

**Air Quality**  
**PERMIT TO CONSTRUCT**

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**Permittee** North Fork Cedar, Inc. dba Kingston Cedar

**Permit Number** P-2012.0009

**Project ID** 61001

**Facility ID** 079-00007

**Facility Location** 4587 Old River Rd.  
Kingston, ID 83839

**Permit Authority**

This permit (a) is issued according to the *Rules for the Control of Air Pollution in Idaho (Rules)*, IDAPA 58.01.01.200-228; (b) pertains only to emissions of air contaminants regulated by the state of Idaho and to the sources specifically allowed to be constructed or modified by this permit; (c) has been granted on the basis of design information presented with its application; (d) does not affect the title of the premises upon which the equipment is to be located; (e) does not release the permittee from any liability for any loss due to damage to person or property caused by, resulting from, or arising out of the design, installation, maintenance, or operation of the proposed equipment; (f) does not release the permittee from compliance with other applicable federal, state, tribal, or local laws, regulations, or ordinances; (g) in no manner implies or suggests that the Department of Environmental Quality (DEQ) or its officers, agents, or employees, assume any liability, directly or indirectly, for any loss due to damage to person or property caused by, resulting from, or arising out of design, installation, maintenance, or operation of the proposed equipment. Changes in design, equipment or operations may be considered a modification subject to DEQ review in accordance with IDAPA 58.01.01.200-228.

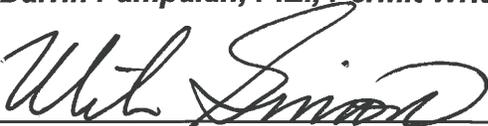
**Date Issued** August 27, 2002

**Date Revised** March 14, 2012



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**Darrin Pampaian, P.E., Permit Writer**



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**Mike Simon, Stationary Source Manager**

## ACRONYMS, UNITS, AND CHEMICAL NOMENCLATURE

|                  |  |
|------------------|--|
| AQCR             | Air Quality Control Region   |
| ASTM             | American Society for Testing and Materials   |
| CFR              | Code of Federal Regulations  |
| Department       | Department of Environmental Quality  |
| EPA              | U.S. Environmental Protection Agency   |
| gr               | grain (1 lb = 7,000 grains)  |
| gr/dscf          | grains per dry standard cubic feet   |
| IDAPA            | a numbering designation for all administrative rules in Idaho promulgated in accordance with the Idaho Administrative Procedures Act |
| km               | kilometer  |
| LPG              | liquefied petroleum gas  |
| lb/hr            | pound per hour   |
| Mbf/day          | thousand board feet per day  |
| MMbf             | million board feet   |
| O&M              | Operations and Maintenance   |
| PM               | particulate matter   |
| PM <sub>10</sub> | particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers                                       |
| PTC              | permit to construct  |
| SIC              | Standard Industrial Classification   |
| T/yr             | tons per year  |
| UTM              | Universal Transverse Mercator  |
| VOC              | volatile organic compound  |

**AIR QUALITY PERMIT TO CONSTRUCT NUMBER: 079-00007**

**Permittee:** Malloy Lumber Co. Inc.  
**Location:** Kingston, Idaho

**Date Issued:** August 27, 2002

**1. PERMIT TO CONSTRUCT SCOPE**

**1.1 Regulated Sources**

Table 1.1 lists all sources of emissions regulated in this PTC.

**Table 1.1 REGULATED EMISSIONS SOURCES**

| <b>Permit Section</b> | <b>Source Description</b>      | <b>Emissions Control(s)</b> |
|-----------------------|--------------------------------|-----------------------------|
| 2                     | LPG or fuel oil boiler         | None                        |
| 2                     | Lumber drying kiln             | None                        |
| 3                     | Planing and material transport | None                        |

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**2. DRYING KILN AND BOILER**

**2.1 Process Description**

The primary purpose of the boiler and drying kiln is to reduce the moisture content of the lumber after it has been rough-cut. The drying kiln is supplied with steam from the boiler.

***Emissions Limits***

**2.2 Emissions Limits**

The total PM<sub>10</sub> and VOC emissions from the kiln shall not exceed any corresponding emissions rate limits listed in Table 2.1.

[IDAPA 58.01.01.211]

**Table 2.1 EMISSIONS LIMITS**

| Malloy Lumber, Kingston, Idaho<br>Emissions Limits <sup>a</sup> - Hourly (lb/hr) and Annual <sup>b</sup> (T/yr) |                  |      |      |
|---|------------------|------|------|
| Description   | PM <sub>10</sub> |      | VOC  |
|   | lb/hr            | T/yr | T/yr |
| Kiln  | 1.4              | 6.1  | 50   |

<sup>a</sup> As determined by a pollutant-specific EPA reference method, Department-approved alternative, or as determined by the Department's emissions estimation methods used in this permit analysis.

<sup>b</sup> As determined by multiplying the actual or allowable (if actual is not available) pound-per-hour emissions rate by the allowable hours per year that the process(es) may operate(s), or by actual annual production rates.

**2.3 Opacity Limit**

Emissions from the boiler and kiln stacks, or any other stack, vent, or functionally equivalent opening associated with the boiler and kiln, shall not exceed 20% opacity for a period or periods aggregating more than three minutes in any 60-minute period as required by IDAPA 58.01.01.625. Opacity shall be determined by the procedures contained in IDAPA 58.01.01.625.

[IDAPA 58.01.01.625]

**2.4 Particulate Matter**

The permittee shall not emit PM from the boiler stack in excess of 0.015 gr/dscf corrected to 3% oxygen when burning LPG, or in excess of 0.050 gr/dscf corrected to 3% oxygen when burning No. 2 fuel oil in accordance with IDAPA 58.01.01.676.

[IDAPA 58.01.01.676]

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***Operating Requirements***

**2.5 Operating Rate**

The kiln shall not operate at a rate that exceeds 490 Mbf/day.

[IDAPA 58.01.01.211]

**2.6 Fuel Requirements**

The burner fuel shall be either No. 2 fuel oil or LPG.

The sulfur content in the No. 2 fuel oil (ASTM Grade 2) supplied to the Malloy Lumber Co. - Kingston facility shall not exceed 0.05% by weight.

[IDAPA 58.01.01.203]

**2.7 Operations and Maintenance Manual Requirements**

Within 60 days after startup, the permittee shall have developed an O&M manual for the kiln and boiler which describes the procedures that will be followed to comply with General Provision 2. The O&M manual shall contain, at a minimum, the methods used to measure operating parameters and maintain manufacturer operating parameters, and a maintenance schedule. This manual shall remain onsite at all times and shall be made available to Department representatives upon request.

[IDAPA 58.01.01.211]

***Monitoring and Recordkeeping Requirements***

**2.8 Boiler Performance Test**

Within 60 days after achieving the maximum production rate at which the source will operate, but not later than 180 days after initial startup, the permittee shall conduct performance tests to measure the following:

- Opacity from the boiler stack. This initial performance test shall be performed in accordance with 40 CFR 60.45c. The permittee shall submit the results of this initial performance test to EPA Region 10 in accordance with 40 CFR 60.48c.

[IDAPA 58.01.01.211; 40 CFR 60, Subpart Dc]

- The permittee shall submit to EPA Region 10 a certification form from the fuel supplier verifying that the fuel contains 0.5% sulfur or less in accordance with 40 CFR 60.44c. This certification will replace the requirement for an initial performance test.

[IDAPA 58.01.01.211; 40 CFR 60, Subpart Dc]

- The results of the boiler performance tests shall be submitted to the Department within 30 days of completion of the test in accordance with IDAPA 58.01.01.157.04.

[IDAPA 58.01.01.157.04]

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**2.9** Construction and Plant Startup

The permittee shall submit a report to EPA Region 10 showing the date construction commences, the date of anticipated startup, and the date of actual startup of the boiler, in accordance with 40 CFR 60.48c. A copy of this report shall be sent to the Department.

[IDAPA 58.01.01.211; 40 CFR 60, Subpart Dc]

**2.10** Fuel Usage

The permittee shall record and maintain records of the amounts and type of fuel consumed by the burner on a daily basis in accordance with 40 CFR 60.48c. A compilation of the most recent two years of records shall be maintained onsite and shall be made available to Department representatives upon request.

[IDAPA 58.01.01.211; 40 CFR 60, Subpart Dc]

**2.11** Fuel Oil Sulfur Content

The permittee shall maintain records of the No. 2 fuel oil sulfur content in accordance with 40 CFR 60.48c. A compilation of the most recent two years of records shall be maintained onsite and shall be made available to Department representatives upon request.

The permittee shall submit reports to EPA Region 10 in accordance with 40 CFR 60.48c that demonstrate that the fuel used in the burner complies with 40 CFR 60.42c(d).

[IDAPA 58.01.01.211; 40 CFR 60, Subpart Dc]

**2.12** Throughput Monitoring

The permittee shall monitor and record the throughput of the kiln in average board feet per day. A compilation of the most recent two years of records shall be kept onsite and shall be made available to Department representatives upon request.

[IDAPA 58.01.01.211]

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**3. PLANING AND MATERIAL TRANSPORT**

**3.1 Process Description**

Sawdust, wood chips, and scrap ends (hog fuel) from wood cutting and planing operations are conveyed to storage bins by cyclones. The cyclones also reduce the emissions from these operations.

***Emissions Limits***

**3.2 Opacity Limit**

Emissions from the cyclone exhaust stream, or any other stack, vent, or functionally equivalent opening associated with the cyclones, shall not exceed 20% opacity for a period or periods aggregating more than three minutes in any 60-minute period as required by IDAPA 58.01.01.625. Opacity shall be determined by the procedures contained in IDAPA 58.01.01.625.

[IDAPA 58.01.01.625]

***Operating Requirements***

**3.3 Throughput Limits**

The throughput to the planer shall not exceed 490 Mbf/day and 178.7 MMbf/year.

[IDAPA 58.01.01.203]

**3.4 Cyclones**

The permittee shall utilize cyclones at all times during operation to control PM emissions from wood cutting and planing operations.

[IDAPA 58.01.01.211]

***Monitoring and Recordkeeping Requirements***

**3.5 Throughput Monitoring**

The permittee shall monitor and record the throughput of the planer in board feet per day and board feet per year for the most recent 12-month period. A compilation of the most recent two years of records shall be kept onsite and shall be made available to Department representatives upon request.

[IDAPA 58.01.01.211]

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**Permittee:** Malloy Lumber Co. Inc.  
**Location:** Kingston, Idaho

**Date Issued:** August 27, 2002

**4. GENERAL REQUIREMENTS**

**4.1 Reasonable Control of Fugitive Emissions**

All reasonable precautions shall be taken to prevent PM from becoming airborne as required in IDAPA 58.01.01.651. In determining what is reasonable, considerations will be given to factors such as the proximity of dust-emitting operations to human habitations and/or activities and atmospheric conditions that might affect the movement of PM. Some of the reasonable precautions include, but are not limited to, the following:

- Use, where practical, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of lands.
- Application, where practical, of asphalt, oil, water or suitable chemicals to, or covering of dirt roads, material stockpiles, and other surfaces which can create dust.
- Installation and use, where practical, of hoods, fans and fabric filters or equivalent systems to enclose and vent the handling of dusty materials. Adequate containment methods should be employed during sandblasting or other operations.
- Covering, where practical, of open-bodied trucks transporting materials likely to give rise to airborne dusts.
- Paving of roadways and their maintenance in a clean condition, where practical.
- Prompt removal of earth or other stored material from streets, where practical.

[IDAPA 58.01.01.650]

**4.2 Fugitive Dust Monitoring**

The permittee shall conduct a quarterly facility-wide inspection of potential sources of fugitive emissions, during daylight hours and under normal operating conditions, to ensure that the methods used to reasonably control fugitive emissions are effective. If fugitive emissions are not being reasonably controlled, the permittee shall take corrective action as expeditiously as practicable. The permittee shall maintain records of the results of each quarterly fugitive emission inspection. The records shall, at a minimum, include the date of each inspection and a description of the following: the permittee's assessment of the conditions existing at the time fugitive emissions were present (if observed), any corrective action taken in response to the fugitive emissions, and the date the corrective action was taken.

[IDAPA 58.01.01.211.01]

**4.3 Performance Test Protocol**

The permittee is strongly encouraged to submit a test protocol to the Department for approval, at least 30 days prior to the test days, for the performance test required in Permit Condition 2.8.

[IDAPA 58.01.01.157.01]

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**4.4 Certification of Documents**

All documents submitted to the Department, including, but not limited to, records, monitoring data, supporting information, requests for confidential treatment, testing reports, or compliance certifications, shall contain a certification by a responsible official. The certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document(s) are true, accurate, and complete.

**[IDAPA 58.01.01.123]**

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**Location:** Kingston, Idaho

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**5. PERMIT TO CONSTRUCT GENERAL PROVISIONS**

1. All emissions authorized herein shall be consistent with the terms and conditions of this permit and the *Rules for the Control of Air Pollution in Idaho*. The emissions of any pollutant in excess of the limitations specified herein, or noncompliance with any other condition or limitation contained in this permit, shall constitute a violation of this permit and the *Rules for the Control of Air Pollution in Idaho*, and the Environmental Protection and Health Act, Idaho Code §39-101, et seq.
2. The permittee shall at all times (except as provided in the *Rules for the Control of Air Pollution in Idaho*) maintain in good working order and operate as efficiently as practicable, all treatment or control facilities or systems installed or used to achieve compliance with the terms and conditions of this permit and other applicable Idaho laws for the control of air pollution.
3. The permittee shall allow the Director, and/or the authorized representative(s), upon the presentation of credentials:
  - 3.1 To enter, at reasonable times, upon the premises where an emissions source is located, or in which any records are required to be kept under the terms and conditions of this permit.
  - 3.2 At reasonable times, to have access to and copy any records required to be kept under the terms and conditions of this permit, to inspect any monitoring methods required in this permit, and require stack emissions testing in conformance with IDAPA 58.01.01.157 when deemed appropriate by the Director.
4. Nothing in this permit is intended to relieve or exempt the permittee from compliance with any applicable federal, state, or local law or regulation, except as specifically provided herein.
5. The permittee shall notify the Department, in writing, of the required information for the following events within five working days after occurrence:
  - Initiation of Construction - Date
  - Completion/Cessation of Construction - Date
  - Actual Production Startup - Date
  - Initial Date of Achieving Maximum Production Rate - Production Rate and Date
6. If emissions testing is specified, the permittee must schedule such testing within 60 days after achieving the maximum production rate, but not later than 180 days after initial startup. Such testing must strictly adhere to the procedures outlined in IDAPA 58.01.01.157 and shall not be conducted on weekends or state holidays without prior written approval from the Department. Testing procedures and specific time limitations may be modified by the Department by prior negotiation if conditions warrant adjustment. The Department shall be notified at least 15 days prior to the scheduled compliance test. Any records or data generated as a result of such compliance test shall be made available to the Department upon request.

The maximum allowable operating rate shall be limited to 120% of the average operating rate attained during any performance test period, for which a test protocol has been granted prior approval by the Department, unless (1) the test demonstrates noncompliance; (2) a more restrictive operating limit is specified elsewhere in this permit; or (3) at such an operating rate, emissions would exceed any emissions limit(s) set forth in this permit.
7. The provisions of this permit are severable, and if any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.



STATE OF IDAHO  
DEPARTMENT OF  
ENVIRONMENTAL QUALITY

1410 North Hilton • Boise, Idaho 83706 • (208) 373-0502

C.L. "Butch" Otter, Governor  
Toni Hardesty, Director

March 14, 2012

Bill Malloy, Manager  
North Fork Cedar, Inc. dba Kingston Cedar  
P.O. Box 249  
Kingston, ID 83839

RE: Facility ID No. 079-00007, North Fork Cedar, Inc. dba Kingston Cedar, Kingston  
PTC Revision - Transfer of Ownership

Dear Mr. Malloy:

This letter acknowledges receipt on February 15, 2012, of a request for the transfer of ownership for PTC Revision from Malloy Lumber Co., Inc. to North Fork Cedar, Inc. dba Kingston Cedar. Your transfer of ownership request is based on the following information.

**Current Permittee Information**

Permittee: Malloy Lumber Co., Inc.  
Facility Location: 4587 Old River Rd., Kingston, ID  
Responsible Official: William Malloy  
Phone Number: (208) 448-1115  
Person to Contact: Dennis Sawyer  
Phone Number: (208) 682-2213

**Proposed Permittee Information**

Permittee: North Fork Cedar, Inc. dba Kingston Cedar  
Facility Location: 4587 Old River Rd., Kingston, ID  
Responsible Official: William Malloy  
Phone Number: (208) 682-2213

The following table lists the permits subject to the requested transfer of ownership.

**PERMITS SUBJECT TO THIS TRANSFER OF OWNERSHIP**

| Permit Type | Current Permit No. | Issuance Date   | Project No. (If Assigned) | Revised Permit No. | Issuance Date  | Project No. (If Assigned) |
|-------------|--------------------|-----------------|---------------------------|--------------------|----------------|---------------------------|
| PTC         | 079-00007          | August 27, 2002 | N/A                       | P-2012.0009        | March 14, 2012 | 61001                     |

DEQ is only revising the cover page of the PTC. All other information in the permit remains the same.

Attached to this letter is P-2012.0009, Project No. 61001 with revised cover pages reflecting the transfer of ownership. The effective date of the transfers is the date listed on the cover page of each permit, which is the same as the date of this letter. DEQ recommends that you maintain a copy of this letter for your records.

These transfers do not release North Fork Cedar, Inc. dba Kingston Cedar from compliance with all other applicable federal, state, or local laws, regulations, permits, or ordinances. If you have any questions, please contact Darrin Pampaian at 208.373.0502 or [darrin.pampaian@deq.idaho.gov](mailto:darrin.pampaian@deq.idaho.gov).

Sincerely,



Mike Simon  
Stationary Source Program Manager  
Air Quality Division

Attachment

Permit No. P-2012.0009 PROJ 61001

MS/dp