

Part 70 Operating Permit Amendment

Permit Amendment No.: **2421-185-0009-V-02-1** Effective Date:

Facility Name: **Langdale Forest Products Co.**
1202 Madison Highway
Valdosta, Georgia 31601 Lowndes County

Mailing Address: P.O. Box 1088
Valdosta, Georgia 31603

Parent/Holding Company: Langdale Forest Products Co.

Facility AIRS Number: 04-13-185-00009

In accordance with the provisions of the Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq and the Georgia Rules for Air Quality Control, Chapter 391-3-1, adopted pursuant to and in effect under the Act, the Permittee described above is issued a permit for:

The removal of Drying Kiln No. 3 production limit and associated record keeping and reporting requirements. Raising the Drying Kiln No. 7 production limit, and limiting the operation of the Planer Mill Group.

This Permit Amendment is conditioned upon compliance with all provisions of The Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq, the Rules, Chapter 391-3-1, adopted and in effect under that Act, or any other condition of this Permit Amendment and Permit No. 2421-185-0009-V-02-0. Unless modified or revoked, this Permit Amendment expires upon issuance of the next Part 70 Permit for this source.

This Permit Amendment may be subject to revocation, suspension, modification or amendment by the Director for cause including evidence of noncompliance with any of the above; or for any misrepresentation made in Application No. 18039 dated September 30, 2008; any other applications upon which this Permit Amendment or Permit No. 2421-185-0009-V-02-0 are based; supporting data entered therein or attached thereto; or any subsequent submittal or supporting data; or for any alterations affecting the emissions from this source.

This Permit Amendment is further subject to and conditioned upon the terms, conditions, limitations, standards, or schedules contained in or specified on the attached **6** pages, which pages are a part of this Permit Amendment, and which hereby become part of Permit No. 2421-185-0009-V-02-0.

Director
Environmental Protection Division

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PART 1.0 FACILITY DESCRIPTION

1.3 Process Description of Modification

Langdale Forest Products operates six indirect-fired drying kilns, one direct-fired drying kiln, a wood waste-fired boiler, and the planer mill group. Construction of the direct-fired drying kiln, Drying Kiln No. 7 (DK07), was authorized by Permit Amendment 2421-185-0009-V-01-3 issued on November 7, 2005. Production limits for Drying Kiln No. 7 and existing indirect-fired Drying Kiln No. 3 (DK03) were included in Permit 2421-185-0009-V-01-3 to avoid PSD requirements. The PSD avoidance limits were included in Title V renewal permit 2421-185-0009-V-02-0.

As requested by Langdale Forest Products, the PSD avoidance production limit on Kiln No. 3 is removed. The PSD avoidance production limit on Kiln No. 7 is raised to 53.5 million board feet per year. The limit on Kiln No. 7 was not completely removed to limit the PM2.5 emissions from this kiln. A limit on production of the planer mill is included so that PM2.5 emissions from the planer mill do not increase and this modification is not subject to PSD for PM2.5.

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PART 3.0 REQUIREMENTS FOR EMISSION UNITS

Note: Except where an applicable requirement specifically states otherwise, the averaging times of any of the Emissions Limitations or Standards included in this permit are tied to or based on the run time(s) specified for the applicable reference test method(s) or procedures required for demonstrating compliance.

3.1.1 Additional Emission Units

Emission Units		Specific Limitations/Requirements		Air Pollution Control Devices	
ID No.	Description	Applicable Requirements/Standards	Corresponding Permit Conditions	ID No.	Description
BLR1	Wood waste-fired boiler	GA Rule 391-3-1-.02(2)(d)	3.3.1, 3.3.2, 3.4.4, 5.2.1, 5.2.3, 5.2.4, 5.2.8, 5.2.9, 6.2.2	MCY1 MCY2 ESP1	Multiclone No. 1 Multiclone No. 2 Electrostatic Precipitator
DK01	Lumber Drying Kiln	40 CFR 63, Subpart A 40 CFR 63, Subpart DDDD GA Rule 391-3-1-.02(2)(e) GA Rule 391-3-1-.02(2)(b)	3.3.1, 3.3.3, 3.4.1, 3.4.2, 6.2.1	N/A	N/A
DK02	Lumber Drying Kiln	40 CFR 63, Subpart A 40 CFR 63, Subpart DDDD GA Rule 391-3-1-.02(2)(e) GA Rule 391-3-1-.02(2)(b)	3.3.1, 3.3.3, 3.4.1, 3.4.2, 6.2.1	N/A	N/A
DK03	Lumber Drying Kiln	40 CFR 63, Subpart A 40 CFR 63, Subpart DDDD GA Rule 391-3-1-.02(2)(e) GA Rule 391-3-1-.02(2)(b)	3.2.1 , 3.3.1, 3.3.3, 3.4.1, 3.4.2, 6.2.1, 6.2.3, 6.2.4	N/A	N/A
DK04	Pole Drying Kiln	40 CFR 63, Subpart A 40 CFR 63, Subpart DDDD GA Rule 391-3-1-.02(2)(e) GA Rule 391-3-1-.02(2)(b)	3.3.1, 3.3.3, 3.4.1, 3.4.2, 6.2.1	N/A	N/A
DK05	Pole Drying Kiln	40 CFR 63, Subpart A 40 CFR 63, Subpart DDDD GA Rule 391-3-1-.02(2)(e) GA Rule 391-3-1-.02(2)(b)	3.3.1, 3.3.3, 3.4.1, 3.4.2, 6.2.1	N/A	N/A
DK06	Pole Drying Kiln	40 CFR 63, Subpart A 40 CFR 63, Subpart DDDD GA Rule 391-3-1-.02(2)(e) GA Rule 391-3-1-.02(2)(b)	3.3.1, 3.3.3, 3.4.1, 3.4.2, 6.2.1	N/A	N/A
DK07	Lumber Drying Kiln	40 CFR 63, Subpart A 40 CFR 63, Subpart DDDD GA Rule 391-3-1-.02(2)(e) GA Rule 391-3-1-.02(2)(b)	3.2.1, 3.3.1, 3.3.3, 3.3.4, 3.4.1, 3.4.2, 6.2.1, 6.2.3, 6.2.4	N/A	N/A
PMG1	Planer Mill Group	GA Rule 391-3-1-.02(2)(e) GA Rule 391-3-1-.02(2)(b)	3.2.2, 3.3.1, 3.3.3, 3.4.1, 3.4.3, 5.2.2, 5.2.5, 5.2.6, 5.2.7	BH01	Baghouse

* Generally applicable requirements contained in this permit may also apply to emission units listed above. The lists of applicable requirements/standards and corresponding permit conditions are intended as a compliance tool and may not be definitive.

3.2 Equipment Emission Caps and Operating Limits

MODIFIED CONDITION

- 3.2.1 The Permittee shall not dry more than 53.5 million board feet of lumber per any twelve consecutive months in Lumber Drying Kiln No. 7 (Source Code DK07).
[Avoidance of 40 CFR 52.21]

NEW CONDITION

- 3.2.2 The Permittee shall process more than 134.3 million board feet of lumber per any twelve consecutive months in the Planer Mill Group (Source Code PMG1).
[Avoidance of 40 CFR 52.21]

3.3 Equipment Federal Rule Standards

NEW CONDITION

- 3.3.4 The Permittee shall not discharge or cause the discharge into the atmosphere from Drying Kiln No. 7 (Source Code DK07) any gases which contain VOC in excess of 4.6 lb VOC/1,000 board feet lumber dried.
[40 CFR 52.21 and 391-3-1-.03(2)(c)]

PART 5.0 REQUIREMENTS FOR MONITORING (Related to Data Collection)

5.2 Specific Monitoring Requirements

NEW CONDITIONS

5.2.10 The Permittee shall monitor the combustion gas temperatures, including combustion chamber exit and blend box exit temperatures, for a period of six months to establish combustion gas temperatures which represent good operating conditions for Drying Kiln No. 7 (Source Code DK07), as specified in Condition No. 5.2.11, and to assure that the provisions of Condition 8.17.1 are met. The report shall be submitted to the Division within 30 days of completion of this monitoring.
[391-3-1-.02(6)(b) 1 and 40 CFR 70.6(a)(3)(i)]

5.2.11 Within 180 days of the issuance of this permit, the Permittee shall develop and implement a Work Practice and Preventive Maintenance Program for Drying Kiln No. 7 (Source Code DK07) to assure that the provisions of Condition 8.17.1 are met. The program shall be subject to review and modification by the Division. At a minimum, the following operational and maintenance checks shall be made, and a record of the findings and corrective actions taken, shall be kept in a maintenance log:
[391-3-1-.02(6)(b) 1 and 40 CFR 70.6(a)(3)(i)]

- a. Measurement of the combustion chamber exit temperature. Data recorded daily.
- b. Measurement of the blend box exit temperature (dry bulb readings). Data recorded daily.
- c. The Permittee shall submit to the Division, for approval, the ranges of temperatures, per paragraph a and b of this condition, that are indicative of good operation and minimization of VOC emissions with the report required by Condition 5.2.10.
- d. Any time a combustion chamber exit temperature and/or blend box exit temperature exceeds targeted values, investigate the cause within a reasonable amount of time and correct any adverse condition discovered as quickly as possible.
- e. Check to verify that the heating system, including gasifier, combustion chamber and blend box, is operating properly.
- f. If it is determined that the gasifier, combustion chamber, or blend box, is operating improperly, during an inspection done in accordance with this condition, correct in the most expedient manner possible and note the corrective action taken. The Permittee shall also record any corrective action(s) taken to prevent any future exceedances.

PART 6.0 OTHER RECORD KEEPING AND REPORTING REQUIREMENTS**6.1 General Record Keeping and Reporting Requirements**

MODIFIED CONDITION

6.1.7 For the purpose of reporting excess emissions, exceedances or excursions in the report required in Condition 6.1.4, the following excess emissions, exceedances, and excursions shall be reported:

[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

- a. Excess emissions: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping, which is specifically defined, or stated to be, excess emissions by an applicable requirement)

None required to be reported in accordance with Condition 6.1.4.

- b. Exceedances: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping that provides data in terms of an emission limitation or standard and that indicates that emissions (or opacity) do not meet the applicable emission limitation or standard consistent with the averaging period specified for averaging the results of the monitoring)

i. Any twelve consecutive month period during which more than 53.5 million board feet of lumber is dried in Lumber Drying Kiln No. 7 (Source Code LK07).

ii. Any twelve consecutive month period during which more than 134.3 million board feet of lumber are processed through the Planer Mill Group (Source Code PMG1).

- c. Excursions: (means for the purpose of this Condition and Condition 6.1.4, any departure from an indicator range or value established for monitoring consistent with any averaging period specified for averaging the results of the monitoring)

i. Any three-hour period during which the average total power (arithmetic average of three contiguous one-hour periods) to Source Code ESP1 is less than 1495 Watts.

ii. Any adverse condition discovered by the weekly inspections of the boiler multiclones.

iii. Any time the baghouse is operating outside the appropriate pressure drop range specified in Condition 5.2.5.

iv. Any failure to follow any procedure of the work practice and preventive maintenance plan required in Condition 5.2.11.

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- v. Any adverse condition(s) found for two consecutive days in accordance with Condition 5.2.11.
- vi. Any exceedance of the combustion chamber and/or blend box exit temperature in accordance with Condition 5.2.11d. As part of the reporting, the Permittee shall report any corrective action taken.

6.2 Specific Record Keeping and Reporting Requirements

MODIFIED CONDITIONS

- 6.2.3 For each calendar month, the Permittee shall maintain records of the amount of lumber processed through Lumber Drying Kiln No. 7 (Source Code LK07), to confirm compliance with the production limit in Condition 3.2.1. The records shall be retained in a permanent form suitable and available for inspection or submittal to the Division upon request.
[391-3-1-.02(6)(b)1(i) and 40 CFR 70.6(a)(3)(ii)(B)]
- 6.2.4 The Permittee shall use the monthly production data recorded in accordance with Condition 6.2.3 to calculate the 12-consecutive month total amount of lumber processed through Lumber Drying Kiln No. 7 (Source Code LK07) for each calendar month in the reporting period. Each 12-consecutive month total shall be included in the semiannual period report specified in Condition 6.1.4. A 12-consecutive month total shall be the total for a month in the reporting period plus the totals for the previous eleven consecutive months.
[391-3-1-.02(6)(b)1(i) and 40 CFR 70.6(a)(3)(ii)(B)]

NEW CONDITIONS

- 6.2.5 For each calendar month, the Permittee shall maintain records of the amount of lumber processed through the Planer Mill Group (Source Code PMG1), to confirm compliance with the production limit in Condition 3.2.2. The records shall be retained in a permanent form suitable and available for inspection or submittal to the Division upon request.
[391-3-1-.02(6)(b)1(i) and 40 CFR 70.6(a)(3)(ii)(B)]
- 6.2.6 The Permittee shall use the monthly production data recorded in accordance with Condition 6.2.5 to calculate the 12-consecutive month total amount of lumber processed through the Planer Mill Group (Source Code PMG1) for each calendar month in the reporting period. Each 12-consecutive month total shall be included in the semiannual period report specified in Condition 6.1.4. A 12-consecutive month total shall be the total for a month in the reporting period plus the totals for the previous eleven consecutive months.
[391-3-1-.02(6)(b)1(i) and 40 CFR 70.6(a)(3)(ii)(B)]