 63.151 and 40 CFR 63.152. **(40 CFR 63.151, 40 CFR 63.152)**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:

| Stack & Vent ID | Maximum Exhaust Diameter/Dimensions (inches) | Minimum Height Above Ground (feet) | Underlying Applicable Requirements |
|----------------------------|---|---|---|
| NA | NA | NA | NA |

IX. OTHER REQUIREMENT(S)

1. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart A; Subpart F for Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry; Subpart G for Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater; and Subpart H for Organic Hazardous Air Pollutants for Equipment Leaks, by the initial compliance date. **(40 CFR Part 63, Subparts A and F)**
2. If a leak is detected in a heat exchange system, the permittee shall repair the leak according to the provisions in 40 CFR 63.104(d) or (e). **(40 CFR 63.104(d) and (e))**
3. The permittee shall follow the methods and procedures specified in 40 CFR 63.115 for process vent group determinations. **(40 CFR 63.115)**

4. The permittee shall determine compliance with the process vent provisions by following the performance test methods and procedures for the associated control device in 40 CFR 63.116. **(40 CFR 63.116)**
5. The permittee shall determine compliance with the storage vessel emission control requirements by following the procedures specified in 40 CFR 63.120 for the associated control technology. **(40 CFR 63.120)**
6. The permittee shall determine compliance with the transfer operations provisions by following the test methods and procedures outlined in 40 CFR 63.128(a) through (h), unless a performance test is not required per 40 CFR 63.128(c). **(40 CFR 63.128)**
7. The permittee shall follow the methods and procedures specified in 40 CFR 63.132(c) and (d) for process wastewater group determinations. **(40 CFR 63.132(c) and (d))**
8. The permittee shall follow the provisions specified in 40 CFR 63.140 for delays in repair for process wastewater equipment. **(40 CFR 63.140)**
9. The permittee shall follow the test methods and procedures specified in 40 CFR 63.144 for process wastewater applicability determinations and control requirement determinations. **(40 CFR 63.144)**
10. The permittee shall determine compliance of a process wastewater treatment process or control device with the control requirements by following the test methods and procedures specified in 40 CFR 63.145. **(40 CFR 63.145)**
11. The permittee shall comply with the leak inspection provisions specified in 40 CFR 63.148 for each applicable vapor collection system, closed-vent system, fixed roof, cover, or enclosure unless the closed-vent system is also subject to the requirements of 40 CFR 63.172 of Subpart H. The permittee shall then comply with the requirements of 40 CFR 63.172 of Subpart H and is exempt from the requirement of 40 CFR 63.148. **(40 CFR 63.148(a) and (k))**

Footnotes:

¹This condition is state only enforceable and was established pursuant to Rule 201(1)(b).

²This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

**FG-MACT H-HON
FLEXIBLE GROUP CONDITIONS
40 CFR Part 63, Subpart H covers major sources of HAPs.**

Red text identifies options. Select the option that applies to the source and change the text to black. Delete red text that does not apply and renumber conditions if necessary.

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If this template is being used for an ROP Reopening or Renewal, and the MACT conditions were established in a PTI, the appropriate footnotes which reference enforceability must be added to each applicable condition in the template.

DESCRIPTION

These conditions apply to equipment described in 40 CFR Part 63, Subpart H, 63.160(a) that is intended to operate in organic HAP service 300 hours or more during the calendar year within a source subject to the provisions of a specific subpart in 40 CFR Part 63 that references Subpart H. This includes equipment covered by other permits, grandfathered equipment, and exempt equipment.

Emission Units: List process equipment (emission units) used by the facility.

POLLUTION CONTROL EQUIPMENT

Identify specific control equipment used by the facility.

I. EMISSION LIMIT(S)

| Pollutant | Limit | Time Period/Operating Scenario | Equipment | Monitoring/ Testing Method | Underlying Applicable Requirements |
|-----------|-------|--------------------------------|-----------|----------------------------|------------------------------------|
| NA | NA | NA | NA | NA | NA |

II. MATERIAL LIMIT(S)

| Material | Limit | Time Period/Operating Scenario | Equipment | Monitoring/ Testing Method | Underlying Applicable Requirements |
|----------|-------|--------------------------------|-----------|----------------------------|------------------------------------|
| NA | NA | NA | NA | NA | NA |

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall identify each piece of equipment in a process unit to which Subpart H applies such that it can be distinguished readily from equipment that is not subject to Subpart H, as described in 40 CFR 63.162(c). **(40 CFR 63.162(c))**
2. The permittee shall implement the provisions that apply to pumps in light liquid service according to the compliance date provisions specified in 40 CFR 63.163(a). **(40 CFR 63.163(a))**

3. The permittee shall equip each subject compressor with a seal system that includes a barrier fluid system and that prevents leakage of process fluid to the atmosphere, as specified in 40 CFR 63.164(a) through (f). **(40 CFR 63.164(a) through (f), (h), and (i))**
4. The permittee shall comply with the standards specified in 40 CFR 63.165 for pressure relief devices in gas/vapor service. **(40 CFR 63.165)**
5. The permittee shall equip each subject sampling connection system with a closed-purge, closed-loop, or closed-vent system as specified in 40 CFR 63.166. **(40 CFR 63.166)**
6. The permittee shall equip each subject open-ended valve or line with a cap, blind flange, plug, or a second valve as specified in 40 CFR 63.167. **(40 CFR 63.167)**
7. The permittee shall comply with the standards specified in 40 CFR 63.170 for each surge control vessel and bottoms receiver. **(40 CFR 63.170)**
8. The permittee shall comply with the standards specified in 40 CFR 63.172(a) through (e), (j), and (m) for closed vent systems and control devices used to comply with 40 CFR Part 63, Subpart H. **(40 CFR 63.172(a) through (e), (j), and (m))**
9. The permittee shall comply with the standards specified in 40 CFR 63.173 for agitators in gas/vapor service and in light liquid service. **(40 CFR 63.173)**

V. TESTING/SAMPLING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall follow the test methods and procedures specified in 40 CFR 63.180 for all required testing. **(40 CFR 63.180)**

See Appendix 5

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall monitor and inspect each subject pump in light liquid service on a monthly basis by the method specified in 40 CFR 63.180(b) and compare to the associated leak standards in 40 CFR 63.163(b). **(40 CFR 63.163(b))**
2. The permittee shall monitor and inspect each subject valve in either gas or light liquid service as specified in 40 CFR 63.168(b) through (d); unless the provisions in 40 CFR 63.168(h), (i), or (j) are applicable, which shall then be followed. **(40 CFR 63.168(b) through (d) and (h) through (j))**
3. The permittee shall monitor each pump, valve, connector, or agitator in heavy liquid service, or pressure relief device in light liquid or heavy liquid service, or instrumentation system within 5 calendar days using the method specified in 40 CFR 63.180(b), if evidence of a potential leak is found as specified in 40 CFR 63.169(a). **(40 CFR 63.169(a))**
4. The permittee shall monitor and inspect each subject closed vent system as specified in 40 CFR 63.172(f), (g), (k), (l), and (n). **(40 CFR 63.172(f), (g), (k), (l), and (n))**
5. The permittee shall monitor and inspect each subject connector in gas/vapor service and/or light liquid service as specified in 40 CFR 63.174(a) through (c) and (f) through (j). **(40 CFR 63.174(a) through (c) and (f) through (j))**
6. The permittee shall perform all monitoring required by Subpart H according to the requirements specified in 40 CFR 63.180(b). **(40 CFR 63.180(b))**
7. The permittee shall keep readily accessible records for all equipment in each process unit as specified in 40 CFR 63.181. **(40 CFR 63.181)**

See Appendices 3 and 4

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**
4. The permittee shall submit initial notifications, notifications of compliance, periodic reports, and other reports as specified in 40 CFR 63.182. **(40 CFR 63.182)**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:

| Stack & Vent ID | Maximum Exhaust Diameter/Dimensions (inches) | Minimum Height Above Ground (feet) | Underlying Applicable Requirements |
|----------------------------|---|---|---|
| NA | NA | NA | NA |

IX. OTHER REQUIREMENT(S)

1. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart A and Subpart H for Organic Hazardous Air Pollutants for Equipment Leaks, by the initial compliance date. **(40 CFR Part 63, Subparts A and H)**
2. The permittee shall determine compliance with Subpart H provisions by review of records, reports, performance test results, and by inspections as specified in 40 CFR 63.162(a). **(40 CFR 63.162(a))**
3. The permittee may request a determination of alternative means of emission limitation to the requirements of Subpart H as provided in 40 CFR 63.177. **(40 CFR 63.162(b))**
4. The permittee shall follow the requirements specified in 40 CFR 63.162(f) when a leak is detected. **(40 CFR 63.162(f))**
5. The permittee shall refer to 40 CFR 63.162(g) for definitions of a period of time for completion of required tasks. **(40 CFR 63.162(g))**
6. Failure to take action to repair leaks within the specified time after the leak is detected is a violation of 40 CFR Part 63, Subpart H. Delay of repair of equipment for which leaks have been detected is allowed according to the standards specified in 40 CFR 63.171. **(40 CFR 63.162(h), 40 CFR 63.171)**
7. The permittee shall make repairs to pumps in light liquid service as specified in 40 CFR 63.163(c) when a leak is detected. **(40 CFR 63.163(c))**
8. The permittee shall calculate percent leaking pumps and implement a quality improvement program for pumps that complies with the requirements of 40 CFR 63.176. **(40 CFR 63.163(d))**

9. The permittee shall make repairs to compressors as specified in 40 CFR 63.164(g) when a leak is detected. **(40 CFR 63.164(g))**
10. The permittee shall follow the applicable provisions of 40 CFR 63.168 for valves that are either in gas service or in light liquid service, according to the schedule specified in 40 CFR 63.168(a). **(40 CFR 63.168(a))**
11. The permittee shall calculate percent leaking valves (in either gas or light liquid service) as specified in 40 CFR 63.168(e). **(40 CFR 63.168(e))**
12. The permittee shall make repairs to valves as specified in 40 CFR 63.168(f) and (g) when a leak is detected. **(40 CFR 63.168(f) and (g))**
13. For pumps, valves, connectors, agitators in heavy liquid service, pressure relief devices in light liquid or heavy liquid service, or instrumentation systems, if a leak is detected as specified in 40 CFR 63.169(b), the permittee shall make repairs as specified in 40 CFR 63.169(c) and (d). **(40 CFR 63.169(b), (c) and (d))**
14. The permittee shall make repairs to closed vent systems as specified in 40 CFR 63.172(h) and (i) when a leak is detected. **(40 CFR 63.172(h) and (i))**
15. The permittee shall make repairs to connectors in gas/vapor service and/or light liquid service as specified in 40 CFR 63.174(d) when a leak is detected. **(40 CFR 63.174(d))**
16. The permittee shall comply with the requirements specified in 40 CFR 63.175 for a quality improvement program for valves, if electing to implement that compliance option. **(40 CFR 63.175)**
17. The permittee shall comply with the requirements specified in 40 CFR 63.176 for a quality improvement program for pumps. **(40 CFR 63.176)**

Footnotes:

¹This condition is state only enforceable and was established pursuant to Rule 201(1)(b).

²This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

FG-MACT I-HON
FLEXIBLE GROUP CONDITIONS
40 CFR Part 63, Subpart I covers major sources of HAPs.

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DESCRIPTION

These conditions apply to emissions of the designated organic HAP from processes specified in 40 CFR Part 63, Subpart I, 40 CFR 63.190(b)(1) through (b)(6) that are located at a plant site that is a major source as defined in Section 112(a) of the Clean Air Act. This includes equipment covered by other permits, grandfathered equipment, and exempt equipment. Specified processes are further defined in 40 CFR 63.191.

Emission Units: List process equipment (emission units) used by the facility.

POLLUTION CONTROL EQUIPMENT

Identify specific control equipment used by the facility.

I. EMISSION LIMIT(S)

| Pollutant | Limit | Time Period/Operating Scenario | Equipment | Monitoring/ Testing Method | Underlying Applicable Requirements |
|-----------|-------|--------------------------------|-----------|----------------------------|------------------------------------|
| NA | NA | NA | NA | NA | NA |

II. MATERIAL LIMIT(S)

| Material | Limit | Time Period/Operating Scenario | Equipment | Monitoring/ Testing Method | Underlying Applicable Requirements |
|----------|-------|--------------------------------|-----------|----------------------------|------------------------------------|
| NA | NA | NA | NA | NA | NA |

III. PROCESS/OPERATIONAL RESTRICTION(S)

- The permittee shall develop and implement a written startup, shutdown and malfunction plan (SSMP) according to the provisions of 40 CFR 63.6(e)(3) for control devices subject to the provisions of 40 CFR, Part 63, Subpart H. This plan may include written procedures that identify conditions that justify delay of repair.
(40 CFR 63.192(b)(6)(ii))

IV. DESIGN/EQUIPMENT PARAMETER(S)

NA

V. TESTING/SAMPLING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. Initial performance tests and compliance determinations shall be required only as specified in Subpart H and according to the provisions specified in 40 CFR 63.192(c)(1) through (4). **(40 CFR 63.192(c))**

See Appendix 5

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall keep all records as specified in 40 CFR 63.192(f) for applicable process units and associated equipment. **(40 CFR 63.192(f))**

See Appendices 3 and 4

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**
4. The Permittee shall submit applicable notifications specified in 40 CFR Part 63, Subpart A. **(40 CFR 63.192(b)(8))**
5. The permittee shall submit all reports required by Subpart H as specified in 40 CFR 63.192(g). **(40 CFR 63.192(g))**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:

| Stack & Vent ID | Maximum Exhaust Diameter/Dimensions (inches) | Minimum Height Above Ground (feet) | Underlying Applicable Requirements |
|-----------------|--|------------------------------------|------------------------------------|
| NA | NA | NA | NA |

IX. OTHER REQUIREMENT(S)

1. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart A; Subpart H for Organic Hazardous Air Pollutants for Equipment Leaks; and Subpart I for Organic Hazardous Air Pollutants for Certain Processes Subject to the Negotiated Regulation for Equipment Leaks, by the initial compliance date. **(40 CFR Part 63, Subparts A and I)**

Footnotes:

¹This condition is state only enforceable and was established pursuant to Rule 201(1)(b).

²This condition is federally enforceable and was established pursuant to Rule 201(1)(a).