WASHINGTON STATE DEPARTMENT OF ECOLOGY
EASTERN REGIONAL OFFICE

IN THE MATTER OF THE COMPLIANCE BY **BOISE CASCADE WOOD PRODUCTS, LLC** **KETTLE FALLS LUMBER** with Section 70A.15.2260 RCW, Operating Permits for Air Contaminant Sources, and the applicable rules and Regulations of the Department of Ecology	))))))	**DRAFT** AIR OPERATING PERMIT No. 22AQ-E032

To: Boise Cascade Wood Products, LLC
1274 S. Boise Rd
Kettle Falls, WA 99141

Issue Date: July 15, 2022
Effective Date: August 1, 2022
Expiration Date: July 31, 2027

Responsible Official: **Anthony Flagor**
Facility Location: **610 West 3rd Avenue, Kettle Falls, WA 99141**
AQPID Number: **A0650010**

Legal Authority:

This Air Operating Permit is issued under the authority and provisions of the Federal Clean Air Act (FCAA), (42 U.S.C. 7401, et seq.), the Washington Clean Air Act, Chapter 70A.15 Revised Code of Washington (RCW) and the Operating Permit Regulation, Chapter 173-401 Washington Administrative Code (WAC).

Hereinafter, Boise Cascade Wood Products, LLC, Kettle Falls Lumber is called the permittee. The permittee is required to comply with the provisions contained within this permit.

The Renewal Air Operating Permit DATED at Spokane, Washington this 15th day of July 2022.

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List of Abbreviations

AOP	Air Operating Permit
BACT	Best Available Control Technology
BTU	British Thermal Units
°C	Degrees Celsius
CAM	Compliance Assurance Monitoring
CFR	Code of Federal Regulations
CO	Carbon Monoxide
COMS	Continuous Opacity Monitoring System
dscf	Dry Standard Cubic Foot
dscf/m	Dry Standard Cubic Foot per minute
Ecology	Washington State Department of Ecology
E.I.T.	Engineer in Training
EPA	United States Environmental Protection Agency
°F	Degrees Fahrenheit
FCAA	Federal Clean Air Act
FDCP	Fugitive Dust Control Plan
ft^3	Cubic foot
gr/dscf	Grain per dry standard cubic foot
hr	Hour
MMBtu	Million British Thermal Units
MRRR	Monitoring, Recordkeeping, and Reporting Requirement
MVAC	Motor Vehicle Air Conditioner
N_2	Nitrogen gas
NOC	Notice of Construction
NO_x	Oxides of Nitrogen
NSPS	New Source Performance Standard
O_2	Oxygen
O&M	Operation & Maintenance
P.E.	Professional Engineer
PM	Particulate Matter
PM-10	Particulate Matter with aerodynamic diameter $\leq$ 10 micrometers
ppm	Parts per million
QIP	Quality Improvement Plan
PSD	Prevention of Significant Deterioration
RACT	Reasonably Available Control Technology
RCW	Revised Code of Washington
RM	EPA Reference Method from 40 CFR Part 60, Appendix A
SERP	Source Emission Reduction Plan
scfm	Standard Cubic Feet per Minute
SIP	State Implementation Plan
SO_2	Sulfur Dioxide
TAP	Toxic Air Pollutant
TPY	Tons Per Year
TSP	Total Suspended Particulate
VOC	Volatile Organic Compound
WAC	Washington Administrative Code
yr	Year

All information required for submittal throughout this permit, is to be submitted to Ecology, EPA, or both as specified by the applicable requirement, at the following addresses:

Air Quality Program
Department of Ecology
4601 N. Monroe Street
Spokane, WA 99205-1295

U.S. EPA Region 10
Office of Air, Waste and Toxics (AQT-150)
1200 Sixth Avenue, Suite 155
Seattle, WA 98101-3140

1. Standard Conditions

1.1 Permit Shield

1.1.1 Compliance with the terms and conditions of this permit must be deemed compliance with those applicable requirements that are specifically included and identified in this permit as of the date of permit issuance.

1.1.2 The permit shield must not apply to any insignificant emissions unit or activity designated under WAC 173-401-530.

[WAC 173-401-530(3)], [WAC 173-401-640(1)]

1.2 Enforceability

All terms and conditions of the permit are enforceable by the EPA and citizens unless specifically designated as state-only enforceable.

[WAC 173-401-625], [WAC 173-400-111(10)]

1.3 Permit Fees

The permittee must pay fees as a condition of this permit in accordance with Ecology's fee schedule. Failure to pay fees in a timely fashion must subject the permittee to civil and criminal penalties as prescribed in chapter 70A.15 RCW. Ecology may revoke this operating permit if the permit fees are not paid, per WAC 173-401-930(3).

[WAC 173-401-620(2)(f), 930(3)], [RCW 70A.15.2270(1), 2005 (S)], [Order No. DE 94AQ-E169 Second Amendment, Issued 5/17/96, Approval Condition 6.10]

1.4 Permit Continuation

This permit and all terms and conditions contained therein, including any permit shield provided under WAC 173-401-640, will not expire until the renewal permit has been issued or denied if a timely and complete application has been submitted. An application shield granted pursuant to WAC 173-401-705(2) must remain in effect until the renewal permit has been issued or denied if a timely and complete application has been submitted.

[WAC 173-401-620(2)(j)]

1.5 Property Rights

This permit does not convey any property rights of any sort, or any exclusive privilege.

[WAC 173-401-620(2)(d)]

1.6 Inspection and Entry

Upon presentation of credentials and other documents as may be required by law, the permittee must allow Ecology, EPA, or an authorized representative to perform the following:

1.6.1 Enter upon the permittee's premises where a chapter 401 source is located or emissions-related activity is conducted, or where records must be kept under the conditions of this permit.

1.6.2 Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit.

1.6.3 Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.

1.6.4 As authorized by WAC 173-400-105 and the FCAA, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or other applicable requirements.

1.6.4.1 Ecology may require the permittee to conduct stack testing and/or ambient air monitoring and report the results to Ecology.

1.6.4.2 Ecology may conduct or require a test be conducted using approved methods from 40 CFR parts 51, 60, 61 and 63 (in effect on July 01, 2015), or Ecology's Source Test Manual – Procedures for Compliance Testing. Permittee will be required to provide a platform and sampling ports as well as safe and adequate access to them. Ecology will be allowed to obtain a sample from any emissions unit. The permittee must be given opportunity to observe the sampling and obtain a sample at the same time.

1.6.5 No person must obstruct, hamper, or interfere with any such authorized representative while in the process of carrying out his or her official duties.

1.6.6 Nothing in this condition must limit the ability of EPA to inspect or enter the premises of the permittee under Section 114 or other provisions of the FCAA.

[WAC 173-401-630(2)], [WAC 173-400-105(2), (4)], [RCW 70A.15.2500], [Order No. DE 94AQ-E169 Second Amendment, Issued 5/17/96, Approval Conditions 4 and 6.4], [Order No. DE 93AQ-E111, Issued 3/19/93, Approval Conditions 7.3 and 8.5], [Approval Order 17AQ-E034, Issued 09/20/2017, Approval Condition 8.3], [Order No. 10AQ-E389, Issued 02/25/11, Approval Condition 5.5].

1.7 Duty to Comply

The permittee must comply with all conditions of this chapter 173-401 operating permit. Any permit noncompliance constitutes a violation of chapter 70A.15 RCW and, for federally enforceable provisions, a violation of the FCAA. Such violations are grounds for enforcement action; for permit termination, revocation and re-issuance, or modification; or for denial of a permit renewal application.

[WAC 173-401-620(2)(a)], [Order No. DE 94AQ-E169 Second Amendment, Issued 5/17/96, Approval Condition 6.8], [Order No. DE 93AQ-E111, Issued 3/19/93, Approval Condition 8.9], [Approval Order 17AQ-E034, Issued 09/20/2017, Approval Condition 8.8].

1.8 Duty to Provide Information

The permittee must furnish to Ecology, within a reasonable time, any information that Ecology may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee must also furnish to Ecology copies of records required to keep by this permit or, for information claimed to be confidential, the permittee may furnish such records directly to Ecology along with a claim of confidentiality. Ecology must maintain confidentiality of such information in accordance with RCW 70A.15.2510.

No person will make any false material statement, representation or certification in any form, notice or required report. No person will render inaccurate any required monitoring device or method.

[WAC 173-401-620(2)(e)], [WAC 173-400-105(7), (8)]

1.9 Duty to Supplement or Correct Application

The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, must promptly submit such supplementary facts or corrected information. The permittee must also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete renewal application was submitted but prior to release of a draft permit.

[WAC 173-401-500(6)]

1.10 Need to Halt or Reduce Activity not a Defense

It must not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

[WAC 173-401-620(2)(b)]

1.11 Excess Emissions Due to an Emergency

The permittee may seek to establish that noncompliance with a technology-based emission limitation under this permit was due to an emergency. To do so, the permittee must demonstrate the affirmative defense of emergency through properly signed, contemporaneous operating logs, or other relevant evidence that:

1.11.1 An emergency occurred and that the permittee can identify the cause(s) of the emergency,

1.11.2 The permitted facility was being properly operated at the time of the emergency,

1.11.3 During the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other

requirements in this permit, and

1.11.4 The permittee submitted notice of the emergency to Ecology within two working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken. E-mail or fax are the preferred notification methods. The notice should be directed to appropriate air quality personnel at Ecology's Eastern Regional Office using the most recent contact information.

[WAC 173-401-645]

1.12 Unavoidable Excess Emissions

1.12.1 WAC 173-400-107: WAC 173-400-107 is in effect until 173-400-108 and 173-400-109 become effective.

1.12.2 The permittee must have the burden of proving to Ecology that excess emissions were unavoidable. This demonstration must be a condition to obtaining relief under 1.12.2.1, 1.12.2.2, or 1.12.2.3.

1.12.2.1 Excess emissions due to startup or shutdown conditions must be considered unavoidable provided the source reports as required under Condition 1.13.1 and adequately demonstrates that the excess emissions could not have been prevented through careful planning and design and if a bypass of control equipment occurs, that such bypass is necessary to prevent loss of life, personal injury, or severe property damage.

1.12.2.2 Excess emissions due to scheduled maintenance must be considered unavoidable if the source reports as required under Condition 1.13.1 and adequately demonstrates that the excess emissions could not have been avoided through reasonable design, better scheduling for maintenance or through better operation and maintenance practices.

1.12.2.3 Excess emissions due to upsets must be considered unavoidable provided the source reports as required under Condition 1.13.1, and adequately demonstrates that:

1.12.2.3.1 The event was not caused by poor or inadequate design, operation, or maintenance.

1.12.2.3.2 The event was not of a recurring pattern indicative of inadequate design, operation, or maintenance.

1.12.2.3.3 The operator took immediate and appropriate corrective action in a manner consistent with good air pollution control practice for minimizing emissions during the event taking into account the total emissions impact of the corrective action, including slowing or shutting down the emission unit as necessary to minimize emissions, when the operator knew or should have known that an emission standard or permit condition was being exceeded.

[WAC 173-400-107]

1.12.3 WAC 173-400-108 – (State-only requirement not federally enforceable) This section will be in effect as outlined in Condition 1.12.1

1.12.3.1 Notify the permitting authority.

1.12.3.1.1 When excess emissions represent a potential threat to human health or safety, the owner or operator must notify the permitting authority by phone or electronic means as soon as possible, but not later than 12 hours after the excess emissions were discovered.

1.12.3.1.2 For all other excess emissions, the owner or operator must notify the permitting authority in a report as provided in 1.12.3.2.

1.12.3.2 Report – The owner or operator must report all excess emissions to the permitting authority.

1.12.3.2.1 To claim emissions as unavoidable under WAC 173-400-109, the report must contain the information in 1.12.3.2.3.

1.12.3.2.2 Chapter 173-401 WAC source: As provided in WAC 173-401-615(3) and 1.12.3.2.3.

1.12.3.2.3 For an excess emission event that the owner or operator claims was unavoidable under WAC 173-400-109, the report must also include the following information:

1.12.3.2.3.1 Properly signed contemporaneous records or other relevant evidence documenting the owner or operator’s actions in response to the excess emissions event.

1.12.3.2.3.2 Information on whether installed emission monitoring and pollution control systems were operating at the time of the exceedance. If either or both systems were

not operating, information on the cause and duration of the outage.

1.12.3.2.3.3 All additional information required under WAC 173-400-109(5) supporting the claim that the excess emissions were unavoidable.

[WAC 173-400-108]

1.12.4 WAC 173-400-109. (State-only requirement not federally enforceable) This section will be in effect as outlined in Condition 1.12.1.

1.12.4.1 Excess emissions determined to be unavoidable under the procedures and criteria in this section are violations of the applicable statute, rule, permit, or regulatory order.

1.12.4.1.1 The permitting authority determines whether excess emissions are unavoidable based on the information supplied by the source and the criteria in 1.12.4.5.

1.12.4.1.2 Excess emissions determined by the permitting authority to be unavoidable are:

1.12.4.1.2.1 A violation subject to WAC 173-400-230 (3), (4) and (6).

1.12.4.1.2.2 Not subject to civil penalty under WAC 173-400-230(2).

1.12.4.2 The owner or operator of a source must have the burden of proving to the permitting authority in an enforcement action that excess emissions were unavoidable. This demonstration must be a condition to obtaining relief under 1.12.4.5.

1.12.4.3 This section does not apply to an exceedance of an emission standard in 40 CFR Parts 60, 61, 62, 63, and 72, or a permitting authority's adoption by reference of these federal standards.

1.12.4.4 Excess emissions that occur due to an upset or malfunction during a startup or shutdown event are treated as an upset or malfunction under 1.12.4.5.

1.12.4.5 Excess emissions due to an upset or malfunction will be considered unavoidable provided the source reports as required by WAC 173-400-108 and adequately demonstrates to the permitting authority that:

1.12.4.5.1 The event was not caused by poor or inadequate design, operation, maintenance, or any other reasonably preventable condition.

1.12.4.5.2 The event was not of a recurring pattern indicative of inadequate design, operation or maintenance.

1.12.4.5.3 When the operator knew or should have known that an emission standard or other permit condition was being exceeded, the operator took immediate and appropriate corrective action in a manner consistent with safety and good air pollution control practice for minimizing emissions during the event, taking in to account the total emissions impact of the corrective action. Actions taken could include slowing or shutting down the emission unit as necessary to minimize emissions.

1.12.4.5.4 If the emitting equipment could not be shut down during the malfunction or upset to prevent the loss of life, prevent personal injury or severe property damage, or to minimize overall emissions, repairs were made in an expeditious fashion.

1.12.4.5.5 All emission monitoring systems and pollution control systems were kept operating to the extent possible unless their shutdown was necessary to prevent loss of life, personal injury, or severe property damage.

1.12.4.5.6 The amount and duration of the excess emissions (including any bypass) were minimized to the maximum extent possible.

1.12.4.5.7 All practicable steps were taken to minimize the impact of the excess emissions on ambient air quality.

[WAC 173-400-109]. [Order No. DE 93AQ-E111, Issued 3/19/93, Approval Condition 3]

1.13 Reporting

1.13.1 Monthly Deviation Reports.

The permittee must report all deviations from permit conditions and must include the following information: the time the deviation occurred, the duration of the deviation, the magnitude of the deviation in relation to the applicable limit, the probable cause of the deviation, and any corrective actions or preventive measures taken. Deviations must be reported to Ecology at the address included in this permit.

1.13.1.1 Deviations which represent a potential threat to human health or safety, or which the source believes to be unavoidable (1.12) must be reported as soon as possible, but in no case later than 12 hours after the deviation is discovered.

1.13.1.2 Excess emissions due to emergency (1.11), or which the source believes unavoidable (1.12), and does not meet the criteria 1.13.1.1, must be reported within 2 working days of the event.

1.13.1.3 All other deviations must be reported no later than 30 days after the end of the month during which the deviation is discovered.

1.13.1.4 For any month during with no permit deviations are discovered, the permittee must submit a report no later than 30 days following the end of the month stating that no deviations were observed during that period.

Upon request by Ecology, the permittee must submit a full written report including further details regarding the known causes, the corrective actions taken, and the preventative measures to take to minimize or eliminate the chance of recurrence. The source must maintain a contemporaneous record of all deviations. Responsible official certification in accordance with Condition 1.13.5 of monthly deviation reports must be included in each semi-annual monitoring report covering all deviations reported during the previous six-month period.

[WAC 173-401-615(3)(b), 630(1)], [WAC 173-400-107], [Approval Order 17AQ-E034, Issued 09/20/2017, Approval Condition 6.6, 7.1], Order No. 10AQ-E389, Issued 02/25/11, Approval Condition 3.1]

1.13.2 Semi-Annual Monitoring

The permittee must submit reports of any required monitoring (i.e., Monitoring Recordkeeping and Reporting identified in section 3) at least once every six months. Six-month periods must be from January 1st through June 30th, and from July 1st through December 31st.

1.13.2.1 Semi-annual monitoring reports must be due no later than forty-five (45) days following the end of each six-month period.

1.13.2.2 All instances of deviations from permit requirements must be clearly identified in such reports.

1.13.2.3 The report must include identification of all months during which no deviations occurred.

1.13.2.4 All required reports must be certified by a responsible official consistent with Condition 1.13.6.

1.13.2.5 The first semi-annual monitoring report submitted under this Renewal AOP must include all information required to be submitted under AOP 22AQ-E032 as well as any additional information required under this Renewal AOP.

[WAC 173-401-615(3)(a)]

1.13.3 Compliance Certifications.

The permittee must submit a certification of compliance with permit terms and conditions at least once per calendar year. Certifications must be submitted no later than 45 days following the end of the certification period (calendar year). Ecology may require that compliance certifications be submitted more frequently for those emission units not in compliance with permit terms and conditions, or where more frequent certification is specified in the applicable requirement.

[WAC 173-401-630(5)(a)], [WAC 173-401-630(1)] This MRRR includes gap filling.

1.13.3.1 The certification must describe and include the following:

1.13.3.1.1 Identification of each permit term or condition that is the basis of the certification.

1.13.3.1.2 The compliance status.

1.13.3.1.3 Whether compliance was continuous or intermittent.

1.13.3.1.4 The methods used for determining compliance, currently and over the reporting period consistent with WAC 173-401-615(3)(a).

[WAC 173-401-630(5)(c)]

1.13.3.2 All compliance certifications must be submitted to Ecology and EPA Region 10 at the respective addresses included in this permit.

[WAC 173-401-630(5)(d)]

1.13.3.3 The permittee may certify continuous compliance for insignificant emission units or activities if there were not observed, documented, or known instances of noncompliance during the reporting period.

[WAC 173-401-530(2)(d)]

1.13.3.4 All compliance certifications must include certification by a responsible official in accordance with condition 1.13.6.

1.13.3.5 For the purpose of submitting compliance certifications, or establishing whether or not a person has violated or is in violation of any requirement of this permit, nothing must preclude the use, including the exclusive use, of any credible evidence or information, relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test had been performed.

[40 CFR 52.33(a)]

1.13.4 Emission Inventory.

The permittee must submit an inventory of actual emissions from the source for each calendar year. The inventory must include segmented stack and fugitive emissions of TSP, PM-10, SO2, CO, NOX, lead, and VOC's, and must be submitted no later than April 15th of the following year. The source must maintain records of information necessary to substantiate any reported emissions, consistent with

the averaging times for the applicable standards. Emission inventories must be reported to Ecology in the Washington Emission Inventory Repository System.

[WAC 173-400-105(1)], [Approval Order 17AQ-E034, Issued 09/20/2017, Approval Condition 7.3]

1.13.5 Greenhouse Gas Reporting.

If the permittee emits 10,000 metric tons of greenhouse gases (GHGs) or more per calendar year, GHGs are required to be reported to Ecology. (Note: WAC 173-441-030(5) details reporting requirements for facilities which are subject to the requirements, but fall below reporting thresholds). All requests, notifications, and communications to Ecology regarding GHGs, other than submittal of the annual GHG report, must be submitted to: Greenhouse Gas Report, Air Quality Program, Department of Ecology, PO Box 47600, Olympia, WA 98504-7600. Annual GHG reports must be submitted through Ecology's GHG Reporting webpage.

Reports must meet the requirements of WAC 173-411-050 and include the annual emissions of the GHGs listed in WAC 173-441-040 from source categories listed in WAC 173-441-120. The annual GHG report must be submitted electronically in accordance with WAC 173-441-050 and WAC 173-441-060, in a format specified by Ecology. The GHG report is due to Ecology by March 31st of each year for the previous calendar year.

If the facility emits 10,000 metric tons of GHGs or more per calendar year, the permittee must develop a written GHG monitoring plan. The plan must be revised, as needed, to reflect changes in processes, monitoring instruction, and quality assurance procedures; or to improve procedures for the maintenance and repair of monitoring systems to reduce the frequency of monitoring equipment downtime.

[Chapter 173-441 WAC]

1.13.6 Submittals. Reports, test data, monitoring data, notifications, certifications, and applications (including requests for renewal) must be submitted to Ecology at the address included in this permit. Ecology may specify a different or additional submittal format in accordance with WAC 173-400-105(1), such as electronic submittal(s). Any application form, report, or compliance certification submitted to Ecology pursuant to this permit must contain certification of truth, accuracy, and completeness by a responsible official. All certifications must state that "based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete". The permittee must promptly, upon discovery, report to Ecology any material error or omission in these records, reports, plans or other documents.

[WAC 173-401-520], [WAC 173-401-500(6)]

1.14 Severability

If any provision of this permit, or application of any provision of this permit, is held to be invalid, all unaffected provisions of the permit must remain in effect and be enforceable.

[WAC 173-401-620(2)(h)], [RCW 70A.15.9004]

1.15 Administrative Permit Amendments

1.15.1 An administrative permit amendment is a permit revision that:

1.15.1.1 Corrects typographical errors within the permit.

1.15.1.2 Identifies a change in the name, address, or phone number of any person identified in the permit, or provides for a similar minor administrative change at the source,

1.15.1.3 Requires more frequent monitoring or reporting by the permittee.

1.15.1.4 Allows for a change in ownership or operational control of this source where the permitting authority has determined that no other change in this permit is necessary and provided that a written agreement containing a specific date for transfer of permit responsibility, coverage, and liability between the current and new permittee has been submitted to Ecology.

1.15.1.5 Incorporates into the permit the terms, conditions, and provisions from orders approving notice of construction applications processed under an EPA-approved program, provide that such a program meets procedural requirements substantially equivalent to the requirements of WAC 173-401-700, 173-401-725, and 173-401-800 that would be applicable to the change if it were subject to review as a permit modification, and compliance requirements substantially equivalent to those contained in WAC 173-401-600 through 173-401-650.

1.15.2 The source may implement the changes addressed in the request for an administrative amendment immediately upon submittal of the request.

1.15.3 The permitting authority must, upon taking final action granting a request for an administrative permit amendment, allow coverage by the permit shield in WAC 173-401-640 for administrative permit amendments made pursuant to Condition 1.15.1.5.

[WAC 173-401-720]

1.16 Permit Actions

This operating permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and re-issuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

[WAC 173-401-620(2)(c)]

1.17 Reopening for Cause

1.17.1 Ecology will reopen and revise this permit as necessary to remedy deficiencies in the following circumstances:

1.17.1.1 Additional requirements under the FCAA become applicable to a major source three or more years prior to the expiration date of this permit.

Such a reopening must be completed no later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the expiration date of this permit, unless the original permit or any of its terms and conditions have been extended pursuant to WAC 173-401-620(2)(j).

1.17.1.2 Additional requirements (including excess emissions requirements) become applicable under the acid rain program.

1.17.1.3 Ecology or the Administrator determines that this permit contains a material mistake or inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.

1.17.1.4 Ecology or the Administrator determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

1.17.2 Proceedings to reopen and issue this permit must follow the same procedures as apply to initial permit issuance and must affect only those parts of this permit for which cause to reopen exists. Such reopening must be made as expeditiously as practicable.

1.17.3 Reopening must not be initiated before a notice of intent to reopen is provided to the permittee by Ecology at least 30 days in advance of the date that this permit is to be reopened, except that Ecology may provide a shorter time period in the case of an emergency.

1.17.4 All permit conditions remain in effect until such time as Ecology takes final action.

[WAC 173-401-730]

1.18 Off-Permit Changes

The permittee is allowed to make certain changes that are not specifically addressed or prohibited by this permit without a permit revision. All such changes must meet the following conditions:

1.18.1 The proposed changes must not weaken the enforceability of any existing permit conditions.

1.18.2 Each such change must meet all applicable requirements and must not violate any existing permit term or condition.

1.18.3 Before or contemporaneously with making the off-permit change, the permittee must provide written notice to Ecology and EPA Region 10 at the respective addresses included in this permit. Such written notice must describe each such change, including the date, any change in emissions, pollutants emitted, and any applicable requirements that would apply as a result of the change.

1.18.4 The change must not qualify for the permit shield under condition 1.1.

1.18.5 The permittee must keep a record of all changes that result in emissions of any regulated air pollutant subject to any applicable requirement, but not otherwise

regulated under this permit, and the emissions resulting from those changes. The record must reside at the permitted facility.

1.18.6 A source making a change under this section must comply with the preconstruction review requirements established pursuant to condition 1.20.

[WAC 173-401-724]

1.19 Changes not Requiring Permit Revisions

1.19.1 Section 502(b)(10) changes. The permittee is authorized to make Title V (FCAA) section 502(b)(10) changes, as defined in WAC 173-401-200(30), without a permit revision, providing the conditions included below are met. The permit shield as described in Condition 1.1 must not apply to any change made pursuant to this paragraph.

1.19.1.1 The proposed changes are not Title I (FCAA) modifications.

1.19.1.2 The proposed changes do not result in emissions which exceed those allowable under the permit, whether expressed as a rate of emissions, or in total emissions.

1.19.1.3 The proposed changes do not alter permit terms that are necessary to enforce limitation on emissions from units covered by the permit.

1.19.1.4 The facility provides Ecology and EPA with written notification at least seven days prior to making the proposed changes except that written notification of a change made in response to an emergency must be provided as soon as possible after the event.

1.19.1.4.1 The written notification must include a brief description of the change within the permitted facility, the date on which the change will or did occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.

[WAC 173-401-722(2)]

1.19.2 Changes related to Emissions trading under an emissions cap. Pursuant to condition 1.19.1, the permittee is authorized to trade increases and decreases in emission in the permitted facility, where the Washington state implementation plan provides for such emissions trades without requiring a permit revision. This provision is available in those cases where the permit does not already provide for such emissions trading. Such changes must be subject to the following:

1.19.2.1 The written notification required under condition 1.19.1.4 must include such information as may be required by the provision in the Washington SIP authorizing the emissions trade, including at a minimum, when the proposed change will occur, a description of each such change, any change in emissions, the permit requirements with which the source will comply using the emissions trading provisions of the Washington SIP, and the pollutants emitted subject to the emissions trade. The notice must also refer to the provisions with which the source will comply in the applicable implementation plan and that

provide for the emissions trade. The notification must state how any increases or decreases in emissions will comply with the terms and conditions of the permit. (The permit shield described under condition 1.1 must extend to terms and conditions that allow such increases and decreases.)

1.19.2.2 The permit shield described in condition 1.1 must not extend to any change made under this paragraph. Compliance with the permit requirements that the source will meet using the emissions trade must be determined according to requirements of the applicable implementation plan authorizing the emissions trade.

1.19.2.3 Upon the request of the permit applicant, Ecology must issue permits that contain terms and conditions, including all terms required under WAC 173-401-600 through 173-401-630 to determine compliance, allowing for the trading of emissions increases and decreases in the chapter 173-401 WAC source solely for the purpose of complying with a federally enforceable emissions cap that is established in the permit independent of otherwise applicable requirements. The permit applicant must include in its application proposed replicable procedures and permit terms that ensure the emissions trades are quantifiable and enforceable. The emissions trading provision must not be applied to any emissions units for which emission are not quantifiable or for which there are no replicable procedures to enforce the emissions trades. The permit must also require compliance with all applicable requirements.

1.19.2.4 A source making a change under this section must comply with applicable preconstruction review requirements established pursuant to condition 1.20.

1.19.2.5 No permit revision must be required, under any approved economic incentives, marketable permits, and other similar programs or processes for changes that are provided for in this permit such as emissions trading.

[WAC 173-401-722], [WAC 173-401-620(2)(g)]

1.20 New Source Review

The permittee must not construct new sources or make modifications required to be reviewed under WAC 173-400-110, WAC 173-400-113, WAC 173-400-720, or WAC 173-460 before the permittee obtains written final approval from Ecology in accordance with those regulations, pays the appropriate fees required by WAC 173-455-120, and pays the cost of public notice described in WAC 173-400-171.

[WAC 173-400-110], [WAC 173-400-113], [WAC 173-455-120], [WAC 173-400-720], [WAC 173-400-171], [WAC 173-460], [RCW 70A.15.2210], [Order No. DE 94AQ-E169 Second Amendment, Issued 5/17/96, Approval Condition 1], [Order No. DE 93AQ-E111, Issued 3/19/93, Approval Condition 1]

1.21 Replacement or Substantial Alteration of Emission Control Technology

Prior to replacing or substantially altering emission control technology subject to review under WAC 173-400-114, the permittee must file for and obtain approval from Ecology according to that regulation. The permittee must pay the appropriate fees required by WAC 173-455-100 prior to commencing construction.

[WAC 173-455-100], [WAC 173-400-114], [RCW 70A.15.2220]

1.22 Operational Flexibility

1.22.1 In the event that an emission unit is not operated during a period equal to or greater than the monitoring period designated, no monitoring is required. Recordkeeping and reporting must note the reason why and length of time that the emission unit was not operated.

1.22.2 The permittee did not propose any further alternative operating scenarios.

[WAC 173-401-650]

1.23 Permit Appeals

This permit or any conditions in it may be appealed.

This permit or any conditions in it may be appealed only by filing an appeal with the pollution control hearings board and serving it on the permitting authority within thirty days of receipt pursuant to RCW 43.21B.310. This provision for appeal in this section is separate from and additional to any federal rights to petition and review under § 505(b) of the FCAA.

The appeal process is governed by Chapter 43.21B RCW and Chapter 371-08 WAC. "Date of receipt" is defined in RCW 43.21B.001(2).

To appeal you must do all of the following within 30 days of the date of receipt of this permit:

- File your appeal and a copy of this permit with the PCHB (see addresses below). Filing means actually receipt by the PCHB during regular business hours.
- Serve a copy of your appeal and this permit on Ecology in paper form – by mail or in person (see addresses below). E-mail is not accepted.

You must also comply with other applicable requirements in Chapter 43.21B RCW and Chapter 371-08 WAC.

Address and Location Information

Street Addresses:

Department of Ecology
Attn: Appeals Processing Desk
300 Desmond Drive SE
Lacey, WA 98503

Pollution Control Hearings Board
4224 – 6th Avenue SE
Rowe Six, Building 2
Lacey, WA 98503

Mailing Addresses:

Department of Ecology
Attn: Appeals Processing Desk
PO Box 47608
Olympia, WA 98504-7608

Pollution Control Hearings Board
PO Box 40903
Olympia, WA 98504-0903

E-Mail Address:

Department of Ecology

Not currently available (see WAC 371-08)

Pollution Control Hearings Board

Pchb-shbappeals@eluho.wa.gov

[WAC 173-401-620(2)(i)], [WAC 371-08-335]

1.24 Federal Chlorofluorocarbons (CFC) Requirements – Title VI of the FCAA

1.24.1 The permittee must comply with the following standards for recycling and emissions reductions pursuant to 40 CFR 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in subpart B.

1.24.1.1 Persons opening appliances for maintenance, service, repair or disposal must comply with the required practices pursuant to 40 CFR 82.156.

1.24.1.2 Equipment used during the maintenance, service, repair or disposal must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.

1.24.1.3 Persons performing maintenance, service, repair or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

1.24.1.4 Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" is defined at 40 CFR 82.152.)

1.24.1.5 Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156.

1.24.1.6 Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep servicing records documenting the date and type of service, as well as the quantity of refrigerant added. The owner/operator must keep records of refrigerant purchased and added to such appliances in cases where owners add their own refrigerant. Such records should indicate the date(s) when refrigerant is added pursuant to 40 CFR 82.166.

1.24.1.7 Persons conducting maintenance, service, repair, or disposal of appliances must follow the prohibitions pursuant to 40 CFR 82.154.

1.24.1.8 Person performing maintenance, service, repair, or disposal of appliances must certify to the Administrator that such person has acquired certified recovery of recycling equipment pursuant to 40 CFR 82.162.

1.24.2 If the permittee manufactures, transforms, imports, or exports a class I or class II substance, the permittee is subject to all requirements as specified in 40 CFR 82, Subpart A – Production and Consumption Controls.

1.24.3 If the permittee performs a service on motor (fleet) vehicles and when this service involves ozone depleting substance refrigerant in the MVAC, the permittee is subject to all applicable requirements as specified in 40 CFR 82, Subpart B – Servicing of Motor Vehicle Air Conditioners.

1.24.4 The permittee must be allowed to switch from any ozone depleting substance to any alternative that is listed in the Significant New Alternative Program promulgated pursuant to 40 CFR 82, Subpart G – Significant New Alternative Policy Program.

[40 CFR 82], [RCW 70A.60.070], [RCW 70A.60.080]

1.25 Reasonably Available Control Technology (RACT)

Emission standards and other requirements contained in rules or regulatory orders in effect at the time of operating permit issuance or renewal must be considered RACT for the purpose of permit issuance or renewal. RACT determinations under Section 8, Chapter 252, Laws of 1993 must be incorporated into an operating permit as provided in WAC 173-401-730.

[WAC 173-401-605(3)], [RCW 70A.15.2230]

1.26 Compliance Schedules

1.26.1 The permittee must continue to comply with applicable requirements with which it is currently in compliance. The permittee must meet applicable requirements on a timely basis that become effective during the permit term.

[WAC 173-401-510(2)(h)(ii)(A)], [WAC 173-401-510(2)(h)(ii)(B)], [WAC 173-401-630(3)]

1.27 Record Keeping

1.27.1 The permittee must keep records of required monitoring information that includes, where applicable, the following:

1.27.1.1 The date, place, and time of the sampling or measurements.

1.27.1.2 The date(s) analyses were performed.

1.27.1.3 The company or entity that performed the analysis.

1.27.1.4 The analytical techniques or methods used.

1.27.1.5 The results of such analyses.

1.27.1.6 The operating conditions as existing at the time of sampling or measurement.

[WAC 173-401-615(2)(a)]

1.27.2 The permittee must keep records describing changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions

resulting from those changes.

[WAC 173-401-615(2)(b)]

1.27.3 The permittee must retain records of all required monitoring data and support information for a period of at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings from continuous monitoring instrumentation, and copies of all reports required by this permit.

[WAC 173-401-615(2)(c)]

1.27.4 All required recordkeeping must be available to Ecology in accordance with condition 1.6. All recordkeeping must be retained for a period of five years and kept in an organized, legible manner readily available for inspection by Ecology personnel.

[WAC 173-401-630(2)(b)]

1.28 General Obligation

Nothing in this permit must alter or affect the following:

1.28.1 The provisions of section 303 of the FCAA (emergency orders), including the authority of EPA under that section.

1.28.2 The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance.

1.28.3 The applicable requirements of the acid rain program, consistent with section 408(a) of the FCAA.

1.28.4 The ability of EPA to obtain information from a source pursuant to section 114 of the FCAA.

1.28.5 The ability of Ecology to establish or revise requirements for the use of reasonably available control technology (RACT) as provided in chapter 252, Laws of 1993.

[WAC 173-401-640(4)]

1.29 Permit Renewal and Expiration

This permit is issued for a fixed term of five years. The permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application (as outlined in WAC 173-401-510) is submitted at least 12 months, but no greater than 18 months prior to the date of permit expiration.

A complete renewal application is due no later than July 31, 2026.

Upon receipt of a timely and complete application for renewal, this source may continue to operate subject to final action by Ecology on the renewal application. This allowance must cease to apply if, subsequent to a completeness determination, the applicant fails to submit by the deadline specified in writing by Ecology, any additional information

identified as being needed to process the application. The application must be sent to Ecology at the address included in this permit.

[WAC 173-401-610], [173-401-710]

1.30 Demolition and Renovation (asbestos)

Prior to, during and after conducting any activity to which 40 CFR 61, Subpart M – National Emission Standard for Asbestos, applies, the permittee must comply with the requirements of that rule. Such activities include notification, demolition, renovation, asbestos stripping or removal, installing or reinstalling insulation, manufacturing of fabricating certain items, spraying of certain materials, constructing roadways of certain materials, or disposal.

[40 CFR 61, Subpart M], [WAC 173-400-075(1)]

1.31 Nonroad Engines

Prior to installation or operation of a non-road engine, as defined in WAC 173-400-030(56), the permittee must meet the requirements of WAC 173-400-035. If the nonroad engine(s) has a cumulative maximum rated brake horsepower greater than 500, a notification of intent to operate will be submitted to Ecology. If the nonroad engine(s) has a cumulative maximum rated break horsepower greater than 2,000, the permittee will not operate the engine(s) unless Ecology issues written approval to operate.

[WAC 173-400-035]

2. Applicable Requirements

Until this permit expires, is modified or revoked, this permittee is authorized to operate the air emission units and processes outlined in Sections 2.1 through 2.7. These emission units and processes are subject to the conditions included in Sections 2.1 through 2.7, Section 3, and to other terms and conditions specified in this permit. Condition numbers that are denoted with an asterisk indicate that streamlining of a less stringent requirement has taken place and is described in section 12.0 of the Statement of Basis.

The column entitled **Description** in each table contains only a summary/paraphrase of the condition, emission standard or work practice. The condition, emission standard, or work practice itself is the enforceable requirement and should be referenced for actual language.

Testing Requirements

Although there are many conditions with no ongoing testing requirements, Ecology retains the authority to conduct or require that testing be conducted at the facility with respect to these conditions per WAC 173-400-105(4). Identification of the appropriate test method is necessary to make emission limits fully enforceable. Where the underlying applicable requirement does not specify the test method, Ecology has done so in this permit.

[WAC 173-401-615(1)(a)], [WAC 173-401-630(1)], [WAC 173-400-105(4)], [Order No. DE 94AQ-E169 Second Amendment, Issued 5/17/96, Approval Conditions 2.1 and 5.2], [Order No. DE 93AQ-E111, Issued 3/19/93, Approval Conditions 7.1 and 7.2]. This MRRR includes gap filling.

2.1 Section 1, Facility Wide

This section is applicable and enforceable with respect to all emission units source wide, including those emission units in Sections 2.2 through 2.5. Monitoring, recordkeeping and reporting requirements in this section do not apply to insignificant emission units.

TABLE 2.1 Applicable and Enforceable Requirements for All Emission Units

Condition Number	Applicable Requirements	Enforceability (Federal & State = F) (State Only = S)	Description	Testing	MRRR Reference
2.1.1	WAC 173-400-040(1), (2)(a), and (2)(b) WAC 173-400-040 (2)(e)	**F**	Visible emissions must not exceed 20% opacity for more than 3 minutes in any one hour Alternative visible emission standards may be used for startup/shutdown conditions as defined in WAC 173-400-040(2)(e)	RM 9	**2M**
2.1.2	WAC 173-400-060	**F**	General process units are required to meet all applicable provisions of WAC 173-400-040 and emissions of particulate material from any operation must not exceed 0.1 grain/dscf of exhaust gas	RM 5	**2M**
2.1.3	WAC 173-400-040(3)	**S**	Particulate matter must not be deposited beyond the property in sufficient quantity to interfere unreasonably with the use and	--	**1M**

			enjoyment of other's property		
2.1.4	WAC 173-400-040(4)(a), (9)(a)	**F**	The source must perform maintenance to minimize emissions and take reasonable precautions to prevent fugitive dust from becoming airborne	--	**1M**
2.1.5	WAC 173-400-040(4)(a), (9)(a)	**F**	Fugitive dust control measures must be taken to prevent fugitive emissions	--	**1M, 2M**

2.2 Section 2, Hogged Fuel Boiler

Table 2.2 Hogged Fuel Boiler Applicable and Enforceable Requirements

Condition Number	Applicable Requirements	Enforceability (Federal & State = F) (State Only = S)	Description	Testing	MRRR Reference
2.2.1	Approval Order 17AQ-E034, Approval Condition 3.2	F	Opacity from the ESP stack must not exceed 10% (6-minute average) as measured by COMS and RM 9	RM 9	**2M, 4M**
2.2.2	Approval Order 17AQ-E034, Approval Condition 3.1 40 CFR 64.3, 64.4(c), 64.7	F	PM emissions must be ≤ 0.011 grains per dry standard cubic foot (7% O_2)	RM 5	**3M, 4M, 5M**
2.2.3	Order No. DE 78-496 3rd Amendment, Issued 01/21/05 Approval Condition 1	F	Particulate matter emissions must not exceed 50 tons annually	RM 5 RM 202	**1M, 3M, 4M, 5M**

Condition Number	Applicable Requirements	Enforceability (Federal & State = F) (State Only = S)	Description	Testing	MRRR Reference
2.2.4	WAC 173-400-040 (7)	F	SO2 ≤ 1000 ppm @ 7% O_2 (Sixty minute average)	RM 6	**1M**
2.2.5	Approval Order 17AQ-E034, Approval Condition 2.2, 7.4	F	Steam production must be limited based on the most recent emission testing, per 3M. The limit must be a daily average.	--	**3M, 4M**
2.2.6	Approval Order 17AQ-E034, Approval Condition 2.1	F	Both fields of the ESP must be on line during all times of hogged Fuel Boiler operation	--	**1M**
2.2.7	Approval Order 17AQ-E034, Approval Condition 2.6	F	Ash collected in the ESP must be conveyed via screw-drive or equivalent to a completely enclosed container – Transport of ash to final disposal location must not result in visible fugitive emissions	--	**1M, 2M**
2.2.8	WAC 173-400-070(2)(b)	F	All hogged Fuel Boilers must utilize RACT and must be operated and maintained to minimize emissions	--	**1M, 7M**
2.2.9	Approval Order 17AQ-E034, Approval Condition 5	F	O&M manual must be followed and kept updated	--	**1M, 7M**
2.2.10	Order No. DE 78-496 3rd Amendment Issued 01/21/05	F	The permittee must comply with the requirements included in the Source Emission Reduction	--	**1M**

Condition Number	Applicable Requirements	Enforceability (Federal & State = F) (State Only = S)	Description	Testing	MRRR Reference
	Approval Condition 2 WAC 173-435-040		Plan (SERP) for the mill		
2.2.11	Approval Order 17AQ-E034, Approval Condition 8.4 WAC 173-400-111(10)	F	Legible copies of Approval Order must be kept on site and available to employees in direct operation of the boiler, multiclone, and ESP and must be available for review upon request by Ecology	--	**1M**
2.2.12	Approval Order 17AQ-E034, Approval Condition 8.5, 8.6	F	The boiler and associated equipment must be operated in a manner consistent with the O&M manual and NOC application	--	**1M, 7M**
2.2.14	Approval Order 17AQ-E034, Approval Condition 8.2	F	Approval Order 17AQ-E034 becomes void if operation of the boiler and associated equipment is discontinued for 18 months	--	**1M**
2.2.15	Approval Order 17AQ-E034, Approval Condition 6, 7 40 CFR 64.7(a), 64.7(b), 64.7(c)	F	The permittee must conduct monitoring, recordkeeping and reporting and maintain the monitoring equipment specified, including but not limited to, maintaining necessary	--	**1M, 2M, 4M, 5M**

Condition Number	Applicable Requirements	Enforceability (Federal & State = F) (State Only = S)	Description	Testing	MRRR Reference
			parts for routine repairs of the equipment		
2.2.16	40 CFR 63 JJJJJJ Table 2(6) §63.11223(b)	--	Conduct biennial tune-ups every 2 years that must be conducted no more than 25 months after the previous tune-up.	--	**1M, 6M**

2.3 Section 3, Lumber Drying Kilns No. 1 through 5

The Lumber Drying Kilns No. 1 through 5 and all sources of air emissions associated with the process are subject to those conditions, emission standards, and work practices included in Section 1. "Standard Conditions", Section 2.1 "Section 1 Facility Wide" and the associated Monitoring Recordkeeping and Reporting Requirements in Section 3.

2.4 Section 4, Lumber Drying Kiln No. 6

TABLE 2.4 Applicable and Enforceable Requirements for Lumber Drying Kiln Six

Condition Number	Applicable Requirements	Enforceability (Federal & State = F) (State Only = S)	Description	Testing	MRRR Reference
2.4.1	Order No. DE 94AQ-E169 2nd Amendment Approval Condition 2.1 Issued 05/17/96	F	Opacity from dry kiln exhaust must not exceed 10% opacity over a six minute interval	RM 9	**2M**
2.4.2	Order No. DE 94AQ-E169 2nd Amendment Approval Condition 2.1 Issued 05/17/96	F	Particulate emissions from the dry kiln must not be visible beyond the property line	RM 9 RM 22	**1M**

Condition Number	Applicable Requirements	Enforceability (Federal & State = F) (State Only = S)	Description	Testing	MRRR Reference
2.4.3	Order No. DE 94AQ-E169 2nd Amendment Issued 05/17/96 Approval Conditions 1 and 6.9	F	Total dry kiln production must not exceed 88,499,000 board feet of lumber per year	--	**8M**
2.4.4	Order No. DE 94AQ-E169 2nd Amendment Issued 05/17/96 Approval Condition 6.1	F	No heating energy source other than steam heat must be used with dry kiln No. 6	--	**1M**
2.4.5	Order No. DE 94AQ-E169 2nd Amendment Issued 05/17/96 Section 3. BACT and Section 4. T-BACT	F	Automatic energy management of temperature and relative humidity must be used during operation of dry kiln No. 6	--	**1M**
2.4.6	Order No. DE 94AQ-E169 2nd Amendment Issued 05/17/96 Approval Condition 6.6	F	Copies of the Approval Order and O&M Manual must be in the working vicinity and available to operators of the dry kiln	--	**1M**
2.4.7	Order No. DE 94AQ-E169, 2nd Amendment Issued 05/17/96 Approval Condition 4	F	O&M manual must be kept updated	--	**9M**

Condition Number	Applicable Requirements	Enforceability (Federal & State = F) (State Only = S)	Description	Testing	MRRR Reference
2.4.8	Order No. DE 94AQ-E169, 2nd Amendment Issued 05/17/96 Approval Condition 6.7	F	The dry kiln and associated equipment must be operated in a manner consistent with the O&M manual and NOC application	--	**1M**
2.4.9	Order No. DE 94AQ-E169 2nd Amendment Approval Condition 6.3 Issued 05/17/96	F	Order No. DE 94AQ-E169 becomes void if operation is discontinued for 18 months	--	**1M**

2.5 Section 5, Planer No. 1 Baghouse

TABLE 2.5 Applicable and Enforceable Requirements Planer No. 1 Baghouse

Condition Number	Applicable Requirements	Enforceability (Federal & State = F) (State Only = S)	Description	Testing	MRRR Reference
2.5.1	Order No. DE 93AQ-E111, Issued 03/19/93 Approval Condition 2.3	F	Opacity from the Planer No.1 Baghouse exhaust must be ≤ 10%, averaged over a six minute period	RM 9	**2M**
2.5.2	Order No. DE 93AQ-E111 Issued 03/19/93 Approval Condition 8.1	F	No visible emissions from the Planer No.1 Baghouse must be allowed beyond the property line	RM 9, RM 22	**1M**

Condition Number	Applicable Requirements	Enforceability (Federal & State = F) (State Only = S)	Description	Testing	MRRR Reference
2.5.3	Order No. DE 93AQ-E111 Issued 03/19/93 Approval Condition 2.1	F	Particulate Matter emissions from the Planer No. 1 Baghouse exhaust must be < 0.01 gr/dscf exhaust gas and < 1.2 lb/hr	RM 5 RM 202	**2M**
2.5.4	Order No. DE 93AQ-E111, Issued 03/19/93 Approval Conditions 1 and 5	F	Material collected by Planer No. 1 shaving and dust collection system must be ≤ 25,000 tons per year	**--**	**10M**
2.5.5	Order No. DE 93AQ-E111, Issued 03/19/93 Approval Condition 1	F	Any modification to the Planer No. 1 Baghouse or its operating procedures must be reported to Ecology	--	**1M**
2.5.6	Order No. DE 93AQ-E111, Issued 03/19/93 Approval Condition 6	F	O&M manual must be followed and kept updated to reflect any modifications	--	**11M**
2.5.7	Order No. DE 93AQ-E111, Issued 03/19/93 Approval Condition 3	F	Operation of Planer No. 1 dust processing without the baghouse operating must be prevented by electrical interlocks or an administrative requirement in O&M manual	--	**1M**

Condition Number	Applicable Requirements	Enforceability (Federal & State = F) (State Only = S)	Description	Testing	MRRR Reference
2.5.8	Order No. DE 93AQ-E111, Issued 03/19/93 Approval Condition 8.2	F	The material collected by the Planer No. 1 Baghouse must be processed or controlled to minimize emissions	--	**1M, 11M**
2.5.9	Order No. DE 93AQ-E111, Issued 03/19/93 Approval Condition 8.4	F	Order No. DE 93AQ-E111 becomes void if operation is discontinued for 18 months	--	**1M**
2.5.10	Order No. DE 93AQ-E111, Issued 03/19/93 Approval Condition 8.7	F	Approval Order and O&M manual shall be in the working vicinity and available to employees in direct operation of the baghouse	--	**1M**
2.5.11	Order No. DE 93AQ-E111, Issued 03/19/93 Approval Condition 8.8	F	Operation of equipment shall be conducted in a manner consistent with information included in NOC application and O&M Manual	--	**1M, 11M**

2.6 Section 6, Wood Residuals Collection and Transport System

The Wood Residuals Collection & Transport System processes not incorporated into Approval Orders 17AQ-E034, 93AQ-E111, and 10AQ-E389 are subject to those conditions, emission standards, and work practices included in Section 1. “Standard Conditions”, Section 2.1 “Section No. 1 Facility Wide Requirements” and the associated Monitoring Recordkeeping and Reporting Requirements in Section 3.

2.7 Section 7, Cyclone C4 and Cyclone C5

TABLE 2.7 Applicable and Enforceable Requirements for Cyclone C4 and C5

Condition Number	Applicable Requirements	Enforceability (Federal & State = F) (State Only = S)	Description	Testing	MRRR Reference
2.7.1	Order No. 10AQ-E389, Issued 02/25/11 Approval Condition 2.1	F	Opacity from each cyclone exhaust must be ≤ 10%, averaged over a six minute period	RM 9	**2M**
2.7.2	Order No. 10AQ-E389, Issued 02/25/11 Approval Condition 5.3	F	No visible emissions from the cyclones must be allowed beyond the property line	RM 9 RM 22	**1M**
2.7.3	Order No. 10AQ-E389, Issued 02/25/11 Approval Condition 2.2	F	Particulate Matter emissions from each cyclone exhaust must be ≤ 0.02 gr/dscf	RM 5 RM 202	**2M**
2.7.4	Order No. 10AQ-E389, Issued 02/25/11 Approval Condition 5.2	F	Material collected by the cyclones must be routed through enclosed catch system.	--	**1M**
2.7.5	Order No. 10AQ-E389, Issued 02/25/11 Approval Condition 5.2	F	No visible emissions are allowed from the cyclone catch system.	RM 9 RM 22	**1M**
2.7.6	Order No. 10AQ-E389, Issued 02/25/11 Approval Condition 1.2	F	Any modification to cyclone C4 or C5 or their operating procedures must be reported to Ecology	--	**1M**

Condition Number	Applicable Requirements	Enforceability (Federal & State = F) (State Only = S)	Description	Testing	MRRR Reference
2.7.7	Order No. 10AQ-E389, Issued 02/25/11 Approval Condition 5.1	F	Cyclones C4 and C5 must be used whenever the associated equipment is in operation	--	**1M**
2.7.8	Order No. 10AQ-E389, Issued 02/25/11 Approval Condition 5.7, 5.8	F	Operation of equipment must be conducted in a manner consistent with information included in NOC application and O&M Manual	--	**1M**
2.7.9	Order No. 10AQ-E389, Issued 02/25/11 Approval Condition 3.2	F	O&M Manual and Maintenance Records must be readily accessible and available to Ecology upon request.	--	**1M**
2.7.10	Order No. 10AQ-E389, Issued 02/25/11 Approval Condition 5.6	F	Legible copies of the Order must be available to employees in direct operation of cyclones and available for review upon request by Ecology	--	**1M**
2.7.11	Order No. 10AQ-E389, Issued 02/25/11 Approval Condition 5.4	F	Order No. 10AQ-E389 becomes void if operation is discontinued for 18 months	--	**1M**

3. Monitoring, Recordkeeping, and Reporting Requirements (MRRR)

[WAC 173-401-630(1)], [WAC 173-401-615(1)(a), (b)].

General

1M. The permittee must conduct the following general facility monitoring, recordkeeping and reporting.

1) On an ongoing basis, the permittee must address and respond to all complaints received (written, via phone, in person, etc.) within three working days of the complaint. The permittee must retain records documenting each complaint, including; a direct record of the complaint, summary information on any associated deviation(s) per condition 1.13.1, and a discussion of any corrective action taken and results of such action. Ecology must be notified of each complaint received within three business days of the complaint.

2) On a monthly basis, the permittee must perform walk-around surveys for the purpose of determining the presence of visible emissions throughout the facility site. The surveys must be conducted while the facility is in operation and must include observation for any visible emissions, including fugitive emissions, regardless of the source. The permittee must retain records documenting each survey, including; date, time, employee name, weather at the time, an indication of whether any visible emissions were observed, a description of the cause of the visible emissions, the corrective action taken, and the results of such action.

3) The following actions must be taken annually:

a) The permittee must review actual facility operations to evaluate compliance with each permit requirement. The permittee must retain records documenting each review, including; date, reviewer name, documents reviewed, permit conditions evaluated, summary information on any deviations identified, and date and time corrective actions were initiated and completed if appropriate.

b) During the first calendar year (or portion thereof) for which compliance is certified under this renewal AOP, the permittee must perform a complete review of the O&M manuals, permit application materials (NOC, PSD, etc.), and all other relevant documents for the purpose of evaluating compliance with each permit condition referenced. The focus of this review must be to verify that plant operations are being conducted in accordance with the documents listed above and with good air pollution control practices in mind at the time of the initial review. Subsequently, the permittee must conduct annual reviews of plant operations to verify that any changes made since the initial review have not resulted in operations which are inconsistent with the documents cited above or with good air pollution control practices. The permittee must retain records documenting each review, including; date, reviewer name, documents reviewed, permit conditions evaluated, summary information on any deviations identified,

and date and time corrective actions were initiated and completed if appropriate.

c) The pollutant emission rate or concentration must be calculated based on appropriate monitoring data and emission factor(s). The emission factor used must be determined based on the hierarchy included in section 13.12 of the SOB. Calculations must be adjusted for percent oxygen as required by the applicable requirement and must indicate pollutant emission rate and concentration in the same units as the limit(s) specified in the applicable requirement(s). Each calculation must be submitted to Ecology as part of the emission inventory, per condition 1.13.4. The submittal must specify the value, units, and source of the emission factor that is being used, justify the emission factor chosen based on the SOB hierarchy, clearly identify all operating parameters used in the calculation method, and include an example calculation.

[WAC 173-401-615(1)(b)], [WAC 173-401-630(1)] [Approval Order 17AQ-E034, Issued 09/20/2017, Approval Conditions 1, 4, 6, 7, 8]. This MRRR includes gap filling.

2M. The permittee must conduct monitoring in accordance with the following.

1) At least once per month the permittee must perform surveys for the purpose of observing all emission units that are sources of potential visible and/or PM emissions to which standards apply facility-wide as well as those emission units and activities for which this MRRR is specified in the "MRRR Reference" column in the above tables. The survey must also be conducted as necessary when excess visible emission events are observed by facility personnel and reported to personnel responsible for environmental compliance. Facility personnel in general must be made aware of their responsibility to report excess emission events. Insignificant emissions units are not subject to this MRRR requirement.

Each survey must be performed as follows:

a) The survey must be conducted from a location with a clear view of the emission point and where the sun is as close as possible to being directly behind the observer. The observer's location must be at least 15 feet but not more than ¼ mile from the source.

b) The survey must be conducted while the relevant emission unit as well as the associated facility process is in normal operation.

c) The observer will be educated in the general procedures for determining the presence of visible emissions (i.e. effects on the visibility of emissions caused by background contrast, position of the sun and amount of ambient lighting, observer position relative to source and sun, and the presence of uncombined water).

d) The survey must consist of a minimum of four consecutive visual observations of each stack, emission point, or property line to identify whether the emission point under observation exhibits visible emissions.

The observer must look away from the emission point under observation between each observation in order to rest their eyes.

e) The permittee must develop a standard form to be used for the visible emissions surveys described above. A copy of the developed form must be provided to Ecology.

2) Upon completion of the visual survey, the permittee's corrective actions must be governed by the following:

a) If visible emissions are observed to be zero, no corrective action is required.

b) If visible emissions are observed, the following actions must be taken, as described below:

i) As soon as possible, but no later than 24 hours after visible emissions are observed, the permittee must verify that all equipment which may affect emissions is performing its normal, designed function and being operated according to standard procedures. If any equipment is not performing as described, corrective action must be initiated within 24 hours after the original observation of visible emissions. The corrective action taken must return the equipment to normal operation as soon as possible and be designed to prevent the likely recurrence of the cause of the deviation.

a. If the corrective action taken results in a return to conditions under which visible emissions are not observable via the method outlined in 1) above within the 24 hour window after visible emissions were originally observed, no further corrective action is required.

b. If, after corrective action is taken, visible emissions are still observed, or if the necessary corrective action requires a period of time beyond the 24 hour window, the permittee must perform ii):

ii) The permittee must perform, or have performed, RM 9 on the source of the emissions. The RM 9 test must be conducted only by personnel certified to perform RM 9 in accordance with EPA guidelines. The test must occur as soon as possible, but no later than 48 hours after the original observation of visible emissions.

a. If the visible emissions as determined by RM 9 do not exceed the applicable standard, no further corrective action is required.

b. If a violation of any applicable opacity standard is documented, the permittee must perform iii):

iii) If a violation of any applicable opacity standard is documented, appropriate and timely action must be initiated (as soon as possible, but no later than 24 hours after discovery of the violation via RM 9

test) to identify and correct the problem causing the opacity. The corrective action taken must return the equipment to normal operation and compliance with permit requirements as soon as possible and be designed to prevent the likely recurrence of the cause of the violation. Once corrective action has been taken to solve the problem, the permittee must perform, or have performed, RM 9 on the source of emissions in order to demonstrate re-establishment of normal operation. Taking corrective action does not relieve the permittee from complying with the underlying condition, emission standard or work practice, nor does it relieve the permittee from the obligation to report any permit deviations as required in condition 1.13.1.

3) Alternative visible emission standards for a hog fuel or wood-fired boiler in operation before January 24, 2018. For emissions that occur due to planned startup or shutdown of a hog fuel or wood-fired boiler with dry particulate matter controls, an owner of operator may use the alternative standard in this subsection when all of the following requirements are met.

a) A planned startup or shutdown means that the owner or operator notifies the permitting authority:

i) At least 24 hours prior to the planned boiler startup or shutdown.

ii) Within two hours after restarting the boiler for a startup within twenty-four hours after the end of an unplanned shutdown (i.e. malfunction or upset).

b) Startup begins when fuel is ignited in the boiler fire box.

c) Startup ends:

i) When the boiler starts supplying useful thermal energy; or

ii) Four hours after the boiler starts supplying useful thermal energy, or when no fuel is being fed into the boiler or process heater, whichever is earlier.

d) Shutdown begins when the boiler no longer supplies useful thermal energy and no fuel is being fed to the boiler or process heater, whichever is earlier.

e) Shutdown ends when the boiler or process heater no longer supplies useful thermal energy and no fuel is being combusted in the boiler.

f) The facility complies with one of the following requirements:

i) Visible emissions during startup or shutdown must not exceed forty percent opacity for more than three minutes in any hour, as determined by Ecology Method 9A; or

ii) During startup or shutdown, the owner or operator must:

a. Operate all continuous monitoring systems;

b. In the boiler, use only clean fuel identified in 5.b. in Table 3 in 40 CFR Part 63, Subpart DDDDD;

c. Engage all applicable control devices so as to comply with the 20 percent opacity standard within four hours of the start of supplying useful thermal energy;

d. Engage and operate particulate control within one hour of first feeding fuels that are not clean fuels; and

e. Develop and implement a written startup and shutdown plan. The plan must minimize the startup period according to the manufacturer's recommended procedure. In the absence of manufacturer's recommendation, the owner or operator must use the recommended startup procedure for a unit of a similar design. The plan must be maintained on-site and available upon request for public inspection.

f. The facility maintains records sufficient to demonstrate compliance with this Alternative visible emission standard and these records must include the following:

i. The date and time of notification of the permitting authority.

ii. The date and time when startup and shutdown began.

iii. The date and time when startup and shutdown ended.

iv. The compliance option described here in 2M.4.a.i or ii.

4) The permittee must conduct recordkeeping in accordance with the following.

a) The permittee must maintain records of all RM 9 tests performed for a period of five years. This recordkeeping requirement must be satisfied by keeping the original RM 9 test form.

b) The permittee must maintain a list of site personnel who have been educated as described in 1) c) above, as well as a list of site personnel who are currently certified to perform RM 9.

c) Recordkeeping with regard to each deviation must include the following:

i) Time, date, and duration of the deviation.

ii) Cause of the deviation.

iii) Estimate of excess emissions and magnitude of deviation.

iv) Corrective action taken, and the results of such action.

5) The permittee must conduct reporting in accordance with the following.

a) Copies of all RM 9 test forms, which either document a deviation or re-establishment of normal operation following a deviation must be submitted to Ecology as part of the monthly deviation reports as required

by condition 1.13.1. In addition to the RM 9 form, reporting must also include copies of the visible emission observation form(s) as well as the information required under recordkeeping under 3) c) above. The permittee is not required to submit RM 9 forms for tests conducted under 2) b) ii) above, which do not document a deviation or violation.

[WAC 173-401-615(1)(b), & (3)], [WAC 173-401-630(1)]. This MRRR includes gap filling.

Hogged Fuel Boiler

3M. Periodic performance testing must be conducted every five years. The five year cycle must be measured from the most recent source testing. The following conditions must apply to all testing:

1) Particulate matter must be reported for front half (RM 5) and back half (RM 202). Particulate matter emissions must be reported in grains per dry standard cubic foot of exhaust gas (gr/dscf) as well as pounds per hour (lb/hr).

2) Testing must be conducted for all pollutants of concern as determined by Ecology. The appropriate EPA reference method must be used for testing of each pollutant. Pollutant emission rates for NOX, SO2, CO, and HC/VOC must be reported in terms consistent with the applicable requirement or as specified by Ecology.

3) The testing must consist of at least three runs. One run must include grate cleaning and two runs must reflect normal boiler operations. The results from these three runs will be used to calculate a time weighted average emission rate for comparison with the emission limit in condition 2.2.2 of this AOP.

4) If possible, testing must occur with the boiler operating at a minimum of 90 percent of the boiler maximum steam production rate. The maximum allowable steam production rate per condition 2.2.5 must be determined based on each test using the following method. The maximum steam rate must be obtained by determining the average steam production rate during the test and dividing this number by 0.90. This maximum steam rate must apply until another emission test is conducted.

5) The boiler must be operated and controlled by the normal shift boiler operator during testing. Any person other than the boiler operator or other appropriate facility personnel, including any consultant, boiler representative or tester, directing the operation of the boiler in any way during the testing period will immediately invalidate the testing for the purposes of Ecology's evaluation. No controls or monitors other than those permanently installed and utilized during the normal course of operation will be used to direct the operation of the boiler during the testing period.

6) During testing, boiler, multiclone, and ESP operating parameters must be recorded on 15 minute intervals. Data collected must be submitted as part of the test report. The parameters recorded must at a minimum include boiler steam production rate (lb/hr), multiclone pressure drop (in. w.c.), ESP inlet and outlet temperature (°F or °C), ESP primary and secondary voltage and current for each

T/R set (kV and mA), and ESP spark rate (sparks/time period).

7) During testing, opacity must be measured at least once during each test run by certified personnel using EPA Method 9. Separate RM 9 forms must be completed for each test run, and copies must be included in the test report.

8) An independent testing firm must conduct the testing and must submit a test plan for Ecology approval at least thirty days prior to the source testing.

9) The permittee must notify Ecology of the date of the source testing at least 30 days prior to the date of testing. The permittee must notify Ecology as soon as possible if any planned source testing is cancelled or rescheduled.

10) The test report must be sent to Ecology within 60 days after the testing.

11) Alternate methods of testing and alternate testing requirements may be proposed by the permittee in writing to Ecology. Permission for use of alternate forms of testing must be approved in writing by Ecology.

[WAC 173-401-615(1)(a), & (2)], [WAC 173-401-630(1)], Approval Order 17AQ-E034, Issued 09/20/2017, Approval Condition 1, 4, 7]. This MRRR includes gap filling.

4M. The following conditions must apply to the monitoring, recordkeeping, and reporting required for the hogged Fuel Boiler.

1) Monitoring must be conducted as specified by the following conditions. All equipment must be maintained in good operating condition. Monitors must include display of the monitored parameter in an easily accessible location. Each display must be labeled as to the parameter measured and the units of measurement

a) The following parameters must be monitored:

i) Multiclone differential pressure in inches of water column (in. w.c.).

ii) Boiler steam production rate in pounds per hour (lbs/hr).

iii) ESP inlet and outlet temperature in degrees Fahrenheit or Celsius (°F, °C).

iv) ESP primary and secondary voltage and current on each of the two Transformer/Rectifier (T/R) sets in kilovolts (kV) and milliamps (mA). The voltage and current must be read at the highest stable value.

v) ESP spark rate in sparks per time period.

b) A Continuous Opacity Monitoring System (COMS) which meets the approval requirements of 40 CFR 60, Appendix B, “Performance Specification 1 (PS-1)”, is installed and must be maintained and operated at all times of boiler operation. The COMS must be operated using quality assurance procedures conforming to EPA 340/1-86-010, Recommended Quality Assurance Procedures of Opacity CEMS. Display of opacity data from the COMS must include the instantaneous and current six minute block average opacity. The permittee must have a Quality Assurance (QA) Plan for the COMS outlining the quality assurance procedures to be used

for the installed COMS. The QA Plan must specify the frequency at which each quality assurance procedure will be performed. Alternative monitoring required in the event of COMS failure must be performance of the visible emission monitoring described in 2M at least once per day that the boiler is operated.

2) The following recordkeeping specific to the hogged Fuel Boiler must be retained for a period of five years and kept in an organized, legible manner readily available for inspection by Ecology personnel.

a) The following parameters, recorded at least once every eight hour shift; boiler steam production rate (lbs/hr), multiclone pressure drop (in. w.c.), ESP inlet and outlet temperature (°F or °C), ESP primary and secondary voltage and current on each T/R set (kV and mA), and ESP spark rate (sparks/time period).

b) Opacity data recordkeeping from the COMS must at a minimum include a chart recorder and records of each six minute block average opacity.

c) Steam production records.

d) Boiler hours of operation.

e) A log must be maintained to record operating problems and maintenance performed on the air pollution control and monitoring equipment.

f) Regular maintenance records for the boiler and associated equipment.

g) Records of all maintenance and repair activities performed on the ESP.

h) An updated copy of the COMS QA Plan.

i) Records of all quality assurance procedures performed over the most recent five years.

j) Copies of all reports from emission testing conducted on the boiler, whether or not the testing was required by Ecology, including copies of all RM 9 visible emissions tests conducted.

3) Reporting specific to the hogged Fuel Boiler must be conducted in accordance with the following.

a) Annual reporting must include total annual steam production (lbs), total annual hours of boiler operation, and peak steam production rate recorded (lbs/hr, daily average). This information may be submitted as part of the annual emission inventory, per condition 1.13.4.

b) Prompt reporting of deviations as required under condition 1.13.1.

c) Any modification to the ESP or its operating procedures, contrary to information in the NOC application, must be reported at least 60 days prior to such modification.

[Order No. DE 78-496 Third Amendment, Issued 01/21/05, Approval Condition 1] [WAC 173-401-630(1), 03/15/16], [Approval Order 17AQ-E034, Issued 09/20/2017, Approval **Conditions 2, 6, 7, 8]. This MRRR includes gap filling.**

5M. The following must function as Compliance Assurance Monitoring for the hogged Fuel Boiler.

1) The permittee must conduct monitoring in accordance with the following.

a) Equipment must be provided that monitors and displays electrostatic precipitator secondary voltage (kV) for both transformer/rectifier sets (T/R 1 and T/R 2) as well as differential pressure (in. w.c.) across the multiclone.

b) At least once per day, the permittee must evaluate the data obtained through recordkeeping as described in 2) a) and 2) b) below, answer the following questions and take the actions specified:

i) Has the daily average ESP secondary voltage been below either of the following trigger limits for two consecutive days?

a. For T/R 1, the trigger limit must be 20 kV.

b. For T/R 2, the trigger limit must be 30 kV.

ii) Is the two-day average multiclone differential pressure outside the range 0.5” – 4.0” w.c.?

c) If the answer to both of the questions posed under 1) b) above is “no”, corrective action is not required under CAM.

d) If the answer to the question posed by 1) b) i) above is “yes”, the permittee must as soon as possible, but in no case later than four hours after discovery of the deviation, initiate corrective actions designed to return the air pollution control equipment to normal operation and to prevent the likely recurrence of the cause of the deviation. A list of corrective actions to be considered must be included in the O&M manual and must include system shutdown followed by inspection and repair.

e) If the answer to the question posed by 1) b) ii) above is “yes”, actions consistent with the following must be taken.

i) The multiclone must be internally inspected during the next scheduled plant shutdown, and corrective actions must be taken as necessary to return the equipment to normal operation.

2) The permittee must conduct recordkeeping in accordance with the following.

a) At least once every eight hours, the permittee must record the values for ESP secondary voltage for both T/R 1 and T/R 2 and multiclone differential pressure as displayed on the equipment provided. In recording ESP secondary voltage, the highest stable value observed over a short time period should be recorded. The purpose of this is to avoid recording the voltage immediately after the ESP sparks.

b) At least once per day, the daily average of the secondary voltage for each of the T/R sets and the differential pressure across the multiclone must be calculated by computing the mean of the three recorded values.

c) In the event that actions as outlined in either 1) d) or 1) e) are required, the permittee must maintain records documenting the action taken, and the results of such action. The records must be retained in a well-organized manner and easily accessible for inspection by Ecology personnel.

3) The permittee must conduct reporting in accordance with the following.

a) In the event that corrective action as outlined under 1) d) above is required, the permittee must submit a report as part of, or attached to, the monthly deviation report as described in condition 1.13.1. In the event that corrective action as outlined under 1) e) is required, the permittee must notify Ecology within the next monthly deviation report of the next expected plant shutdown date, and must submit a report following shutdown outlining the corrective actions taken regarding multiclone differential pressure.

b) Upon discovery that the monitoring as designed is insufficient to provide indications of all deviations, the permittee must notify Ecology of the monitoring deficiency within the next semi-annual monitoring report.

4) Monitoring, recordkeeping and reporting as required under CAM must be subject to the following general conditions:

a) The owner or operator must conduct all monitoring in continuous operation (or must collect data at all required intervals) at all times that the pollutant-specific emission unit is operating, with the following qualifications:

i) Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities must not be used for purposes of CAM, including data averages and calculations, or fulfilling a minimum data availability requirement.

ii) The owner or operator must use all data collected during all other periods in assessing the operation of the control device and associated control system.

iii) "Monitoring malfunction" is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.

b) Semi-annual CAM monitoring reports must include the following:

i) Summary information on the number, duration, and cause (including unknown cause, if applicable) of deviations or violations, as applicable, and the corrective actions taken,

ii) Summary information on the number, duration, and cause (including unknown cause, if applicable) for monitoring downtime incidents (other than downtime associated with zero and span or other daily calibration checks), and

iii) A description of any actions taken during the reporting period to implement any QIP's in effect.

c) The following conditions must apply to all CAM recordkeeping:

i) The owner or operator must maintain records of monitoring data, monitor performance data, corrective actions taken, any written quality improvement plan(s) required as well as any activities undertaken to implement a quality improvement plan, and any other supporting information required to be maintained under CAM (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions).

ii) Instead of paper records, the owner or operator may maintain records on alternative media, such as microfilm, computer files, magnetic tape disks, or microfiche, provided that the use of such alternative media allows for expeditious inspection and review, and does not conflict with other applicable recordkeeping requirements.

[40 CFR 64.3, §64.4(d), §64.7(a), (b), (c), (d), (e), §64.8, §64.9(a), (b)]

6M. Hogged Fuel Boiler tune-ups must be conducted on at least a biennial basis. Subsequent biennial tune-ups must be conducted no more than 25 months after the previous tune-up. If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 days of startup. Tune-up must be conducted per 40 CFR 63.11223(b).

1) The Permittee must prepare, by March 1, of each biennial period and maintain onsite, (and submit if requested by Ecology or EPA), a biennial tuning and compliance certification report containing:

a) Company name and address

b) Statement by the responsible official, with official's name, title, phone number, email address, and signature, certifying the truth, accuracy and completeness of the notification and a statement of whether the source has complied with all the relevant standards and other requirements of this subpart.

c) The report must include the following certification(s) of compliance, as applicable, and be signed by the responsible official.

d) "This facility complies with the requirements in §63.11223 to conduct a biennial tune-up."

e) "No secondary materials that are solid waste were combusted in the affected unit."

f) The concentrations of CO in the effluent stream in parts per million, by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler.

g) A description of any corrective actions taken as part of the tune-up of the boiler.

h) The type and amount of fuel used over the 12 months prior to the tune-up, but only if the unit was physically and legally capable of using more than one type of fuel during that period.

2) The permittee must also maintain:

a) Tune-up records identifying each boiler, the date of tune-up, the procedures followed for tune-up, and the manufactured specifications to which the boiler was tuned.

b) Records of the occurrence and duration of each malfunction of the boiler, or of the associated air pollution control and monitoring equipment.

c) Records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in 40 CFR §63.11205(a), including corrective actions to restore malfunctioning boiler, air pollution control, or monitoring equipment to its normal or usual manner of operation.

[40 CFR §63.11210(i)(1); §63.11201(b); §63.11223(a); §63.11223 (b); §63.11225(b); §63.11225(c); §63.11214(b)]

7M. The permittee must create, follow, and maintain a site-specific O&M manual for the ESP. The O&M manual must be maintained in an up-to-date manner, well organized, and easily accessible for inspection by Ecology personnel. The manual for the ESP must be completed within 180 days after startup of the boiler following installation of the ESP. Manufacturer's instructions may be referenced. Emissions that result from failure to follow the requirements of the O&M manual or manufacturer's instructions may be considered proof that the equipment was not properly operated and maintained. The O&M manual must at a minimum include:

1) A list and description of all operating parameters which are monitored on the ESP. The manual must include an acceptable operating range for each parameter. This acceptable range must be based on manufacturer recommendations and site specific source testing results. The O&M manual must include baseline values for each operating parameter as collected during the initial, and each subsequent emission test.

2) A description of the purpose, function and location of each instrument utilized to measure the ESP operating parameters.

3) A schedule of the maintenance activities to be performed on the ESP.

4) A general process flow diagram of the boiler and associated emission control system. The diagram should include the following minimum information: boiler, multiclone, pre-heater, ESP, COMS, fans, temperature and pressure gauges.

[WAC 173-401-615(1)(b), (c)], [Approval Order 17AQ-E034, Issued 09/20/2017, Approval Conditions 5, 8.5]. This MRRR includes gap filling.

Lumber Drying Kilns

8M. The following conditions must apply to the recordkeeping and reporting required for the lumber drying kilns;

1) Lumber drying kilns records must be retained including the following information. The information must be retained for five years and kept in a legible and readily accessible manner for inspection by Ecology personnel in accordance with condition 1.6 Inspection and Entry.

a) Dry kiln production records (overall total board feet).

b) Dry kiln production by tree species.

c) Organized O&M instructions and maintenance records.

2) Reporting specific to the lumber drying kilns must be conducted in accordance with the following.

a) Annual total dry kiln production and production speciation must be submitted. This information may be submitted as part of the annual emission inventory, per condition 1.13.4.

[Order No. DE 94AQ-E169 Second Amendment, Issued 05/17/96, Approval Conditions 1 and 4], [WAC 173-401-630(1)]. This MRRR includes gap filling.

9M. The permittee must maintain and follow an O&M manual for dry kiln No. 6. The O&M manual must be maintained in an up-to-date manner, well organized, and easily accessible for inspection by Ecology personnel. Emissions that result from failure to follow the requirements of the O&M manuals or manufacturer's instructions may be considered proof that the equipment was not properly operated, maintained, and tested. The following minimum information must be included in the manual.

1) Normal operating parameters for the dry kiln.

2) A maintenance schedule for the dry kiln.

3) Monitoring and recordkeeping requirements for the dry kiln.

4) A description of the monitoring procedures for the dry kiln.

[Order No. DE 94AQ-E169 Second Amendment, Issued 05/17/96, Approval Condition 4]

Planer Baghouse

10M. The following conditions must apply to the monitoring, recordkeeping and reporting required for the planer baghouse:

1) Baghouse monitoring must include the following:

a) Pressure gages/sensors that indicate the pressure at the baghouse inlet as well as the baghouse outlet.

b) A pressure gage on the reverse air cleaning mechanism.

c) On an annual basis, the total weight of material collected by planer No. 1 shaving and dust collection system must be calculated using the following method. The total annual planer shavings (Bone Dry Tons) must be multiplied by the factor Planer No. 1 production/Total planer production. This number will represent the material collected by baghouse No. 1 and cyclone No. 1.

2) Baghouse records must be retained including the following information. The information must be retained for five years and kept in a legible and readily accessible manner for inspection by Ecology personnel in accordance with condition 1.6 Inspection and Entry.

a) Total planer throughput (board feet).

b) Planer No. 1 throughput (board feet).

c) Total annual planer shavings (Bone Dry Tons).

d) Regular maintenance records.

3) Reporting specific to the baghouse must be conducted in accordance with the following.

a) Total weight of material collected by baghouse No. 1 and cyclone No. 1 as calculated under 1), c) above must be submitted annually. This information may be submitted as part of the annual emission inventory, per condition 1.13.4.

b) Any deviations must be reported to Ecology within the next working day and must be summarized within each semi-annual monitoring report, per condition 1.13.2.

[Order No. DE 93AQ-E111, Issued 03/19/93, Approval Conditions 3, 5, 6], [WAC 173-401-615(1)(b)], [WAC 173-401-630(1)] This MRRR includes gap filling.

11M. The permittee must maintain and follow an O&M manual for the planer baghouse. The O&M manual must be maintained in an up-to-date manner, well organized, and easily accessible for inspection by Ecology personnel. Emissions that result from failure to follow the requirements of the O&M manuals or manufacturers' instructions may be considered proof that the equipment was not properly operated, maintained, and tested. Maintenance must be scheduled around normal operations. The following minimum information must be included in the manual:

1) Normal operating parameters for the baghouse,

2) A maintenance schedule for the baghouse,

3) Monitoring and recordkeeping requirements for the baghouse,

4) A description of all monitoring procedures and instrumentation for the

baghouse.

[Order No. DE 93AQ-E111, Issued 03/19/93, Approval Condition 3, 6, 6.1, 6.2, 6.3, 6.4, and 6.5], [WAC 173-401-630(1)]. This MRRR includes gap filling.

4. Inapplicable Requirements

Ecology has determined that the entire source, including all emission units, is not subject to the following requirements at the time of permit issuance. Some of the requirements listed below may become applicable during the permit term due to an invoking event, even though the requirement is deemed inapplicable at the time of permit issuance. Such requirements must therefore be met on a timely basis by the permittee through submittal of a compliance schedule, per WAC 173-401-510(2)(h)(ii)(B).

Inapplicable Requirements	**Requirement Description**	**Explanation**
40 CFR 61	National Emission Standards for Hazardous Air Pollutants	The facility is not a stationary source for which a standard is prescribed
40 CFR 63, Subpart DDDDD	National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process heaters.	The permittee does not operate a major source of hazardous air pollutants.
40 CFR 68	Chemical Accident Prevention Provisions	The facility does not have more than the threshold quantity of any regulated substance.

APPENDIX A: Federal and State Regulation Date Reference List

WAC	F	S	**CFR**	F	**RCW**	S
425	X	3/13/2000	52.33	7/1/2021	70A.15.1070	2022
441	X	3/12/2022	60.11	7/1/2021	70A.15.2210	2022
460	X	5/20/2009	60.12	7/1/2021	70A.15.2220	2022
400-030	X	9/16/2018	60.332	7/1/2021	70A.15.2230	2022
400-035	X	9/16/2018	60.334	7/1/2021	70A.15.2260	2022
400-040	10/6/2016	9/16/2018	60.335	7/1/2021	70A.15.2270	2022
400-050	10/6/2016	9/16/2018	60.4	7/1/2021	70A.15.2500	2022
400-060	10/6/2016	11/25/2018	60.43	7/1/2021	70A.15.2510	2022
400-070	10/6/2016	9/16/2018	60.46	7/1/2021	70A.15.2530	2022
400-075	X	7/1/2016	60.48	7/1/2021	70A.15.9004	2022
400-091	10/3/2014	4/1/2011	60.49	7/1/2021	70A.15.3500	2022
400-105	10/6/2016	11/25/2018	60.7	7/1/2021	70A.15.3510	2022
400-107	6/2/1995	9/16/2018	60.8	7/1/2021	70A.15.6410	2022
400-108	X	9/16/2018	61,	7/1/2021	70A.15.6420	2022
400-109	X	9/16/2018	63.6	7/1/2021	70A.60.070	2022
400-110	9/29/2016	12/29/2012	63.7	7/1/2021	70A.60.080	2022
400-111	10/6/2016	7/1/2016	63.8	7/1/2021	43.21B	2022
400-113	4/29/2015	12/29/2012	63.9	7/1/2021	--	--
400-114	X	12/29/2012	63.10	7/1/2021	--	--
400-171	10/6/2016	9/16/2018	63.455	7/1/2021	--	--
400-200	10/3/2014	2/10/2005	63.7500	7/1/2021	--	--

WAC	F	S	**CFR**	F	**RCW**	S
400-205	6/2/1995	3/22/1991	63.7510	7/1/2021	--	--
400-560	4/29/2015	12/29/2012	63.7515	7/1/2021	--	--
400-720	10/6/2016	7/1/2016	63.7520	7/1/2021	--	--
400-820	11/7/2014	12/29/2012	63.7525	7/1/2021	--	--
401-200	1/2/2003	3/5/2016	63.7540	7/1/2021	--	--
401-500	1/2/2003	10/17/2002	63.7545	7/1/2021	--	--
401-510	1/2/2003	3/5/2016	63.7550	7/1/2021	--	--
401-520	1/2/2003	11/4/1993	64.3	7/1/2021	--	--
401-530	1/2/2003	10/17/2002	64.4	7/1/2021	--	--
401-605	1/2/2003	11/4/1993	64.6	7/1/2021	--	--
401-610	1/2/2003	11/4/1993	64.7	7/1/2021	--	--
401-615	1/2/2003	10/17/2002	64.8	7/1/2021	--	--
401-620	1/2/2003	11/4/1993	64.9	7/1/2021	--	--
401-625	1/2/2003	11/4/1993	68.36	7/1/2021	--	--
401-630	1/2/2003	3/5/2016	70.6	7/1/2021	--	--
401-640	1/2/2003	11/4/1993	82	7/1/2021	--	--
401-645	1/2/2003	11/4/1993	--	--	--	--
401-650	1/2/2003	11/4/1993	--	--	--	--
401-705	1/2/2003	11/4/1993	--	--	--	--
401-710	1/2/2003	10/17/2002	--	--	--	--
401-720	1/2/2003	11/4/1993	--	--	--	--
401-722	1/2/2003	10/17/2002	--	--	--	--

WAC	F	S	**CFR**	F	**RCW**	S
401-724	1/2/2003	3/5/2016	--	--	--	--
401-730	1/2/2003	11/4/1993	--	--	--	--
401-930	1/2/2003	1/30/1994	--	--	--	--
435-040	--	10/31/1977	--	--	--	--
455-100	X	11/25/2018	--	--	--	--
455-120	X	12/31/2012	--	--	--	--
371-08-	--	2/14/2015	--	--	--	--