

JS

DEPARTMENT OF ECOLOGY

APR 09 2007

WATER QUALITY PROGRAM

Wood Products



Raymond Lumber Mill  
51 Ellis St.  
Raymond, WA 98577  
Tel (360) 942-6305  
Fax (360) 942-6313  
sylvia.markham@weyerhaeuser.com

April 5, 2007

Joyce Smith  
Industrial Unit Permit Coordinator  
Washington Department of Ecology  
P.O. Box 47696  
Olympia, WA 98504-7696

**Subject: 1st Quarter 2007  
Quarterly DMR for State Storm Water Permit SO 300-370D Weyerhaeuser  
Raymond Lumber Mill**

Dear Ms Smith,  
Enclosed is the first quarter 2007 DMR for Permit No. SO 300 370D. It covers the period January 1, 2007 to March 31, 2007.

The results in this report are from samples taken during a severe storm event on February 14, 2007, which was the first big storm event of the quarter. The high turbidity has triggered additional inspections, cleaning, and placement of booms. Additional oil booms were placed at mill storm drains that lead to both outfalls. Out fall booms were replaced after this event; 2/17/07, 2/24/07, 3/03/07, 3/10/07, 3/16/07, 3/17/07, 3/24/07, and 3/31/07, see attached records. On 3/15/07, the bio swale system leading to outfall 005 was cleaned of oil and debris by CCS. On 3/26/ 07, the storm sewer drain from the main office parking lot to the bio swale system was thoroughly cleaned. Less turbid flow has been seen during the recent visual inspections of outfalls 001 and 005 on 3/28/07. Also enclosed is a letter addressing the level 3 response for Turbidity triggered by high turbidity through the fourth quarter of 2005. The results reported today generate a level 1 response for zinc and copper at outfall 001. Turbidity continues to exceed the bench mark. Oil and Grease is non detectable, showing the effectiveness of the changes made in the separator and bioswale system. We are continuing to investigate and identify further opportunities for improvement.

If you have any questions or comments concerning this report, please contact me at (360) 942-6305, (360) 538-2491 or by e-mail at ([sylvia.markham@weyerhaeuser.com](mailto:sylvia.markham@weyerhaeuser.com)).

Regards,  
  
Sylvia Markham  
Environmental Coordinator  
Weyerhaeuser – Raymond Lumber Mill

Enclosures:  
First Quarter 2007 Storm Water Lab Results.xls  
cc: Ken Johnson, Area Environmental Manager, Weyerhaeuser  
Dana Peterson, Softwood Lumber Environmental Manager, Weyerhaeuser

**SO3-000370D**  
**INDUSTRIAL STORMWATER GENERAL PERMIT**  
**DISCHARGE MONITORING REPORT**  
**WEYERHAEUSER RAYMOND LUMBER**

MONITORING PERIOD FOR (YEAR/QUARTER): 2007 Jan/Feb/Mar Apr/May/June Jul/Aug/Sep Oct/Nov/Dec

**Facility/Site Information**

WEYERHAEUSER RAYMOND LUMBER  
 Location: 51 Ellis Street  
 County: PACIFIC  
 Primary SIC Code: 2421

**Mailing Information**

WEYERHAEUSER RAYMOND LUMBER  
 ATTN: Lois Nadolny  
 51 Ellis Street  
 Raymond, WA 98577-1740

**POSTED**  
 DATE: 2/24/07  
 INITIALS: JK

You must send a Discharge Monitoring Report (DMR) to Ecology every quarter. If there was no discharge or you have suspended sampling because of consistent attainment of benchmark values, mark the appropriate boxes and send the DMR to Ecology. Please read the instructions before completing the DMR.

Discharge Point: <u>001</u>						
There was no qualifying storm event this quarter so no values are entered below (see explanation)						
Quarterly Monitoring	Consistent Attainment	Average	Maximum	Units	Sample Type	Events Sampled
<b>Turbidity</b>			1100	NTU	Grab	
<b>pH</b>			6.63	Standard Units	Grab	
<b>Zinc(total)</b>			150	µg/L	Grab	
<b>Oil &amp; Grease</b>			<5.0	mg/L	Grab	
<b>BOD5</b>			14	mg/L	Grab	
Monitoring associated with impaired waterbodies:						
Discharge Point <u>001</u>						
There was no qualifying storm event this quarter so no values are entered below (see explanation)						
Quarterly Monitoring	CONSISTANT ATTAINMENT	AVERAGE	MAXIMUM	UNITS	SAMPLE TYPE	EVENTS SAMPLED
<b>Oxygen, Dissolved (DO)</b>			6.95	mg/L	Grab	

<b>Cu</b>			196	ug/L	Grab	
<b>Pb</b>			8.1	ug/L	Grab	
<b>Hardness</b>			212	Mg equivalent CaCO3/L	Grab	

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USE & 1001 AND 33 USE & 1319. (PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000.00 AND OR MAXIMUM IMPRISONMENT OF BETWEEN SIX MONTHS AND FIVE YEARS.)

Lois Nadolny, Mill Manager

4-2-07

*Lois Nadolny*

4

5

2007

Name/Title Principal Executive officer (typed or printed)

Date MO

DAY

YEAR

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICE OR AUTHORIZED AGENT

TELEPHONE NUMBER

COMMENTS/EXPLANATION:

**SO3-000370D**  
**INDUSTRIAL STORMWATER GENERAL PERMIT**  
**DISCHARGE MONITORING REPORT**  
**WEYERHAEUSER RAYMOND LUMBER**

MONITORING PERIOD FOR (YEAR/QUARTER): 2007 Jan/Feb/Mar Apr/May/Jun Jul/Aug/Sep Oct/Nov/Dec

**Facility/Site Information**

WEUERHAEUSER RAYMOND LUMBER  
 Location: 51 Ellis Street  
 County: PACIFIC  
 Primary SIC Code: 2421

**Mailing Information**

WEYERHAEUSER RAYMOND LUMBER  
 ATTN: Lois Nadolny  
 51 Ellis Street  
 Raymond, WA 98577-1740

**POSTED**  
 DATE: 12/8/07  
 INITIALS: JK

You must send a Discharge Monitoring Report (DMR) to Ecology every quarter. If there was no discharge or you have suspended sampling because of consistent attainment of benchmark values, mark the appropriate boxes and send the DMR to Ecology. Please read the instructions before completing the DMR.

Discharge Point: <u>005</u>						
There was no qualifying storm event this quarter so no values are entered below (see explanation)						
Quarterly Monitoring	Consistent Attainment	Average	Maximum	Units	Sample Type	Events Sampled
<b>Turbidity</b>			1500	NTU	Grab	
<b>pH</b>		6.50	6.82	Standard Units	Grab	
<b>Zinc(total)</b>			170	µg/L	Grab	
<b>Oil &amp; Grease</b>		< 5.0	< 5.0	mg/L	Grab	
<b>BOD5</b>			47	mg/L	Grab	
Monitoring associated with impaired waterbodies:						
Discharge Point <u>005</u>						
There was no qualifying storm event this quarter so no values are entered below (see explanation)						
Quarterly Monitoring	CONSISTANT ATTAINMENT	AVERAGE	MAXIMUM	UNITS	SAMPLE TYPE	EVENTS SAMPLED
<b>Oxygen, Dissolved (DO)</b>				mg/L	Grab	

<b>Cu</b>			220	µg/L	Grab	
<b>Pb</b>			8.1	µg/L	Grab	
<b>Hardness</b>			230	Mg equivalent CaCO3/L	Grab	

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USE & 1001 AND 33 USE & 1319. (PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000.00 AND OR MAXIMUM IMPRISONMENT OF BETWEEN SIX MONTHS AND FIVE YEARS.)

Lois Nadolny 4/2/07

*Lois Nadolny*

Name/Title Principal Executive officer (typed or printed)

Date MO

DAY

YEAR

4 5 2007

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICE OR AUTHORIZED AGENT

TELEPHONE NUMBER

COMMENTS/EXPLANATION:

6 samples were taken at Outfall 005 to monitor Oil and grease. All showed < 5.0 mg / L.. Sylvia Markham

**Weyerhaeuser - Raymond Sawmill Outfall 001  
Permit No. SO3-000370D**

**Level Three Report for Turbidity  
February 2007**

Background – Under terms of the Industrial Stormwater General NPDES Permit the stormwater monitoring data generated through fourth quarter 2005 triggered the requirement for a level three response for turbidity (Special Condition S4.C.). Consistent with the permit a level three response was prepared and submitted to the Department of Ecology (Connie Hamilton - Weyerhaeuser, to Joyce Smith - Washington Dept. of Ecology, February 6, 2006. Attached for reference.) The permit requires that a “level three source control report” be submitted to Ecology within twelve months of initiating a level three response. This communication intends to satisfy the level three source control report requirement.

Discussion – As described in the level three response plan the primary means to accomplish improved stormwater quality was through the application of structural source control BMPs and construction of a treatment BMP for the outfall 001 drainage. This project was completed in mid-2005. As previously described, these include:

- Asphaltting of heavily traveled roads within this drainage, especially the access roads to the hog fuel storage area. The rocked roads were previously a significant source of sediment.
- Asphaltting of hog fuel storage areas adjacent to the wood-fired boiler. This action facilitated the retention and cleanup of the ground up and degraded wood fiber which collects in the area.
- Regrading of the perimeter roads on the north and west sides of the mill. This served to reduce the over-topping of the Willapa River into the mill, the elimination of two direct stormwater discharges, and redirection of those stormwaters through the treatment BMP system.
- Construction of an in-ground solids and oil collection system in the drainage from the hog fuel storage area. This structure captures solids from the single most heavily loaded sediment discharge.
- Construction of a three basin bioswale totaling 500+ lineal feet. All the stormwater in the 33 acre basin is directed to and treated through these bioswales.
- Construction of a settling basin and several bioswales in other drainages and outfalls on the millsite.

Operational Source Control and other Structural Source Control BMPs have been identified and described in the SWPPP. All of these BMPs are routinely maintained.

Stormwater discharge data from outfall 001 is presented.

**Raymond Sawmill Stormwater Monitoring Data  
All Samples Collected from Manhole at Outfall 001**

Sample Date	pH	Turbidity	BOD	O&G	Zn (total)	Pb (total)	Cu (total)	Hardness
3/16/05	6.5	180	<3	<5.0	70	4	60	369
5/31/05	6.45	110	17	<5.0	110	3	20	71
9/29/05	6.81	170	<4	<5.0	60	1	40	273
11/10/05	6.2	450	10	6.5	100	3	120	147
3/23/06	6.5	110	<200	<5.0	23	5.6	26.5	113
9/19/06		240	4	<5.0	38	0.8	16.1	487
11/2/06	6.72	30	<6	<5.0	8	0.7	12.8	713

Several comments on these data are offered.

- Eight data values on stormwater grab discharges arising from variable precipitation events (intensity and time of sampling) are not sufficient to characterize stormwater quality.
- The pollutant discharge values suggest an exceptionally well controlled stormwater. The low BOD and O&G values provide evidence of good source control and performance of the bioswale system.
- Elevated turbidity values are undoubtedly related to the content of clays and silts in the native soils, and degraded wood/bark. Precipitation on the exposed soil surfaces in the Outfall 001 drainage transports these constituents. The low specific gravity of these particles means they are less amenable to capture by physical treatment processes; i.e., quiescent settling.

Conclusion – Weyerhaeuser asserts that:

- The ISWGP requirements for planning, sampling, monitoring, reporting and record-keeping are being complied with.
- All applicable and appropriate BMPs have been provided for this discharge. These BMPs are consistent with the direction provided by the Western Washington Stormwater Management Manual (2005). Chemical or chemical/physical treatment methods could be effective in reducing turbidity concentrations, but are not cost reasonable for a manufacturing facility located in coastal Western Washington.
- The combination of BMPs satisfies the technology-based requirement for provision of “all known available and reasonable levels of treatment” (AKART).
- Despite turbidity discharge values which continue to be above the ISWGP benchmark value, compliance with state water quality standards is presumed (RCW 90.48.555(6)).
- The benchmark value of 25 NTU may not be an appropriate indicator of BMP efficacy for the wood products industry.

Report

Raymond Stormwater Monitoring - February 2007 - Permit

Sample Designation	Lab ID	Turbidity NTU	BOD mg/L	O&G mg/L	pH	temp	DO
Outfall 001 @ manhole	02/14/07 1630 001	1100	14	< 5.0	6.63	8.2	6.95
	001D	1100	14		6.		
Outfall 005 @ manhole	##### 1630 002	1500	47	< 5.0	6.82	8.1	
O&G Blank		---	---	< 5.0			

Analysis Date: 02/16/07 02/16/07 02/22/07  
 Method used : AM E-180.1 AM S-5210 AM E-1664A  
 QL : --- 3 5.0  
 Analyst: SH JC SH

Sample Designation	Lab ID	Cu ug/L	Pb ug/L	Zn ug/L	Hardness mg equivalent CaCO <sub>3</sub> /L
Outfall 001 @ manhole	02/14/07 1630 001	196	8.1	150	212
Outfall 005 @ manhole	##### 1630 002	220	8.1	170	230

Analysis Date: 03/01/07 03/01/07 03/01/07 03/01/07  
 Method used : E-200.8M E-200.8M E-200.8M SM2340B  
 QL : 5 0.5 30 1  
 Analyst: DJK DJK DJK DJK

Report

Raymond Unknown Oil & Grease  
March 2007

Sample Designation	Lab Code	O & G mg/L	Date Analyzed	Analyst
Outfall 005	03/01/07 1630 001	< 5.0	03/07/07	SH
O&G Blank		< 5.0	03/07/07	SH

*PH*  
*6.56*      *8.4c*

QL: 5.0

Method: AM E-1664A

*Storm  
 Water  
 outfall*

Report

Raymond Unknown Oil & Grease  
 February 2007

Sample Designation	Lab Code	O & G mg/L	Date Analyzed	Analyst	<i>pH temp</i>
Outfall 005	02/20/07 1630 001	< 5.0	02/08/07	SH	6.12 8.00
Outfall 005	02/21/07 1100 002	< 5.0	02/08/07	SH	6.61 8.0
Outfall 005	02/26/07 1400 003	< 5.0	03/07/07	SH	6.51 10.5
Outfall 005	02/28/07 0300 005	< 5.0	03/07/07	SH	6.38 4.1
O&G Blank		< 5.0	02/28/07	SH	
O&G Blank		< 5.0	03/07/07	SH	

QL: 5.0

Method: AM E-1664A

Note: A spike was performed on sample 001.  
 The recovery was 93.2%.

*2/14 6.82  
 3/1 6.56  
 Avg pH 6.50*

Storm water  
out fall  
55' gutter

WEYERHAEUSER COMPANY  
Raymond Sawmill

Sampling Information Sheet

Date Sampled: 3/26/07 Time Sampled: 1347 A.M. (P.M.)

Samples collected by: Bob M. Anne

Meter Calibrations Jerry Brown  
by 10-11-04 Maricham  
pH meter Record to nearest 0.1 pH unit and nearest degree C

pH 10 Buffer set to pH \_\_\_\_\_

pH 7 buffer set to pH \_\_\_\_\_

pH 4 buffer set to pH \_\_\_\_\_

Buffer temperature \_\_\_\_\_

**DO meter:** Record to nearest 0.01 mg/L

Meter set to 9.63 mg/L Temperature 17.8 °C

Expected value from tables \_\_\_\_\_ mg/L

*slope 111%*

**Outfall 001**

Ph of sample \_\_\_\_\_ Temperature of sample 10.6 °C

DO of sample 6.95

**Outfall 005**

Ph of sample \_\_\_\_\_ Temperature of sample \_\_\_\_\_ °C

DO of sample \_\_\_\_\_

# Raymond Lumbermill

Weekly Oil Boom Inspection

Inspected by: Gerard Brown

Date: 02/17/07 AMPLE

#	Site Location	Outfall #	Boom Size	Date installed	Time to replace (Y/N)
0	In back of outfall #1	0	20	11/04/06	
1	In front of outfall 1 A,B,C	1	30 ft.	02/10/07	N
2	River Shed Bioswale #3	1	10 ft.	2/17/07	Y
3	River Shed Bioswale #3	1	20 ft.	11/18/06	N
4	River Shed Bioswale #2	1	10 ft.	02/10/07	Y
5	River Shed Bioswale #2	1	10 ft.	02/10/07	Y
6	Hogfuel Bioswale #1 A,B	1	10 ft.	1/27/07	N
7	In settling pond by powerhouse	1	20 ft.	1/27/07	N
8	In settling pond by powerhouse	1	20 ft.	1/27/07	N
9	NW of Planer in Ditch	3	10 ft.	02/10/07	Y
10	NW of Planer in Ditch	3	10 ft.	02/10/07	N
11	Ahead of Oil/Water Separator #4 A,B	4	10 ft.	2/17/07	Y
12	In of Oil/Water Separator #4 A,B	4	10 ft.	02/10/07	N
13	Ahead of Oil/Water Separator #5	5	10 ft.	2/17/07	Y
14	Ahead of Oil/Water Separator #5	5	20 ft.	2/17/07	Y
15	In of Oil/Water Separator #5	5	20 ft.	2/17/07	Y
16	In Bioswale by truck hoist A,B,C	5	20 ft.	02/03/07	N
17	By Trailer Loader (around drain)	5	20 ft.		drain
18	Ditch before Bioswale by trailer hoist	7	10 ft.	01/08/07	N
19	Ditch beside road before scale yard	5	10 ft.	12/16/06	N
20	Ditch between road and scale yard	5	20 ft.	01/08/07	N
21	Ditch between road and scale yard A,B	5	10 ft.	01/27/07	N
22	Ditch by wood cutting pile	1	30 ft.	01/06/07	N
23	Ditch by wood cutting pile	1	20 ft.	12/30/06	N
24	Ditch by wood cutting pile	1	30 ft.	4/28/06	N
25	Shipping Shed by E33	1	10 ft.	10/21/06	N
26	Shipping Shed by E31	1	30 ft.	10/21/06	N
27	Across from log infeed	5	20 ft.		drain
28	Ditch from Alder plantation A,B	6	10 ft.	11/24/06	N
29	Ditch from Alder plantation A,B	6	10 ft.	12/03/06	N

SSM

# Raymond Lumbermill

## Weekly Oil Boom Inspection

30	Food gate by river	6	10 Ft	6/16/06	
#	Site Location	Outfall #	Filter	Date installed	Time to replace (Mins)
1	Drain by Carrier Shop	1	Filter		
2	By Sawmill Stacker	5	Filter		
3	By Sawmill Autobuck	5	Filter		
4	By Safe Walkway	5	Filter		
5	Added booms to river behind #5 oil/water sep.	1	Filter	02/03/07	
6	Added boom to side of #16 bioswale	1	Filter	11/11/06	

Changed #16 runoff boom between #A, B,C.  
 Added 10' boom next to outfall 005

# Raymond Lumbermill

Weekly Oil Boom Inspection

Inspected by: Gerard Brown

Date: <sup>2/20/07 SSM</sup>  
~~02/17/07~~ AMPLE

#	Site Location	Outfall #	Boom Size	Date installed	Time to replace (Y/N)
0	In back of outfall #1	0	20	11/04/06	
1	In front of outfall 1 A,B,C	1	30 ft.	02/10/07	N
2	River Shed Bioswale #3	1	10 ft.	2/17/07	Y
3	River Shed Bioswale #3	1	20 ft.	11/18/06	N
4	River Shed Bioswale #2	1	10 ft.	02/10/07	N
5	River Shed Bioswale #2	1	10 ft.	02/10/07	N
6	Hogfuel Bioswale #1 A,B	1	10 ft.	1/27/07	N
7	In settling pond by powerhouse	1	20 ft.	1/27/07	N
8	In settling pond by powerhouse	1	20 ft.	1/27/07	N
9	NW of Planer in Ditch	3	10 ft.	02/10/07	N
10	NW of Planer in Ditch	3	10 ft.	02/10/07	N
11	Ahead of Oil/Water Separator #4 A,B	4	10 ft.	2/17/07	Y
12	In of Oil/Water Separator #4 A,B	4	10 ft.	02/10/07	N
13	Ahead of Oil/Water Separator #5	5	10 ft.	2/17/07	Y
14	Ahead of Oil/Water Separator #5	5	20 ft.	2/17/07	Y
15	In of Oil/Water Separator #5	5	20 ft.	2/17/07	Y
16	In Bioswale by truck hoist A,B,C	5	20 ft.	02/03/07	N
17	By Trailer Loader (around drain)	5	20 ft.		drain
18	Ditch before Bioswale by trailer hoist	7	10 ft.	01/08/07	N
19	Ditch beside road before scale yard	5	10 ft.	12/16/06	N
20	Ditch between road and scale yard	5	20 ft.	01/08/07	N
21	Ditch between road and scale yard A,B	5	10 ft.	01/27/07	N
22	Ditch by wood cutting pile	1	30 ft.	01/06/07	N
23	Ditch by wood cutting pile	1	20 ft.	12/30/06	N
24	Ditch by wood cutting pile	1	30 ft.	4/28/06	N
25	Shipping Shed by E33	1	10 ft.	10/21/06	N
26	Shipping Shed by E31	1	30 ft.	10/21/06	N
27	Across from log infeed	5	20 ft.		drain
28	Ditch from Alder plantation A,B	6	10 ft.	11/24/06	N
29	Ditch from Alder plantation A,B	6	10 ft.	12/03/06	N

# Raymond Lumbermill

Weekly Oil Boom Inspection

Inspected by: Gerard Brown

Date : 02/24/07<sup>MPL</sup>

#	Site Location	Outfall #	Boom Size	Date installed	Time to replace (Y/N)
0	In back of outfall #1	0	20	11/04/06	
1	In front of outfall 1 A,B,C	1	30 ft.	02/10/07	N
2	River Shed Bioswale #3	1	10 ft.	2/17/07	N
3	River Shed Bioswale #3	1	20 ft.	11/18/06	N
4	River Shed Bioswale #2	1	10 ft.	02/10/07	N
5	River Shed Bioswale #2	1	10 ft.	02/10/07	N
6	Hogfuel Bioswale #1 A,B	1	10 ft.	1/27/07	N
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14	Ahead of Oil/Water Separator #5	5	20 ft.	2/17/07	N
15	In of Oil/Water Separator #5	5	20 ft.	2/17/07	
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22	Ditch by wood cutting pile	1	30 ft.	01/06/07	N
23	Ditch by wood cutting pile	1	20 ft.	12/30/06	N
24	Ditch by wood cutting pile	1	30 ft.	4/28/06	N
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26	Shipping Shed by E31	1	30 ft.	10/21/06	N
27	Across from log infeed	5	20 ft.		drain
28	Ditch from Alder plantation A,B	6	10 ft.	11/24/06	N
29	Ditch from Alder plantation A,B	6	10 ft.	12/03/06	N
30	Food gate by river	6	10 Ft	6/16/06	N

# Raymond Lumbermill

Weekly Oil Boom Inspection

Inspected by: Gerard Brown

Date: 03/03/07<sup>MPL</sup>

#	Site Location	Outfall #	Boom Size	Date installed	Time to replace (Y/N)
0	In back of outfall #1	0	20	11/04/06	
1	In front of outfall 1 A,B,C	1	30 ft.	03/03/07	Y
2	River Shed Bioswale #3	1	10 ft.	2/17/07	N
3	River Shed Bioswale #3	1	20 ft.	11/18/06	N
4	River Shed Bioswale #2	1	10 ft.	02/10/07	N
5	River Shed Bioswale #2	1	10 ft.	02/10/07	N
6	Hogfuel Bioswale #1 A,B	1	10 ft.	03/03/07	Y
7	In settling pond by powerhouse	1	20 ft.	1/27/07	N
8	In settling pond by powerhouse	1	20 ft.	1/27/07	N
9	NW of Planer in Ditch	3	10 ft.	02/10/07	N
10	NW of Planer in Ditch	3	10 ft.	02/10/07	N
11	Ahead of Oil/Water Separator #4 A,B	4	10 ft.	2/24/07	N
12	In of Oil/Water Separator #4 A,B	4	10 ft.	02/10/07	N
13	Ahead of Oil/Water Separator #5	5	10 ft.	2/17/07	N
14	Ahead of Oil/Water Separator #5	5	20 ft.	2/17/07	N
15	In of Oil/Water Separator #5	5	20 ft.	03/03/07	Y
16	In Bioswale by truck hoist A,B,C	5	20 ft.	03/03/07	Y
17	By Trailer Loader (around drain)	5	20 ft.		drain
18	Ditch before Bioswale by trailer hoist	7	10 ft.	2/24/07	N
19	Ditch beside road before scale yard	5	10 ft.	2/24/07	N
20	Ditch between road and scale yard	5	20 ft.	2/24/07	N
21	Ditch between road and scale yard A,B	5	10 ft.	02/24/07	N
22	Ditch by wood cutting pile	1	30 ft.	01/06/07	N
23	Ditch by wood cutting pile	1	20 ft.	12/30/06	N
24	Ditch by wood cutting pile	1	30 ft.	4/28/06	N
25	Shipping Shed by E33	1	10 ft.	10/21/06	N
26	Shipping Shed by E31	1	30 ft.	10/21/06	N
27	Across from log infeed	5	20 ft.		drain
28	Ditch from Alder plantation A,B	6	10 ft.	11/24/06	N
29	Ditch from Alder plantation A,B	6	10 ft.	12/03/06	N
30	Food gate by river	6	10 Ft	6/16/06	N

# Raymond Lumbermill

Weekly Oil Boom Inspection

Inspected by: Gerard Brown

Date: ~~03/03/07~~ <sup>MPLE</sup> **3.10.07**

#	Site Location	Outfall #	Boom Size	Date installed	Time to replace (Y/N)
0	In back of outfall #1	0	20	11/04/06	
1	In front of outfall 1 A,B,C	1	30 ft.	03/03/07	<del>Y</del> N
2	River Shed Bioswale #3	1	10 ft.	2/17/07	N
3	River Shed Bioswale #3	1	20 ft.	11/18/06	<del>N</del> Y 3/10
4	River Shed Bioswale #2	1	10 ft.	02/10/07	N
5	River Shed Bioswale #2	1	10 ft.	02/10/07	N
6	Hogfuel Bioswale #1 A,B	1	10 ft.	03/03/07	<del>Y</del> N
7	In settling pond by powerhouse	1	20 ft.	1/27/07	N
8	In settling pond by powerhouse	1	20 ft.	1/27/07	N
9	NW of Planer in Ditch	3	10 ft.	02/10/07	N
10	NW of Planer in Ditch	3	10 ft.	02/10/07	N
11	Ahead of Oil/Water Separator #4 A,B	4	10 ft.	2/24/07	<del>N</del> Y 3/10
12	In of Oil/Water Separator #4 A,B	4	10 ft.	02/10/07	N
13	Ahead of Oil/Water Separator #5	5	10 ft.	2/17/07	N
14	Ahead of Oil/Water Separator #5	5	20 ft.	2/17/07	N
15	In of Oil/Water Separator #5	5	20 ft.	03/03/07	<del>Y</del> N
16	In Bioswale by truck hoist A,B,C	5	20 ft.	03/03/07	<del>Y</del> N
17	By Trailer Loader (around drain)	5	20 ft.		drain
18	Ditch before Bioswale by trailer hoist	7	10 ft.	2/24/07	N
19	Ditch beside road before scale yard	5	10 ft.	2/24/07	N
20	Ditch between road and scale yard	5	20 ft.	2/24/07	N
21	Ditch between road and scale yard A,B	5	10 ft.	02/24/07	N
22	Ditch by wood cutting pile	1	30 ft.	01/06/07	N
23	Ditch by wood cutting pile	1	20 ft.	12/30/06	N
24	Ditch by wood cutting pile	1	30 ft.	4/28/06	N
25	Shipping Shed by E33	1	10 ft.	10/21/06	N
26	Shipping Shed by E31	1	30 ft.	10/21/06	N
27	Across from log infeed	5	20 ft.		drain
28	Ditch from Alder plantation A,B	6	10 ft.	11/24/06	N
29	Ditch from Alder plantation A,B	6	10 ft.	12/03/06	N
30	Food gate by river	6	10 Ft	6/16/06	<del>N</del> Y 3/10

# Raymond Lumbermill

Weekly Oil Boom Inspection

Inspected by: Gerard Brown

Date : 03/16/07<sup>MPL</sup>

#	Site Location	Outfall #	Boom Size	Date installed	Time to replace (Y/N)
0	In back of outfall #1	0	20	11/04/06	
1	In front of outfall 1 A,B,C	1	30 ft.	03/03/07	N
2	River Shed Bioswale #3	1	10 ft.	2/17/07	N
3	River Shed Bioswale #3	1	20 ft.	3/10/07	N
4	River Shed Bioswale #2	1	10 ft.	02/10/07	N
5	River Shed Bioswale #2	1	10 ft.	02/10/07	N
6	Hogfuel Bioswale #1 A,B	1	10 ft.	03/03/07	N
7	In settling pond by powerhouse	1	20 ft.	1/27/07	N
8	In settling pond by powerhouse	1	20 ft.	1/27/07	N
9	NW of Planer in Ditch	3	10 ft.	02/10/07	N
10	NW of Planer in Ditch	3	10 ft.	02/10/07	N
11	Ahead of Oil/Water Separator #4 A,B	4	10 ft.	3/11/07	N
12	In of Oil/Water Separator #4 A,B	4	10 ft.	02/10/07	N
13	Ahead of Oil/Water Separator #5	5	10 ft.	2/17/07	N
14	Ahead of Oil/Water Separator #5	5	20 ft.	2/17/07	N
15	In of Oil/Water Separator #5	5	20 ft.	03/03/07	N
16	In Bioswale by truck hoist A,B,C	5	20 ft.	03/03/07	N
17	By Trailer Loader (around drain)	5	20 ft.		drain
18	Ditch before Bioswale by trailer hoist	7	10 ft.	2/24/07	N
19	Ditch beside road before scale yard	5	10 ft.	2/24/07	N
20	Ditch between road and scale yard	5	20 ft.	3/16/07	Y
21	Ditch between road and scale yard A,B	5	10 ft.	03/16/07	Y
22	Ditch by wood cutting pile	1	30 ft.	01/06/07	N
23	Ditch by wood cutting pile	1	20 ft.	12/30/06	N
24	Ditch by wood cutting pile	1	30 ft.	4/28/06	N
25	Shipping Shed by E33	1	10 ft.	10/21/06	N
26	Shipping Shed by E31	1	30 ft.	10/21/06	N
27	Across from log infeed	5	20 ft.		drain
28	Ditch from Alder plantation A,B	6	10 ft	11/24/06	N
29	Ditch from Alder plantation A,B	6	10 ft	12/03/06	N
30	Food gate by river	6	10 Ft	3/10/07	N

# Raymond Lumbermill

Weekly Oil Boom Inspection

Inspected by: Gerard Brown

Date: 03/17/07<sup>MPLE</sup>

#	Site Location	Outfall #	Boom Size	Date installed	Time to replace (Y/N)
0	In back of outfall #1	0	20	11/04/06	
1	In front of outfall 1 A,B,C	1	30 ft.	03/03/07	N
2	River Shed Bioswale #3	1	10 ft.	2/17/07	N
3	River Shed Bioswale #3	1	20 ft.	3/10/07	N
4	River Shed Bioswale #2	1	10 ft.	02/10/07	N
5	River Shed Bioswale #2	1	10 ft.	02/10/07	N
6	Hogfuel Bioswale #1 A,B	1	10 ft.	03/17/07	Y
7	In settling pond by powerhouse	1	20 ft.	1/27/07	N
8	In settling pond by powerhouse	1	20 ft.	1/27/07	N
9	NW of Planer in Ditch	3	10 ft.	02/10/07	N
10	NW of Planer in Ditch	3	10 ft.	02/10/07	N
11	Ahead of Oil/Water Separator #4 A,B	4	10 ft.	3/17/07	Y
12	In of Oil/Water Separator #4 A,B	4	10 ft.	02/10/07	N
13	Ahead of Oil/Water Separator #5	5	10 ft.	3/17/07	Y
14	Ahead of Oil/Water Separator #5	5	20 ft.	2/17/07	N
15	In of Oil/Water Separator #5	5	20 ft.	03/03/07	N
16	In Bioswale by truck hoist A,B,C	5	20 ft.	03/17/07	Y
17	By Trailer Loader (around drain)	5	20 ft.		drain
18	Ditch before Bioswale by trailer hoist	7	10 ft.	2/24/07	N
19	Ditch beside road before scale yard	5	10 ft.	2/24/07	N
20	Ditch between road and scale yard	5	20 ft.	3/16/07	N
21	Ditch between road and scale yard A,B	5	10 ft.	03/16/07	N
22	Ditch by wood cutting pile	1	30 ft.	01/06/07	N
23	Ditch by wood cutting pile	1	20 ft.	12/30/06	N
24	Ditch by wood cutting pile	1	30 ft.	4/28/06	N
25	Shipping Shed by E33	1	10 ft.	10/21/06	N
26	Shipping Shed by E31	1	30 ft.	10/21/06	N
27	Across from log infeed	5	20 ft.		drain
28	Ditch from Alder plantation A,B	6	10 ft.	11/24/06	N
29	Ditch from Alder plantation A,B	6	10 ft.	03/17/07	Y
30	Food gate by river	6	10 Ft	3/10/07	N

# Raymond Lumbermill

Weekly Oil Boom Inspection

Inspected by: Gerard Brown

Date : 03/24/07<sup>MPL</sup>

#	Site Location	Outfall #	Boom Size	Date installed	Time to replace (Y/N)
0	In back of outfall #1	0	20	11/04/06	
1	In front of outfall 1 A,B,C	1	30 ft.	03/24/07	Y
2	River Shed Bioswale #3	1	10 ft.	2/17/07	N
3	River Shed Bioswale #3	1	20 ft.	3/10/07	N
4	River Shed Bioswale #2	1	10 ft.	02/10/07	N
5	River Shed Bioswale #2	1	10 ft.	02/10/07	N
6	Hogfuel Bioswale #1 A,B	1	10 ft.	03/17/07	N
7	In settling pond by powerhouse	1	20 ft.	1/27/07	N
8	In settling pond by powerhouse	1	20 ft.	1/27/07	N
9	NW of Planer in Ditch	3	10 ft.	02/10/07	N
10	NW of Planer in Ditch	3	10 ft.	02/10/07	N
11	Ahead of Oil/Water Separator #4 A,B	4	10 ft.	3/17/07	N
12	In of Oil/Water Separator #4 A,B	4	10 ft.	02/10/07	N
13	Ahead of Oil/Water Separator #5	5	10 ft.	3/24/07	Y
14	Ahead of Oil/Water Separator #5	5	20 ft.	2/17/07	N
15	In of Oil/Water Separator #5 A,B	5	20 ft.	03/03/07	N
16	In Bioswale by truck hoist A,B,C	5	20 ft.	03/24/07	Y
17	By Trailer Loader (around drain)	5	20 ft.		drain
18	Ditch before Bioswale by trailer hoist	7	10 ft.	3/24/07	Y
19	Ditch beside road before scale yard	5	10 ft.	2/24/07	N
20	Ditch between road and scale yard	5	20 ft.	3/24/07	Y
21	Ditch between road and scale yard A,B	5	10 ft.	03/24/07	Y
22	Ditch by wood cutting pile	1	30 ft.	01/06/07	N
23	Ditch by wood cutting pile	1	20 ft.	12/30/06	N
24	Ditch by wood cutting pile	1	30 ft.	4/28/06	N
25	Shipping Shed by E33	1	10 ft.	3/24/07	Y
26	Shipping Shed by E31	1	30 ft.	3/24/07	Y
27	Across from log infeed	5	20 ft.		drain
28	Ditch from Alder plantation A,B	6	10 ft.	11/24/06	N
29	Ditch from Alder plantation A,B	6	10 ft.	03/17/07	N
30	Food gate by river	6	10 Ft	3/10/07	N

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# Raymond Lumbermill

## Weekly Oil Boom Inspection

Inspected by: Gerard Brown

Date : 03/31/07<sup>MPL</sup>

#	Site Location	Outfall #	Boom Size	Date installed	Time to replace (Y/N)
0	In back of outfall #1	0	20	11/04/06	
1	In front of outfall 1 A,B,C	1	30 ft.	03/24/07	N
2	River Shed Bioswale #3	1	10 ft.	2/17/07	N
3	River Shed Bioswale #3	1	20 ft.	3/10/07	N
4	River Shed Bioswale #2	1	10 ft.	02/10/07	N
5	River Shed Bioswale #2	1	10 ft.	02/10/07	N
6	Hogfuel Bioswale #1 A,B	1	10 ft.	03/17/07	N
7	In settling pond by powerhouse	1	20 ft.	1/27/07	N
8	In settling pond by powerhouse	1	20 ft.	1/27/07	N
9	NW of Planer in Ditch	3	10 ft.	02/10/07	N
10	NW of Planer in Ditch	3	10 ft.	02/10/07	N
11	Ahead of Oil/Water Separator #4 A,B	4	10 ft.	3/31/07	Y
12	In of Oil/Water Separator #4 A,B	4	10 ft.	03/31/07	Y
13	Ahead of Oil/Water Separator #5	5	10 ft.	3/24/07	N
14	Ahead of Oil/Water Separator #5	5	20 ft.	2/17/07	N
15	In of Oil/Water Separator #5	5	20 ft.	03/03/07	N
16	In Bioswale by truck hoist A,B,C	5	20 ft.	03/24/07	N
17	By Trailer Loader (around drain)	5	20 ft.		drain
18	Ditch before Bioswale by trailer hoist	7	10 ft.	3/24/07	N
19	Ditch beside road before scale yard	5	10 ft.	2/24/07	N
20	Ditch between road and scale yard	5	20 ft.	3/24/07	N
21	Ditch between road and scale yard A,B	5	10 ft.	03/24/07	N
22	Ditch by wood cutting pile	1	30 ft.	01/06/07	N
23	Ditch by wood cutting pile	1	20 ft.	12/30/06	N
24	Ditch by wood cutting pile	1	30 ft.	4/28/06	N
25	Shipping Shed by E33	1	10 ft.	3/24/07	N
26	Shipping Shed by E31	1	30 ft.	3/24/07	N
27	Across from log infeed	5	20 ft.		drain
28	Ditch from Alder plantation A,B	6	10 ft.	11/24/06	N
29	Ditch from Alder plantation A,B	6	10 ft.	03/17/07	N
30	Food gate by river	6	10 Ft	3/10/07	N

# Raymond Lumbermill

## Weekly Oil Boom Inspection

#	Site Location	Outfall #	Filter	Date installed	Time to replace (Y/N)
1	Drain by Carrier Shop	1	Filter		
2	By Sawmill Stacker	5	Filter.		
3	By Sawmill Autobuck	5	Filter		
4	By Safe Walkway	5	Filter		
5	Added booms to river behind #5 oil/water sep.	1	Filter.	03/31/07	Y
6	Added boom to side of #16 bioswale	1	Filter	11/11/06	N