



# MAJOR SOURCE OPERATING PERMIT

**PERMITTEE:** Georgia-Pacific Cellulose

**FACILITY NAME:** Alabama River Cellulose, LLC

**FACILITY/PERMIT NO.:** 106-0010

**LOCATION:** Perdue Hill, AL

*In accordance with and subject to the provisions of the Alabama Air Pollution Control Act of 1971, Ala. Code §§ 22-28-1 to 22-28-23, as amended, the Alabama Environmental Management Act, Ala. Code §§ 22-22A-1 to 22-22A-17, as amended, and rules and regulations adopted there under, and subject further to the conditions set forth in this permit, the Permittee is hereby authorized to construct, install and use the equipment, device or other article described above.*

*Pursuant to the Clean Air Act of 1990, all conditions of this permit are federally enforceable by EPA, the Alabama Department of Environmental Management, and citizens in general. Those provisions which are not required under the Clean Air Act of 1990 are considered to be state permit provisions and are not federally enforceable by EPA and citizens in general. Those provisions are contained in separate sections of this permit.*

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## Pulping System Processes Informational Summary

**Description:** Pulping System Processes  
**Emission Unit No:** S443  
**Installation Date:** N/A                      **Reconstruction / Modification date:** N/A  
**Operating Capacity:** N/A  
**Operating Schedule:** 8760 hours/year

This unit contains equipment that is subject to the following NSPSs, NESHAPs, or MACTs:  
 40 CFR Part 63 Subpart S

### Pollutants Emitted

<b>Emission Point #</b>	<b>Point Description</b>	<b>Pollutant</b>	<b>Emission Limit</b>	<b>Standard</b>
S443	Pulping System Processes (except fugitive emissions from the No. 8 Mill Oxygen Delignification Surge Tank as described in the Clean Condensate Alternative (CCA) plan approved on June 23, 2022)	HAPs	Equipment systems shall be enclosed and vented into a closed-vent system and routed to a control device that meets the following requirements: 1) Reduce total HAP emissions by 98 percent or more by weight; or 2) Reduce the total HAP concentration at the outlet of the thermal oxidizer to 20 parts per million or less by volume, corrected to 10 percent oxygen on a dry basis; or 3) Reduce total HAP emissions using a thermal oxidizer designed and operated at a minimum temperature of 871°C (1600°F) and a minimum residence time of 0.75 seconds; or 4) Reduce total HAP emissions using: a) A boiler, lime kiln or recovery furnace by introducing the HAP emission stream with the primary fuel or into the flame zone; or b) A boiler with heat input capacity greater than 150 million Btu per hour by introducing the HAP emission stream with the combustion air.	Rule 335-3-11-.06 (18)
S443	Pulping System Processes (except fugitive emissions from the No. 8 Mill Oxygen Delignification Surge Tank as described in the CCA plan approved on June 23, 2022)	HAPs	The enclosures and closed-vent system shall meet the requirements specified in the Enclosures and Closed-Vent Systems Emission Standards Proviso 1(b)-(d).	Rule 335-3-11-.06 (18)

## Pulping System Processes Provisos

Federally Enforceable Provisos	Regulations
<b>Applicability</b>	
1. This source is subject to the applicable requirements of Rule 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
2. This source is subject to federal National Emission Standards for Hazardous Pollutants General Provisions as provided for in Table 1 of Subpart S and Subpart S.	Rule 335-3-11-.06 (1) and (18)
<b>Emission Standards</b>	
1. For pulping system processes, per the requirements of 40 CFR Part 63 Subpart S, Low Volume High Concentration Gases shall be controlled by incineration in either the lime kilns or the standby incinerator.	Rule 335-3-11-.06 (18)
2. Per the requirements of 40 CFR Part 63 Subpart S, HVLC gases shall be incinerated in a recovery furnace except as described in the CCA plan approved pursuant to 40 CFR §63.447 on June 23, 2022.	Rule 335-3-11-.06 (18)
3. Periods of excess emissions reported under 40 CFR Part 63 § 63.455 shall not be a violation of 40 CFR §63.443 (c) and (d) provided that the time of excess emissions divided by the total process operating time in a semi-annual reporting period does not exceed the following levels: <ul style="list-style-type: none"> <li>(1) One percent for control devices used to reduce the total HAP emissions from the LVHC system; and</li> <li>(2) Four percent for control devices used to reduce the total HAP emissions from the HVLC system; and</li> <li>(3) Four percent for control devices used to reduce the total HAP emissions from both the LVHC and HVLC systems.</li> </ul>	Rule 335-3-11-.06 (18)
4. Equipment systems listed in provisos 1 and 2 of this section shall be enclosed and vented into a closed-vent system and routed to a control device that meets the requirements specified in the following proviso. The enclosures and closed-vent system shall meet the requirements specified in the "Enclosures and Closed-Vent Systems" Emission Standards Proviso 1(b) – (d).	Rule 335-3-11-.06 (18)
5. The control device used to reduce total HAP emissions from each equipment system listed in provisos 1 and 2 of this section shall either or both: <ul style="list-style-type: none"> <li>(1) Reduce total HAP emissions by 98 percent or more by weight; or</li> <li>(2) Reduce total HAP concentration at the outlet of the thermal oxidizer to 20 parts per million or less by volume, corrected to 10 percent oxygen on a dry basis; or</li> <li>(3) Reduce total HAP emissions using a thermal oxidizer designed and operated at a minimum temperature of 871°C (1600°F) and a minimum residence time of 0.75 second; or</li> <li>(4) Reduce total HAP emissions using one of the following: <ul style="list-style-type: none"> <li>(i) A boiler, lime kiln, or recovery furnace by introducing the HAP emission stream with the primary fuel or into the flame zone; or</li> <li>(ii) A boiler or recovery furnace with a heat input capacity greater than or equal to 44 megawatts (150 million British thermal units per hour) by introducing the HAP emission stream with the combustion air.</li> </ul> </li> </ul>	Rule 335-3-11-.06 (18)

## Pulping System Processes Provisos

### Federally Enforceable Provisos

### Regulations

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#### Compliance and Performance Test Methods and Procedures

1. See Compliance and Performance Test Methods and Procedures provisos for “Enclosures and Closed-Vent Systems” for details.

Rule 335-3-11-.06 (18)

#### Emission Monitoring

1. See Emission Monitoring provisos for “Enclosures and Closed-Vent Systems” for details.

Rule 335-3-11-.06 (18)

#### Recordkeeping and Reporting Requirements

1. For the pulping system processes and each applicable enclosure opening, closed-vent system, and closed collection system, per the requirements of 40 CFR §63.443, the permittee shall meet the Recordkeeping and Reporting Requirements section of the “Enclosures and Closed-Vent Systems” provisos.

Rule 335-3-11-.06 (18)

## Process Condensates Informational Summary

**Description:** Process Condensates

**Emission Unit No:** S446

**Installation Date:** N/A                      **Reconstruction / Modification date:** N/A

**Operating Capacity:** N/A

**Operating Schedule:** 8760 hours/year

This unit contains equipment that is subject to the following NSPSs, NESHAPs, or MACTs:  
**40 CFR Part 63 Subpart S**

### Pollutants Emitted

Emission Point #	Point Description	Pollutant	Emission Limit	Standard
S446	Process Condensates, 1) Each digester system; 2) Each turpentine recovery system; 3) Each evaporator system condensate from: (i) the vapors from each stage where weak liquor is introduced (feed stages); and (ii) Each evaporator vacuum system for each stage where weak liquor is introduced (feed stages); 4) Each LVHC collection system; and 5) Each HVLC collection system.	HAPs	One of the following combinations of HAP-containing pulping process condensates generated, produced, or associated with the equipment systems listed shall be subject to the requirements of §63.446 (d) and (e): a) All the pulping process condensates from the equipment systems listed in 1) through 5). b) The combined pulping process condensates from equipment systems 4) and 5), plus pulping process condensate stream(s) that in total contain at least 65 percent of the total HAP mass from the pulping process condensates from equipment systems listed in 1) through 3). c) The pulping process condensates from equipment systems listed in 1) through 5) that in total contain a total HAP mass of 5.5 kilograms or more of total HAP per megagram (11.1 pounds per ton) of ODP for mills that perform bleaching except during operation of the No. 8 Mill, during which condensates that contain a	Rule 335-3-11-.06 (18)

			total HAP mass of 11.5 pounds per ton of ODP shall be collected as specified in the CCA plan approved on June 23, 2022..	
S446	Process Condensates	HAPs	Each pulping process condensate from the equipment systems listed in 1) through 5) shall be treated according to one of the following: a) Recycle the pulping process condensate to an equipment system specified in 63.443(a) meeting the requirements specified in 63.443(c) and (d); or b) Discharge the pulping process condensates below the liquid surface of a biological treatment system and treat the pulping process condensates to meet the requirements specified in c) or d); or c) Treat the pulping process condensates to reduce or destroy the total HAPs by at least 92 percent or more by weight; or d) At mills that perform bleaching, treat the pulping process condensates to remove 5.1 kilograms or more of total HAP per megagram (10.2 pounds per ton) of ODP, or achieve a total HAP concentration of 210 parts per million or less by weight at the outlet of the control device.	Rule 335-3-11-.06 (18)
S446	Process Condensates	HAPs	The pulping process condensates from the equipment systems in this section shall be conveyed in a closed collection system that is designed and operated to meet the requirements specified in 40 CFR 63.446.	Rule 335-3-11-.06 (18)
S446	Process Condensates	HAPs	The enclosures and closed-vent system shall meet the requirements specified in 40 CFR 63.450.	Rule 335-3-11-.06 (18)

## Process Condensates Provisos

Federally Enforceable Provisos	Regulations
<b>Applicability</b>	
1. This source is subject to the applicable requirements of Rule 335-3-16-.03, “Major Source Operating Permits”.	Rule 335-3-16-.03
2. This source is subject to federal National Emission Standards for Hazardous Pollutants General Provisions as provided for in Table 1 of Subpart S and Subpart S.	Rule 335-3-11-.06 (1) and (18)
<b>Emission Standards</b>	
1. For Process Condensates, per the requirements of 40 CFR Part 63 Subpart S, pulping process condensates shall be collected and treated.	Rule 335-3-11-.06 (18)
2. The combined pulping process condensates that in total contain a total HAP mass of 5.5 kilograms or more of total HAP per megagram (11.1 pounds per ton) of ODP shall be collected and controlled as specified in 40 CFR §63.446(d) and (e) except when the No. 8 Mill is operating. During operation of the No. 8 Mill, the site will collect and control a total HAP mass of 11.5 pounds per ton of ODP as specified in the CCA plan approved on June 23, 2022, (pursuant to 40 CFR §63.447).	Rule 335-3-11-.06 (18)
3. The pulping process condensates from the equipment systems in this section shall be conveyed in a closed collection system that is designed and operated to meet the requirements specified in bullets (a) and (b) of this section.	Rule 335-3-11-.06 (18)
(a) Each closed collection system shall meet the individual drain system requirements specified in 40 CFR §63.960, §63.961, and §63.962 of subpart RR of this part, except for closed vent systems and control devices shall be designed and operated in accordance with 40 CFR §63.443(d) and §63.450, instead of in accordance with 40 CFR §63.693 as specified in 40 CFR §63.962 (a)(3)(ii), (b)(3)(ii)(A), and (b)(3)(ii)(B)(5)(iii); and	
(b) If a condensate tank is used in the closed collection system, the tank shall meet the following requirements:	
(i) The fixed roof and all openings (e.g., access hatches, sampling ports, gauge wells) shall be designed and operated with no detectable leaks as indicated by an instrument reading of less than 500 parts per million above background, and vented into a closed-vent system that meets the requirements in §63.450 and routed to a control device that meets the requirements in §63.443(d); and	
(ii) Each opening shall be maintained in a closed, sealed position (e.g., covered by a lid that is gasketed and latched) at all times that the tank contains pulping process condensates or any HAP removed from a pulping process condensate stream except when it is necessary to use the opening for sampling, removal, or for equipment inspection, maintenance, or repair.	
4. At mills that perform bleaching, treat the pulping process condensates to remove 5.1 kilograms or more of total HAP per megagram (10.2 pounds per ton) of ODP, or achieve a total HAP concentration of 330 parts per million or less by weight at the outlet of the control device.	Rule 335-3-11-.06 (18)

Federally Enforceable Provisos	Regulations
5. Each HAP removed from a pulping process condensate stream during treatment and handling under this section shall be controlled as specified in 40 CFR §63.443(c) and (d).	Rule 335-3-11-.06 (18)
6. For each control device used to treat pulping process condensates to comply with the requirements of 40 CFR 63.446(e)(5), periods of excess emissions reported under 40 CFR 63.455 shall not be a violation of provisos 3 and 4 of this section provided that the time of excess emissions divided by the total process operating time in a semi-annual reporting period does not exceed 10 percent.	Rule 335-3-11-.06 (18)
<b>Compliance and Performance Test Methods and Procedures</b>	
1. An initial performance test is required by one of the procedures to determine total HAP or methanol in liquid samples described in 40 CFR §63.457. Pursuant to the facility's July 2002 Performance Test Plan, performance tests are to be conducted on an annual basis.	Rule 335-3-11-.06 (18)
2. See Compliance and Performance Test Methods and Procedures provisos for "Enclosures and Closed-Vent Systems" for details.	Rule 335-3-11-.06 (18)
<b>Emission Monitoring</b>	
1. For the pulping process condensates from the equipment systems of this section per the requirements of 40 CFR §63.446, the permittee shall meet the requirements of 40 CFR §63.453.	Rule 335-3-11-.06 (18)
2. A continuous monitoring system (CMS, as defined in 40 CFR Part 63 Subpart A General Provisions §63.2) shall be installed, calibrated, certified, operated, and maintained according to the manufacturer's specifications. The CMS shall include a continuous recorder.	Rule 335-3-11-.06 (18)
3. A CMS shall be operated to measure the appropriate parameters determined according to the procedures specified in paragraph 5 of this section to comply with the condensate applicability requirements specified in 40 CFR §63.446(c).	Rule 335-3-11-.06 (18)
4. Conduct daily monitoring of the site-specific parameters established according to the procedures specified in Proviso 5 of this section.	Rule 335-3-11-.06 (18)
5. To establish or reestablish, the value for each operating parameter required to be monitored by this section or to establish appropriate parameters for Proviso 4 of this section, each owner or operator shall use the following procedures: <ul style="list-style-type: none"> <li data-bbox="212 1346 1117 1413">(a) During the initial performance test required in 40 CFR §63.457(a) or any subsequent performance test, continuously record the operating parameter;</li> <li data-bbox="212 1419 1117 1514">(b) Determinations shall be based on the control performance and parameter data monitored during the performance test, supplemented if necessary by engineering assessments and the manufacturer's recommendations;</li> <li data-bbox="212 1520 1117 1617">(c) The owner or operator shall provide for the Administrator's approval the rationale for selecting the monitoring parameters necessary to comply with Proviso 3 of this section; and</li> <li data-bbox="212 1623 1117 1820">(d) Provide for the Administrator's approval the rational for the selected operating parameter value, and monitoring frequency, and averaging time. Include all data and calculations used to develop the value and a description of why the value, monitoring frequency, and averaging time demonstrate continuous compliance with the applicable emission standard.</li> </ul>	Rule 335-3-11-.06 (18)



**Federally Enforceable Provisos****Regulations**

6. Each owner or operator of a control device subject to the monitoring provisions of this section shall operate the control device in a manner consistent with the minimum or maximum (as appropriate) operating parameter value or procedure required to be monitored under Provisos 1 through 5 of this section and established under this subpart. Except as provided in Proviso 7 of this section, 40 CFR §63.443(e), or §63.446(g), operation of the control device below minimum operating parameter values or above maximum operating parameter values established under this subpart or failure to perform procedures required by this subpart shall constitute a violation of the applicable emission standard of this subpart and be reported as a period of excess emissions.

Rule 335-3-11-.06 (18)

## Process Condensates Provisos

### Federally Enforceable Provisos

### Regulations

7. The procedures of this paragraph apply whenever a monitoring parameter excursion occurs, and the owner or operator chooses to conduct a performance test to demonstrate compliance with the applicable emission limit. A monitoring parameter excursion occurs whenever the site specific monitoring parameters specified in Proviso 4 of this section is below the minimum operating parameter value.
- (1) As soon as practical after the beginning of the monitoring parameter excursion, the following requirements shall be met:
    - (i) Before the steps in paragraph 7 (1)(ii) or (iii) of this section are performed, all sampling and measurements necessary to meet the requirements in paragraph 7 (2) of this section shall be conducted.
    - (ii) Steps shall be taken to repair or adjust the operation of the process to end the parameter excursion period.
    - (iii) Steps shall be taken to minimize total HAP emissions to the atmosphere during the parameter excursion period.
  - (2) A parameter excursion is not a violation of the applicable emission standard if the results of the performance test conducted using the procedures in this paragraph demonstrate compliance with the applicable emission limit in 40 CFR §63.446(e)(5).
    - (i) Conduct a performance test as specified in 40 CFR §63.457 using the monitoring data specified in Proviso 4 of this section that coincides with the time of the parameter excursion. No maintenance or changes shall be made to the condensate treatment system after the beginning of a parameter excursion that would influence the results of the performance test.
    - (ii) If the results of the performance test specified in paragraph 7 (2)(i) of this section demonstrate compliance with the applicable emission limit in 40 CFR §63.446(e)(5), then the parameter excursion is not a violation of the applicable emission limit.
    - (iii) If the results of the performance test specified in paragraph 7(2)(i) of this section do not demonstrate compliance with the applicable emission limit in 40 CFR §63.446(e)(5) because the total HAP mass entering the condensate treatment system is below the level needed to demonstrate compliance with the applicable emission limit in 40 CFR §63.446(e)(5), then the owner or operator shall perform the following comparisons:
      - (A) If the value of fbio (MeOH) determined during the performance test specified in paragraph 7 (2)(i) of this section is within the range of values established during the initial and subsequent performance tests approved by the Administrator, then the parameter excursion is not a violation of the applicable standard.
      - (B) If the value of fbio (MeOH) determined during the performance test specified in paragraph 7 (2)(i) of this section is not within the range of values established during the initial and subsequent performance tests approved by the Administrator, then the parameter excursion is a violation of the applicable standard.
    - (iv) The results of the performance test specified in paragraph 7 (2)(i) of this section shall be recorded as specified in 40 CFR §63.454(f).

Rule 335-3-11-.06 (18)

**Federally Enforceable Provisos****Regulations****Recordkeeping and Reporting Requirements**

- |   |                        |
|---|------------------------|
| 1. For the pulping process condensates from the equipment systems of this section per the requirements of 40 CFR §63.446 the permittee shall meet the Recordkeeping and Reporting Requirements section of the “Enclosures and Closed-Vent Systems” provisos.  | Rule 335-3-11-.06 (18) |
| 2. For each applicable enclosure opening, closed-vent system, and closed collection system, the owner or operator shall meet the Recordkeeping and Reporting Requirements section of the “Enclosures and Closed-Vent Systems provisos”.   | Rule 335-3-11-.06 (18) |
| 3. The owner or operator shall record and report the CMS parameters specified in 40 CFR §63.453 and meet the requirements specified in the Recordkeeping and Reporting Requirements section of the “Enclosures and Closed-Vent Systems” Proviso Number 1 for any new affected process equipment or pulping process condensate stream that becomes subject to the standards in this subpart due to a process change or modification.   | Rule 335-3-11-.06 (18) |
| 4. If the owner or operator uses the results of the performance test required in Proviso 7 to revise the approved values or ranges of the site specific monitoring parameter for the condensate treatment system, the owner or operator shall submit an initial notification of the subsequent performance test to the Administrator as soon as practicable, but no later than 15 days, before the performance test required in Proviso 7 is scheduled to be conducted. The owner or operator shall notify the Administrator as soon as practicable, but no later than 24 hours, before the performance test is scheduled to be conducted to confirm the exact date and time of the performance test. | Rule 335-3-11-.06 (18) |

# Enclosures and Closed-Vent Systems Informational Summary

**Description:** Enclosures and Closed-Vent Systems  
**Emission Unit No:** S450  
**Installation Date:** N/A                      **Reconstruction / Modification date:** N/A  
**Operating Capacity:** N/A

This unit contains equipment that is subject to the following NSPSs, NESHAPs, or MACTs:  
**40 CFR Part 63 Subpart S**

### Pollutants Emitted

<b>Emission Point #</b>	<b>Point Description</b>	<b>Pollutant</b>	<b>Emission Limit</b>	<b>Standard</b>
S450	Enclosures and Closed-Vent Systems (1) Pulping System (except fugitive emissions from the No. 8 Mill Oxygen Delignification Surge Tank as described in the Clean Condensate Alternative (CCA) plan approved on June 23, 2022) and (2) Bleaching System	HAPs	Leak Detection and Repair Program  Each enclosure shall maintain negative pressure at each enclosure or hood opening.  Each enclosure or hood opening closed during the initial performance test shall be maintained in the same closed and sealed position at all times except for sampling, inspection, maintenance, or repairs.  Each component of the closed-vent that is operated at positive pressure and located prior to a control device shall be designed for and operated with no detectable leaks as indicated by an instrument reading of less than 500 ppm by volume above.	Rule 335-3-11-.06 (18)

## Enclosures and Closed-Vent Systems Provisos

Federally Enforceable Provisos	Regulations
<b>Applicability</b>	
1. This source is subject to the applicable requirements of Rule 335-3-16-.03, “Major Source Operating Permits”.	Rule 335-3-16-.03
2. This source is subject to federal National Emission Standards for Hazardous Pollutants General Provisions as provided for in Table 1 of Subpart S and Subpart S.	Rule 335-3-11-.06 (1) and (18)
<b>Emission Standards</b>	
1. (a) For the pulping system and pulp bleaching system per the requirements of 40 CFR Part 63 Subpart S each enclosure and closed vent system shall meet the requirements specified in bullets 1. (b) through (d) of this section, except fugitive emissions from the No. 8 Mill Oxygen Delignification Surge Tank as described in the Clean Condensate Alternative (CCA) plan approved on June 23, 2022.	Rule 335-3-11-.06 (18)
(b) Each enclosure shall maintain negative pressure at each enclosure or hood opening as demonstrated by the procedures specified in 40 CFR § 63.457(e). Each enclosure or hood opening closed during the initial performance test specified in 40 CFR §63.457(a) shall be maintained in the same closed and sealed position as during the performance test at all times except when necessary to use the opening for sampling, inspection, maintenance, or repairs.	Rule 335-3-11-.06 (18)
(c) Each component of the closed-vent system used to comply with 40 CFR §§ 63.443(c), 63.444(b), and 63.445(b) that is operated at positive pressure and located prior to a control device shall be designed for and operated with no detectable leaks as indicated by an instrument reading of less than 500 parts per million by volume above background, as measured by the procedures specified in 40 CFR §63.457(d).	Rule 335-3-11-.06 (18)
(d) Each bypass line in the closed-vent system that could divert vent streams containing HAP to the atmosphere without meeting the emission limitations in 40 CFR §§ 63.443, 63.444, or 63.445 shall comply with either of the following requirements:	Rule 335-3-11-.06 (18)
(1) On each bypass line, the owner or operator shall install, calibrate, maintain, and operate according to manufacturer’s specifications a flow indicator that provides a record of the presence of gas stream flow in the bypass line at least once every 15 minutes. The flow indicator shall be installed in the bypass line in such a way as to indicate flow in the bypass line; or	
(2) For bypass line valves that are not computer controlled, the owner or operator shall maintain the bypass line valve in the closed position with a car seal or a seal placed on the valve or closure mechanism in such a way that valve or closure mechanism cannot be opened without breaking the seal.	

## Enclosures and Closed-Vent Systems Provisos

### Federally Enforceable Provisos

### Regulations

#### Compliance and Performance Test Methods and Procedures

1. *Detectable leak procedures.* To measure detectable leaks for closed-vent systems as specified in 40 CFR §63.450 or for pulping process wastewater collection systems as specified in 40 CFR §63.446(d)(2)(i), the owner or operator shall comply with the following:
  - (1) Method 21, of 40 CFR Part 60, appendix A-7; and
  - (2) The instrument specified in Method 21 shall be calibrated before use according to the procedures specified in Method 21 on each day that leak checks are performed. The following calibration gases shall be used:
    - (i) Zero air (less than 10 parts per million by volume of hydrocarbon in air); and
    - (ii) A mixture of methane or n-hexane and air at a concentration of approximately, but less than, 10,000 parts per million by volume methane or n-hexane.
  
2. *Negative pressure procedures.* To demonstrate negative pressure at process equipment enclosure openings as specified in 40 CFR §63.450(b), the owner or operator shall use one of the following procedures:
  - (1) An anemometer to demonstrate flow into the enclosure opening;
  - (2) Measure the static pressure across the opening;
  - (3) Smoke tubes to demonstrate flow into the enclosure opening; or
  - (4) Any other industrial ventilation test method demonstrated to the Administrator's satisfaction.

Rule 335-3-11-.06 (18)

Rule 335-3-11-.06 (18)

#### Emission Monitoring

1. (a) Each enclosure and closed-vent system used to comply with 40 CFR §63.450(a) shall comply with the requirements specified in bullets (a)(1) through (a)(6) of this section.
  - (1) For each enclosure opening, a visual inspection of the closure mechanism specified in 40 CFR §63.450(b) shall be performed at once per calendar month with at least 21 days between inspections to ensure the opening is maintained in the closed position and sealed.
  - (2) Each closed-vent system required by 40 CFR §63.450(a) shall be visually inspected at least once per calendar month with at least 21 days elapsed time between inspections and at other times as requested by the Administrator. The visual inspection shall include inspection of ductwork, piping, enclosures, and connections to covers for visible evidence of defects.
  - (3) For positive pressure closed-vent systems or portions of closed-vent systems, demonstrate no detectable leaks as specified in 40 CFR §63.450(c) measured initially and annually by the procedures in 40 CFR §63.457(d).
  - (4) Demonstrate initially and annually that each enclosure opening is maintained at negative pressure as specified in §63.457(e).

Rule 335-3-11-.06 (18)

## Enclosures and Closed-Vent Systems Provisos

### Federally Enforceable Provisos

### Regulations

- (5) The valve or closure mechanism specified in 40 CFR §63.450(d)(2) shall be inspected at least once each calendar month, with at least 21 days elapsed time between inspections to ensure that the valve is maintained in the closed position and the emission point gas stream is not diverted through the bypass line.
  - (6) If an inspection required by bullets (a)(1) through (a)(6) of this section identifies visible defects in ductwork, piping, enclosures or connections to covers required by 40 CFR §63.450, or if an instrument reading of 500 parts per million by volume or greater above background is measured, or if enclosure openings are not maintained at negative pressure, then the following corrective actions shall be taken as soon as practicable.
    - (i) A first effort to repair or correct the closed-vent system shall be made as soon as practicable but no later than 5 calendar days after the problem is identified.
    - (ii) The repair or corrective action shall be completed no later than 15 calendar days after the problem is identified. Delay of repair or corrective action is allowed if the repair or corrective action is technically infeasible without a process unit shutdown or if the owner or operator determines that the emissions resulting from immediate repair would be greater than the emissions likely to result from delay of repair. Repair of such equipment shall be completed by the end of the next process unit shutdown.
2. Each pulping process condensate closed collection system used to comply with 40 CFR §63.446(d) shall comply with the requirements specified in bullets 2. (a) through (c) of this section.
- (a) Each pulping process condensate closed collection system shall be visually inspected at least once each calendar month, with at least 21 days elapsed time between inspections and shall comply with the inspection and monitoring requirements specified in §63.964 of subpart RR of 40 CFR Part 63, except:
    - (i) Owners or operators shall comply with the recordkeeping requirements of §63.454 instead of the requirements specified in 40 CFR §63.964(a)(1)(vi) and (b)(3) of subpart RR of this part.
    - (ii) Owners or operators shall comply with the inspection and monitoring requirements for closed-vent systems and control devices specified in paragraphs (a) and (k) of 40 CFR §63.453 instead of the requirements specified in 40 CFR §63.964(a)(2) of subpart RR of this part.
  - (b) Each condensate tank used in the closed collection system shall be operated with no detectable leaks as specified in 40 CFR §63.446(d)(2)(i) measured initially and annually by the procedures specified in 40 CFR §63.457(d).
  - (c) If an inspection required by this section identifies visible defects in the closed collection system, or if an instrument reading of 500 parts per million or greater above background is measured, then corrective actions specified in 40 CFR §63.964(b) of subpart RR of this part shall be taken.

Rule 335-3-11-.06 (18)

## Enclosures and Closed-Vent Systems Provisos

Federally Enforceable Provisos	Regulations
<b>Recordkeeping and Reporting Requirements</b>	
<p>1. (a) The owner or operator of each affected source subject to the requirements of Subpart S shall comply with the recordkeeping requirements of 40 CFR §63.10 of Subpart A, as shown in Table 1 of Subpart S and the requirements specified in bullets 1. (b) and (c) of this section for the monitoring parameters specified in 40 CFR §63.453.</p> <p>(b) For each applicable enclosure opening, closed-vent system, and closed collection system, the owner or operator shall prepare and maintain a site-specific inspection plan including a drawing or schematic of the components of applicable affected equipment and shall record the following information for each inspection:</p> <ol style="list-style-type: none"> <li>(1) Date of inspection;</li> <li>(2) The equipment type and identification;</li> <li>(3) Results of negative pressure tests for enclosures;</li> <li>(4) Results of leak detection tests;</li> <li>(5) The nature of the defect or leak and the method of detection (i.e., visual inspection or instrument detection);</li> <li>(6) The date the defect or leak was detected and the date of each attempt to repair the defect or leak;</li> <li>(7) Repair methods applied in each attempt to repair the defect or leak;</li> <li>(8) The reason for the delay if the defect or leak is not repaired within 15 days after discovery;</li> <li>(9) The expected date of successful repair of the defect or leak if the repair is not completed within 15 days;</li> <li>(10) The date of successful repair of the defect or leak;</li> <li>(11) The position and duration of opening of bypass line valves and the condition of any valve seals; and</li> <li>(12) The duration of the use of bypass valves on computer controlled valves.</li> </ol> <p>(c) The owner or operator shall record the CMS parameters specified in 40 CFR §63.453 and meet the requirements specified in bullet 1. (a) of this section for any new affected process equipment or pulping process condensate stream that becomes subject to the standards in Subpart S due to a process change or modification.</p>	<p>Rule 335-3-11-.06 (18)</p> <p>Rule 335-3-11-.06 (18)</p> <p>Rule 335-3-11-.06 (18)</p>