



Notice of Construction Application

A notice of construction permit is required before installing a new source of air pollution or modifying an existing source of air pollution. This application applies to facilities in Ecology's jurisdiction. Submit this application for review of your project. For general information about completing the application, refer to Ecology Forms ECY 070-410a-g, "Instructions for Ecology's Notice of Construction Application."

Ecology offers up to two hours of free pre-application assistance. We encourage you to schedule a pre-application meeting with the contact person specified for the location of your proposal, below. If you use up your two hours of free pre-application assistance, we will continue to assist you after you submit Part 1 of the application and the application fee. You may schedule a meeting with us at any point in the process.

Upon completion of the application, please enclose a check for the initial fee and mail to:

**Department of Ecology
Cashiering Unit
PO Box 47611
Olympia, WA 98504-7611**

For Fiscal Office Use Only: 0299-3030404-B00-216--001--000404

Check the box for the location of your proposal. For assistance, call the appropriate office listed below:

Check box	Ecology Permitting Office	Contact
<input type="checkbox"/>	Chelan, Douglas, Kittitas, Klickitat, or Okanogan County Ecology Central Regional Office (509) 575-2490	Lynnette Haller (509) 457-7126 lynnette.haller@ecy.wa.gov
<input checked="" type="checkbox"/>	Adams, Asotin, Columbia, Ferry, Franklin, Garfield, Grant, Lincoln, Pend Oreille, Stevens, Walla Walla, or Whitman County Ecology Eastern Regional Office (509) 329-3400	Karin Baldwin (509) 329-3452 karin.baldwin@ecy.wa.gov
<input type="checkbox"/>	San Juan County Ecology Northwest Regional Office (206) 594-0000	David Adler (425) 649-7267 david.adler@ecy.wa.gov
<input type="checkbox"/>	For actions taken at Kraft and Sulfite Paper Mills and Aluminum Smelters Only Ecology Industrial Section (360) 407-6900	James DeMay (360) 407-6868 james.demay@ecy.wa.gov
<input type="checkbox"/>	For actions taken on the US Department of Energy Hanford Reservation Only Ecology Nuclear Waste Program (509) 372-7950	Lilyann Murphy (509) 372-7951 lilyann.murphy@ecy.wa.gov

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NOV 06 2024
1190.00

Check the box below for the fee that applies to your application.

New project or equipment:

- \$1,904: Basic project** initial fee covers up to 16 hours of review.
- \$12,614: Complex project** initial fee covers up to 106 hours of review.

Change to an existing permit or equipment:

- \$357: Administrative or simple change** initial fee covers up to 3 hours of review. Ecology may determine your change is complex during the completeness review of your application. If you project is complex, you must pay the additional xxx before we will continue working on your application
- \$1,190: Complex change** initial fee covers up to 10 hours of review
- \$350flat fee:** Replace or alter control technology equipment under WAC 173-400-114. Ecology will contact you if we determine your change belongs in another fee category. You must pay the fee associated with that category before we will continue working on your application.

Read each statement below, then check the box next to it to acknowledge that you agree.

- The initial fee you submitted may not cover the cost of processing your application. Ecology will track the number of hours spent on your project. If the number of hours Ecology spends exceeds the hours included in your initial fee, Ecology will bill you \$119 per hour for the extra time.
- You must include all information requested by this application. Ecology may not process your application if it does not include all the information requested.
- Submittal of this application allows Ecology staff to visit and inspect your facility.

Part 1: General Information

I. Project, Facility, and Company Information

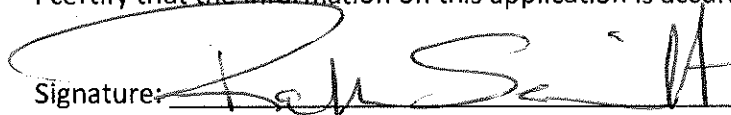
1. Project Name: Columbia Cedar Permit Update
2. Facility Name: Columbia Cedar, Inc.
3. Facility Street Address:
24419 North Highway 395 Kettle Falls, WA 99141
4. Facility Legal Description: T37N R37E S33
5. Company Legal Name (if different from Facility Name):
6. Company Mailing Address (street, city, state, zip)
24419 North Highway 395 Kettle Falls, WA 99141

II. Contact Information and Certification

1. Facility Contact Name (who will be onsite): Larry Jellison
2. Facility Contact Mailing Address (if different than Company Mailing Address):

3. Facility Contact Phone Number: (406) 802 - 4227
4. Facility Contact E-mail: larry.j@columbiacedar.com
5. Billing Contact Name (who should receive billing information):
Larry Jellison
6. Billing Contact Mailing Address (if different Company Mailing Address):
7. Billing contact Phone Number: (406) 802 - 4227
8. Billing Contact E-mail: larry.j@columbiacedar.com
9. Consultant Name (optional – if 3rd party hired to complete application elements):
Diane R. Lorenzen, P.E.
10. Consultant Organization/Company: Bison Engineering, Inc.
11. Consultant Mailing Address (street, city, state, zip):
12. Consultant Phone Number: (406) 438 - 1506
13. Consultant E-mail: dlorenzen@bison-eng.com
14. Responsible Official Name and Title (who is responsible for project policy or decision making):
Ralph Schmidt (Owner)
15. Responsible Official Phone: (509) 738 - 4711
16. Responsible Official E-mail: ralph.s@columbiacedar.com
17. Responsible Official Certification and Signature:

I certify that the information on this application is accurate and complete.

Signature:  Date: _____

Part 2: Technical Information

The Technical Information may be sent with this application form to the Cashiering Unit, or may be sent directly to the Ecology regional office with jurisdiction along with a copy of this application form.

For all sections, check the box next to each item as you complete it.

III. Project Description

- Written narrative describing your proposed project.
- Projected construction start and completion dates.
- Operating schedule and production rates.
- List of all major process equipment and manufacturer and maximum rated capacity.
- Process flow diagram with all emission points identified.
- Plan view site map.
- Manufacturer specification sheets for major process equipment components
- Manufacturer specification sheets for pollution control equipment.
- Fuel specifications, including type, consumption (per hour and per year) and percent sulfur.

IV. State Environmental Policy Act (SEPA) Compliance

Check the appropriate box below.

- SEPA review is complete. Include a copy of the final SEPA checklist and SEPA determination (e.g., DNS, MDNS, and EIS) with your application.
- SEPA review has not been conducted:
 - If review will be conducted by another agency, list the agency. You must provide a copy of the final SEPA checklist and SEPA determination before Ecology will issue your permit.
Agency reviewing SEPA: _____
 - If the review will be conducted by Ecology, fill out a SEPA checklist and submit it with your application. You can find a SEPA checklist online at <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-document-templates>

V. Emissions Estimations of Criteria Pollutants

Does your project generate criteria air pollutant emissions? Yes No

If yes, please provide the following information regarding your criteria emissions in the application.

- The names of the criteria air pollutants emitted (i.e., NO_x, SO₂, CO, PM_{2.5}, PM₁₀, TSP, VOC, and Pb)
- Potential emissions of criteria air pollutants in tons per hour, tons per day, and tons per year (include calculations)
- If there will be any fugitive criteria pollutant emissions, clearly identify the pollutant and quantity

VI. Emissions Estimations of Toxic Air Pollutants

Does your project generate toxic air pollutant emissions? Yes No

If yes, please provide the following information regarding your toxic air pollutant emissions in your application.

- The names of the toxic air pollutants emitted (specified in WAC 173-460-150¹)
- Potential emissions of toxic air pollutants in pounds per hour, pounds per day, and pounds per year (include calculations)
- If there will be any fugitive toxic air pollutant emissions, clearly identify the pollutant and quantity

VII. Emission Standard Compliance

- Provide a list of all applicable new source performance standards, national emission standards for hazardous air pollutants, national emission standards for hazardous air pollutants for source categories, and emission standards adopted under Chapter 70A.15 RCW.

Does your project comply with all applicable standards identified? Yes No

VIII. Best Available Control Technology

- Provide a complete evaluation of Best Available Control Technology (BACT) for your proposal.

IX. Ambient Air Impacts Analyses

Please provide the following:

- Ambient air impacts analyses for Criteria Air Pollutants (including fugitive emissions)
- Ambient air impacts analyses for Toxic Air Pollutants (including fugitive emissions)
- Discharge point data for each point included in air impacts analyses (include only if modeling is required)
 - Exhaust height
 - Exhaust inside dimensions (ex. diameter or length and width)
 - Exhaust gas velocity or volumetric flow rate
 - Exhaust gas exit temperature
 - The volumetric flow rate
 - Description of the discharges (i.e., vertically or horizontally) and whether there are any obstructions (ex., raincap)
 - Identification of the emission unit(s) discharging from the point
 - The distance from the stack to the nearest property line
 - Emission unit building height, width, and length
 - Height of tallest building on-site or in the vicinity and the nearest distance of that building to the exhaust
 - Whether the facility is in an urban or rural location

Does your project cause or contribute to a violation of any ambient air quality standard or acceptable source impact level? Yes No

To request ADA accommodation, call Ecology at (360) 407-6800, 711 (relay service), or (877) 833-6341 (TTY)

¹ <http://apps.leg.wa.gov/WAC/default.aspx?cite=173-460-150>

Columbia Cedar, Inc.
Kettle Falls, Washington
Permitting Project Description

The Columbia Cedar sawmill located near Kettle Falls, Washington is regulated under Washington Department of Ecology (DOE) Approval Order No. 23AQ-E015. The current Air Operating Permit (AOP) application is being submitted at the request of the Washington DOE air program to clear up differences between the emission points listed in the Columbia Cedar AOP, and the emissions points as shown in the process flow diagram and listed in the current emissions inventory. The equipment changes were verified by David Finley of DOE during a site visit.

The emissions inventory (EI) spreadsheet in Appendix B of this application is based on the updated process flow diagram shown in Figure 3 (Appendix A). The EI is based on the maximum estimated wood throughput of each of the mill processes. The allowable lumber input is 78,000 thousand board feet (mbf) per year, based on Approval Condition 1.b of AO No. 23AQ-E015. The emissions calculations for the EI and for the annual report are based on the tons of logs processed, and the tons of wood residue produced. The estimation values have been adjusted to make the EI more consistent with the predominant use of cedar at the mill. The estimation ratio of log weight to board feet of lumber production has been set to 2.75 tons of logs per mbf, down from 3.6 tons/mbf in the previous EI. The lower value was found in the historic facility files provided by DOE. The moisture content of the logs and green residuals has been reset as well. The residuals estimation factors have been verified based on the weights of logs and residuals reported by Columbia Cedar in 2023.

The point sources in the EI are the chipper cyclone, the trimmer cyclone, and the saw-grinding baghouse. The cyclones are listed as emissions control equipment for the chipper and the trimmer in the AOP equipment list. The cyclone emissions are unchanged in the revised EI except for minor changes to the estimated maximum residuals production.

The fugitive emission calculations have changed based on the updated process flow diagram. The changes can be viewed on the 'Mill Fugitives' page of the EI spreadsheet. Changed information has been emphasized using italics. The road dust calculations have also been refined using measured (Google Earth) truck route distances on paved and unpaved roads.