



OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY
OREGON TITLE V OPERATING PERMIT

Eastern Region
475 NE Bellevue Dr., Suite 110
Bend, OR 97701
Telephone (541) 388-6146

Issued in accordance with provisions of ORS 468A.040
and based on land use compatibility findings included in the permit record

ISSUED TO:

JELD-WEN, Inc.
dba JELD-WEN
3250 Lakeport Blvd.
Klamath Falls, OR 97601

INFORMATION RELIED UPON:

Application Number: 34011
Department Initiated 5/13/2022

PLANT SITE LOCATION:

3303 Lakeport Blvd.
Klamath Falls, OR 97601

LAND USE COMPATIBILITY STATEMENT:

Issued by: Klamath County
Dated: Planning Dept.
7/12/1995

ISSUED BY THE DEPARTMENT OF ENVIRONMENTAL QUALITY


Mark W. Bailey, Eastern Region Air Quality Manager

Date

AUG 11 2022

Nature of Business

Sawmills, planing mills, reconstituted wood products. Supporting activities, including metal working (such as welding, milling and forming), and fuel burning equipment greater than 30 million Btu per hour heat input located inside an AQMA

SIC

2421
2431
2493
3444
4961

NAICS

431113
321911
321219
332321
221330

RESPONSIBLE OFFICIAL

Title: The Plant Managers for the following facilities: Millwork Manufacturing-Thomas and/or Wood Fiber Division-Oregon and/or Millwork Manufacturing-Klamath Falls and/or JELD-WEN Engineering

FACILITY CONTACT PERSON

Name: William Morgan
Title: Regional Environmental Manager
Phone: (541) 883-3373 x2595

Addendum No. 1

Department Initiated Permit Modification

In accordance with OAR 340-218-0180, Permit Condition 53, Table 10; Plant Site Emission Limits, of Oregon Title V Operating Permit 18-0006-TV-01 issued on December 1, 2021, is modified, or otherwise clarified as follows. Changes have been highlighted in the following table:

PLANT SITE EMISSION LIMITS

53. The permittee must not cause or allow plant site emissions to exceed the following limits for any 12 consecutive calendar month period. The annual plant site emissions (tons/year) for the entire facility must not exceed the following as measured in accordance with Condition 72. [OAR 340-222-0035 through OAR 340-222-0041]:

Table 10. Plant Site Emission Limits:

Pollutant	Plant Site Emission Limit (tons/yr)	Unassigned Emissions (tons/yr)	Emission Reduction Credit (tons/yr)
PM	52	25	0
PM ₁₀	30	0	0
PM _{2.5}	18	10	0
SO ₂	5	0	0
NO _x	70	0	0
CO	113	0	0
VOC	258	40	0
GHG (CO ₂ e) (excluding biomass CO ₂)	74,000	0	0
GHG (CO ₂ e) (including biomass CO ₂)	101,231	NA	0
Single HAP	9	0	0
Combined HAP	24	0	0

- 53.a. The permittee may only use Unassigned Emissions after any necessary construction (OAR 340-218-0190) and operating permit revision applications (OAR 340-218-0120 through 340-218-0180) have been approved by DEQ. [OAR 340-222-055]
- 53.b. The unassigned emissions from the previous permit have been reduced to the significant emission rate (SER). [OAR 340-222-0046(3) and OAR 340-222-0055(3)] The unassigned emissions for the Round II regional haze pollutants (PM₁₀, NO_x, and SO₂) have been set to zero.



**TITLE V OPERATING PERMIT
ADDENDUM 1 SIGNIFICANT PERMIT MODIFICATION
REVIEW REPORT**

JELD-WEN, Inc.
3303 Lakeport Blvd.
Klamath Falls, OR 97601

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1. This is a significant permit modification of the Oregon Title V Operating Permit issued to JELD-WEN on December 1, 2021 and scheduled to expire on January 1, 2026. DEQ has initiated this significant permit modification based on the applicability of Round II Regional Haze program requirements in accordance with OAR 340-223-0100.
 2. In accordance with OAR 340-218-0120(1)(f), this Review Report is intended to provide the legal and factual basis for the draft permit conditions. In most cases, the legal basis for a permit condition is included in the permit by citing the applicable regulation. In addition, the factual basis for the requirement may be the same as the legal basis. However, when the regulation is not specific and only provides general requirements, this Review Report is used to provide a more thorough explanation of the factual basis for the draft permit conditions.

Regional Haze:

3. The JELD-WEN permitted facility is subject to Round II of DEQ's Regional Haze program in accordance with OAR 340-223-0100, and has chosen to comply with Round II regional haze requirements by accepting limits on its emissions of regional haze pollutants NO_x , PM_{10} and SO_2 . This approach is detailed below:
 - a. The permitted facility is located 21.1 kilometers from Mountain Lakes Wilderness Area, which is the nearest Class I Area, [OAR 340-200-0020(25)], measured in a straight line from the facility to the Class I Area.
 - b. In accordance with OAR 340-223-0100(2) the permitted plant site emissions limits as of December 1, 2021 are: 30 tons per year for PM_{10} ; 70 tons per year for NO_x ; and 39 tons per year for SO_2 . The facility's Q value was calculated to be 139 tons per year with the distance d value being 21.1 kilometers. The ratio of Q divided by d was 6.59.
 - c. In order to comply with Round II of DEQ's Regional Haze Program using the option listed at OAR 340-223-0110(2)(b)(A), the permittee has agreed to accept federally enforceable emissions limits that ensure that the combined plant site emission limits of Round II regional haze pollutants (NO_x , PM_{10} and SO_2) result in the facility's Q/d being below 5.00. The permittee has agreed to comply with the following plant site emission limits: 30 tons per year for PM_{10} ; 70 tons per year for NO_x ; and 5 tons per year for SO_2 . This results in a Q of 105 tons per year and a Q/d of 4.98 which is below the 5.00 regional haze threshold. The combined plant site emission limit reductions cannot be banked, credited, or otherwise accessed by permittee for use in future permitting actions.

PLANT SITE EMISSION LIMITS

4. Provided below is a summary of the baseline emissions rate, netting basis, plant site emission limits, and emissions capacity.

Pollutant	Baseline Emission Rate (tons/yr)	Netting Basis		Plant Site Emission Limit (PSEL)		
		Previous (tons/yr)	Proposed (tons/yr)	Current PSEL (tons/yr)	Proposed PSEL (tons/yr)	PSEL Increase (tons/yr)
PM	107	77	77	52	52	0
PM ₁₀	53	45	45	30	30	0
PM _{2.5}	NA	28	28	18	18	0
SO ₂	2.5	2.5	2.5	39	5	-34
NO _x	34	34	34	70	70	0
CO	66	66	66	113	113	0
VOC	629	298	298	258	258	0
GHG (CO ₂ e) (including biomass CO ₂)	56,551	56,551	56,551	101,231	101,231	0
GHG (CO ₂ e) (excluding biomass CO ₂)	0	0	0	74,000	74,000	0
Single HAP	0	0	0	9	9	0
Combined HAP	0	0	0	24	24	0

The SO₂ PSEL is being reduced from the generic PSEL of 39 tpy to the potential to emit at 5 tpy to ensure the combined plant site emission limits for Round II regional haze pollutants (PM₁₀, NO_x, and SO₂) result in a Q/d that is below 5.00. [OAR 340-223-0110(2)(b)(A)] In addition, particulate matter of ten microns or less (PM₁₀) is set at 30 tons per year and nitrogen oxides (NO_x) is set at 70 tons per year for this round II regional haze permitting action. See Paragraph 3 of this report and the Emissions Detail Sheets for additional information and calculations on the round II regional haze requirements.

SIGNIFICANT EMISSION RATE

5. The proposed emission limits for all pollutants are not greater than the netting basis by more than the significant emission rate, as shown in the table below. Therefore, no further air quality analysis is required in accordance with OAR 340-222-0041.

Pollutant	SER	Requested Increase Over Previous Netting Basis	Increase Due to Utilizing Capacity that Existed in the Baseline Period	Increase Due to Physical Changes or Changes in the Method of Operation Since the Baseline Emission Rate	Increase Due to Changes to Rules (i.e., the Generic PSEL)
PM	25	-25	0	-25	0
PM ₁₀	15	-15	0	-15	0
PM _{2.5}	10	-10	0	-10	0
SO ₂	40	2.5	0	2.5	-34
NO _x	40	36	0	36	0
CO	100	47	0	47	0
VOC	40	-40	0	-40	0
GHG CO ₂ e (including biomass)	75,000	44,680		44,680	0
GHG CO ₂ e (excluding biomass)	NA	NA	0	37,205	0

PUBLIC NOTICE

6. This permit was placed on public notice from **June 21, 2022 to July 26, 2022**. Comments may be submitted in writing during the comment period. DEQ will hold a public hearing if requested by 10 or more individuals or one person representing a group of 10 or more individuals. After the comment period and hearing, if requested, DEQ will review the comments and modify the permit as may be appropriate. A proposed permit will be sent to EPA for a 45 day review period. DEQ may request and EPA may agree to an expedited review of 5 days if there were no substantive or adverse comments during the comment period. **No comments were received in response to the public notice and no changes have been made to the permit modification.**
7. If EPA does not object in writing, any person may petition the EPA within 60 days after the expiration of EPA's 45-day review period to make such objection. Any such petition must be based only on objections to the permit that were raised with reasonable specificity during the public comment period provided for in OAR 340-218-0210, unless the petitioner demonstrates it was impracticable to raise such objections within such period, or unless the grounds for such objection arose after such period.

ATTACHMENT 1: EMISSIONS DETAIL SHEETS

The basis for the Plant Site Emission Limits provided below are calculated using the potential to emit for each pollutant using the maximum throughput and established emission factors. References for the emission factors are also provided. Actual emissions are typically well below the potential to emit.

Particulate Matter:

Emissions Device	Annual Throughput		Emission Factor		Emissions
Boiler G ^(g)	427,050	1000 lb steam	0.019	lb/1000 lb steam	4.1
NGCD ^(e)	436	mmscf	2.5	lb/mmscf	0.5
Kilns ^(f)	38,000	MBF	0.02	lb/MBF	0.4
Cyclone A ^(f)	9,544	BDT	0.5	lb/BDT	2.4
Cyclone B ^(f)					
Cyclone C ^(f)					
Cyclone D ^(f)	16,546	BDT	0.1	lb/BDT	0.8
target box:silo G ^(f)	4,808	BDT	0.1	lb/BDT	0.2
target box:silo H ^(f)	21,173	BDT	0.1	lb/BDT	1.1
target box:silo I ^(f)	14,709	BDT	0.1	lb/BDT	0.7
target box:silo L ^(f)	6,619	BDT	0.1	lb/BDT	0.3
log debarking ^(b)	39,250	MBF	0.00073	lb/MBF	0.0
log sawing ^(b)	39,250	MBF	0.076	lb/MBF	1.5
storage piles ^(b)	26,022	wet tons	1	lb/wet tons	13.0
paved roads ^(f)	38,000	MBF	0.84	lb/MBF	15.9
material handling Thomas ^(b)	47,955	wet tons	0.02	lb/wet tons	0.5
material handling fiber ^(a)	80,525	wet tons	0.02	lb/wet tons	0.8
fiber dryers/press vents/biofilter ^(d)	266,918	MSF - 1/8"	1.62E-03	lb/MSF	0.2
Line 1 & 2 Primer Usage ^(d)	Mass Balance				5.0
Shaker Baghouse ^(d)	782	BDT	0.072	lb/BDT	2.82E-02
Fiber South Baghouse ^(d)	1,470	BDT	0.2	lb/BDT	0.1
Fiber Main Baghouse ^(d)	1,639	BDT	0.072	lb/BDT	0.1
Line 1 Former Baghouse ^(d)	65	BDT	0.6	lb/BDT	1.95E-02
Line 2 Former Baghouse ^(d)	65	BDT	0.6	lb/BDT	1.95E-02
cyclone Z ^(d)	19	BDT	0.5	lb/BDT	4.75E-03
target box: silo S ^(d)	16,000	BDT	0.1	lb/BDT	0.8
veneer dryer ^(c)	2,400	MSF - 3/8"	0.011	lb/MSF	1.32E-02
dehumidification kilns ^(c)	10,000	MBF	0.159	lb/MBF	0.8
Engineering ^(MB)	Mass Balance				1.3
Aggregate Insignificant (AI)					1.0
PM Total					51.7

Footnotes are associated with emission factor grouping in the table below.

PM Emission Factors:

Emissions Groupings	PM Tons	Throughput	Emission Factor	
WFD-O fugitives ^(a)	0.81	266,918	6.03E-03	lb/MSF - 1/8"
MM-T fugitives ^(b)	15.0	38,000	0.79	lb/MBF
MM-KF fugitives ^(c)	0.81	10,000	0.162	lb/MBF
WFD-O supporting activities ^(d)	1.3	226,918	0.010	lb/MSF - 1/8"
Natural gas combustion devices ^(e)	0.5	436	2.5	lb/mmcf
MM-T supporting activities ^(f)	21.9	38,000	1.15	lb/MBF
MM-T boiler G ^(g)	4.1	427,050	0.019	lb/1000 lb steam

Mass Balance (MB)

Aggregate Insignificant (AI)

Emissions Device	Annual Throughput		Emission Factor		Emissions
Boiler G ^(g)	427,050	1000 lb steam	0.019	lb/1000 lb steam	4.1
NGCD ^(e)	436	mmscf	2.5	lb/mmscf	0.5
Kilns ^(f)	38,000	MBF	0.02	lb/MBF	0.4
cyclone A ^(f)	9,544	BDT	0.5	lb/BDT	2.4
cyclone B ^(f)					
cyclone C ^(f)					
cyclone D ^(f)	16,546	BDT	0.1	lb/BDT	0.8
target box:silo G ^(f)	4,808	BDT	0.1	lb/BDT	0.2
target box:silo H ^(f)	21,173	BDT	0.1	lb/BDT	1.1
target box:silo I ^(f)	14,709	BDT	0.1	lb/BDT	0.7
target box:silo L ^(f)	12,000	BDT	0.1	lb/BDT	0.3
log debarking ^(b)	39,250	MBF	7.3E-04	lb/MBF	1.43E-02
log sawing ^(b)	39,250	MBF	0.076	lb/MBF	1.5
storage piles ^(b)	26,022	wet tons	0.36	lb/wet tons	4.7
paved roads ^(f)	38,000	MBF	0.1348	lb/MBF	2.6
material handling Thomas ^(b)	47,955	wet tons	0.02	lb/wet tons	0.5
material handling fiber ^(a)	80,525	wet tons	0.02	lb/wet tons	0.8
fiber dryers/press vents/biofilter ^(d)	266,918	MSF - 1/8"	1.62E-03	lb/MSF	0.2
Line 1 & 2 Primer Usage ^(d)	Mass Balance				5.0
Shaker Baghouse ^(d)	782	BDT	0.072	lb/BDT	2.82E-02
Fiber South Baghouse ^(d)	1,470	BDT	0.2	lb/BDT	0.1
Fiber Main Baghouse ^(d)	1,639	BDT	0.072	lb/BDT	0.1
Line 1 Former Baghouse ^(d)	65	BDT	0.6	lb/BDT	1.95E-02
Line 2 Former Baghouse ^(d)	65	BDT	0.6	lb/BDT	1.95E-02
cyclone Z ^(d)	19	BDT	0.425	lb/BDT	4.0E-03

Emissions Device	Annual Throughput		Emission Factor		Emissions
target box: silo S ^(d)	16,000	BDT	0.1	lb/BDT	0.8
veneer dryer ^(c)	2,400	MSF - 3/8"	0.005	lb/MSF	6.00E-03
dehumidification kilns ^(c)	10,000	MBF	0.159	lb/MSF	0.8
Engineering ^(MB)	Mass balance				1.3
Aggregate Insignificant (AI)					1.0
PM₁₀ Total					30.0

Footnotes are associated with emission factor grouping in the table below.

PM₁₀ Emission Factors:

Emissions Groupings	PM ₁₀ tons	Throughput	Emission Factor	
WFD-O fugitives ^(a)	0.81	266,918	6.03E-03	lb/MSF - 1/8"
MM-T fugitives ^(b)	6.7	38,000	0.35	lb/MBF
MM-KF fugitives ^(c)	0.80	10,000	0.160	lb/MBF
WFD-O supporting activities ^(d)	1.3	226,918	0.010	lb/MSF - 1/8"
Natural gas combustion devices ^(e)	0.5	436	2.5	lb/mmcft
MM-T supporting activities ^(f)	8.5	38,000	0.45	lb/MBF
MM-T boiler G ^(g)	4.1	427,050	0.019	lb/1000 lb steam

Mass Balance (MB)

Aggregate Insignificant (AI)

Particulate Matter 2.5 Microns:

Emissions Device	PM ₁₀ Emissions (tpy)	PM _{2.5} Fraction	PM _{2.5} Emissions (tpy)	Reference for Fraction
Boiler G ^(g)	4.1	0.91	3.67	JWI estimate
NGCD ^(e)	0.5	1.00	0.5	AP42 Table 1.4-2
Kilns ^(f)	0.4	1.00	0.38	DEQ estimate
cyclone A ^(f)	2.4	0.50	1.19	DEQ estimate
cyclone B ^(f)				DEQ estimate
cyclone C ^(f)				DEQ estimate
cyclone D ^(f)	0.8	0.50	0.41	DEQ estimate
target box:silo G ^(f)	0.2	0.50	0.12	JWI estimate
target box:silo H ^(f)	1.1	0.50	0.53	JWI estimate
target box:silo I ^(f)	0.7	0.50	0.37	JWI estimate
target box:silo L ^(f)	0.3	0.50	0.17	JWI estimate
log debarking ^(b)	1.43E-02	0.50	7.16E-03	DEQ estimate
log sawing ^(b)	1.5	0.50	0.75	DEQ estimate
storage piles ^(b)	4.7	0.15	0.70	AP-42 1.6
paved roads ^(f)	2.6	0.25	0.63	AP-42 Table 13.2-1-1

Emissions Device	PM ₁₀ Emissions (tpy)	PM _{2.5} Fraction	PM _{2.5} Emissions (tpy)	Reference for Fraction
material handling Thomas ^(b)	0.5	0.48	0.23	DEQ estimate
material handling fiber ^(a)	0.8	0.50	0.40	DEQ estimate
fiber dryers/press vents/biofilter ^(d)	0.2	1.00	0.22	DEQ estimate
Line 1 & 2 Primer Usage ^(d)	5.0	1.00	5.00	Mass Balance
Shaker Baghouse ^(d)	2.82E-02	1.00	2.82E-02	DEQ estimate
Fiber South Baghouse ^(d)	0.1	1.00	0.15	DEQ estimate
Fiber Main Baghouse ^(d)	0.1	1.00	0.06	DEQ estimate
Line 1 Former Baghouse ^(d)	1.95E-02	1.00	1.95E-02	DEQ estimate
Line 2 Former Baghouse ^(d)	1.95E-02	1.00	1.95E-02	DEQ estimate
cyclone Z ^(d)	4.75E-03	0.50	2.38E-03	DEQ estimate
target box: silo S ^(d)	0.8	0.50	0.40	DEQ estimate
veneer dryer ^(c)	6.00E-03	1.00	0.01	AP-42 Table 10.5-1
dehumidification kilns ^(c)	0.8	1.00	0.80	DEQ estimate
Engineering ^(MB)	1.3	1.00	1.33	Mass balance
Aggregate Insignificant (AI)	1.0		1.0	
PM₁₀ and PM_{2.5} total	30.0		18.1	

Footnotes are associated with emission factor grouping in the table below.

PM_{2.5} Emission Factors:

Emissions Groupings	PM _{2.5} Tons	Throughput	Emission Factor	
WFD-O fugitives ^(a)	0.40	266,918	3.02E-03	lb/MSF - 1/8"
MM-T fugitives ^(b)	1.7	38,000	0.09	lb/MBF
MM-KF fugitives ^(c)	0.80	10,000	0.160	lb/MBF
WFD-O supporting activities ^(d)	0.9	226,918	0.007	lb/MSF - 1/8"
Natural gas combustion devices ^(e)	0.5	436	2.5	lb/mmcf
MM-T supporting activities ^(f)	3.8	38,000	0.20	lb/MBF
MM-T boiler G ^(g)	3.7	427,050	0.017	lb/1000 lb steam

Mass Balance (MB)

Aggregate Insignificant (AI)

Natural Gas Combustion:

Natural Gas Combustion Devices	MMBtu/yr	MMscft/yr
MM-T		
NG Boiler	350,400	342
WFD-O'		
Production Line 1 to Biofilter	86,724	84.5
Production Line 2 to Biofilter	86,724	84.5
Paint Booth	52,560	51.2
Fiber - Heaters	30,419	29.6
MM-KF		
Package Natural Gas Boiler	14,016	13.7
Natural Gas Combustion Devices	447,395	436
Natural Gas Combustion Biofilter (Production Lines 1 and 2)	173,448	169
Total Facility Wide Natural Gas Combustion	620,843	605

Where: Natural Gas Heating Value = 1,026 MMBtu/MMscft

Particulates (PM, PM₁₀, and PM_{2.5}) and VOC emissions emitted from Furnish Drying in Production Lines 1 and 2 are separated from the other devices that combust natural gas because their emissions are accounted for at the biofilter.

Sulfur Dioxide:

Emissions Device	Annual Throughput		Emission Factor		Emissions (tons/yr)
Boiler G	427,050	1000 lb steam	0.014	lb/1000 lb steam	3.0
NGCD	605	mmscf	2.6	mmscf	0.8
Aggregate Insignificant (AI)					1.0
SO₂ Total					4.8

Nitrogen Oxides:

Emissions Device	Annual Throughput		Emission Factor		Emissions (tons/yr)
Boiler G (non-resinated fuel)	427,050	1000 lb steam	0.25	lb/1000 lb steam	53.38
Boiler G (resonated fuel)	0	1000 lb steam	0.79	lb/1000 lb steam	0
NGCD	605	mmscf	50	lb/mmscf	15.13
Press Vents (Biofilter)	266,918	MSF-1/8"	5.0E-03	lb/MSF-1/8"	0.67
Aggregate Insignificant (AI)					1.0
NO_x Total					70.2

Carbon Monoxide:

Emissions Device	Annual Throughput		Emission Factor		Emissions (tons/yr)
Boiler G	427,050	1000 lb steam	0.402	lb/1000 lb steam	85.8
NGCD	605	mmscf	84	lb/mmscf	25.4
Press Vents (Biofilter)	266,918	MSF-1/8"	5.67E-03	lb/MSF-1/8"	0.76
Aggregate Insignificant (AI)					1.0
CO Total					113.0

Volatile Organic Compounds:

Emissions Device	Annual Throughput		Emission Factor		Emissions (tons/yr)
Boiler G	427,050	1000 lb steam	0.13	lb/1000 lb steam	27.76
NGCD	342	mmscf	5.5	lb/mmscf	0.94
Kilns (MM-T supporting activity)	38,000	MBF	1.965	lb/MBF	37.3
storage piles	26,022	wet tons	2.20E-04	lb/wet tons	2.86E-03
veneer dryer (MM-KF supporting activity)	2,400	MSF - 3/8"	2.80E-01	lb/MSF	0.34
dehumidification kilns (MM-KF supporting activity)	10,000	MBF	1.965	lb/MBF	9.82
Furnish Dryer/Press Vents/NG/Biofilter	266,918	MSF - 1/8"	4.42E-01	lb/MSF – 1/8”	58.96
facility wide VOC (Oregon Paint Booth)	material balance				121.85
Aggregate Insignificant (AI)					1.0
VOCs Total:					258.3

Regional Haze Round II Requirements:

Distance (d) to Class 1 Area: 21.1 Kilometers from the Mountain Lakes Wilderness Area

Round II Regional Haze Combined Pollutants (Q): PM₁₀, NO_x, & SO₂

Pollutants	12/1/2021 PSEL	Proposed PSEL
	(tons per year)	
PM ₁₀	30	30
NO _x	70	70
SO ₂	39	5
Total Q	139	105
Q/d	6.59	4.98

Summary of Facility Wide PTE								
Source	Pollutant							
	PM	PM ₁₀	PM _{2.5}	SO ₂	CO	NO _x	VOC	GHG CO ₂ e
	(tons/year)							
Wood Fired Boiler	4.1	4.1	3.67	2.99	85.80	56.19	27.76	64,881
Natural Gas Boiler	0.43	0.43	0.43	0.44	14.34	8.54	0.94	20,516
Lumber Kilns	0.38	0.38	0.38				37.33	
Storage Piles	13.01	4.68	0.70				2.86E-03	
Baghouses	0.27	0.27	0.27					
Cyclones	3.22	3.22	1.61					
Target Boxes	3.17	3.17	1.58					
Thomas Lumber/Fiber	1.28	1.28	0.63					
Sawing & Debarking	1.51	1.51	0.75					
Biofilter- Dryers & PV	0.21	0.21	0.21	0.22	7.86	4.89	58.96	10,155
Paint Booth NG Oven	0.06	0.06	0.06	0.07	2.15	1.28	0.14	3,077
Fiber Prime Line	5.0	5.0	5.00				111.46	
Fiber Building Heat	0.04	0.04	0.04	0.04	1.25	0.74	0.08	1,781
Veneer Dryer	1.32E-02	6.00E-03	6.00E-03				0.34	
Dehumidification Kilns	0.80	0.80	0.80				9.82	
Millwork Manufacturing	5.40E-03	5.40E-03	5.40E-03				2.75	
Millwork NG Boiler	1.71E-02	1.71E-02	1.71E-02	1.78E-02	0.57	0.34	3.76E-02	821
Engineering Emissions	1.33	1.33	1.33				7.6	
Paved Roads	15.9	2.6	0.6					
Aggregate Insignificant	1	1	1	1	1	1	1	NA
Total PTE (tons/yr)	51.7	30.0	18.4	4.8	113.0	70.2	258.3	101,231
Proposed PSEs	52	30	18	5	113	70	258	101,231