



Oregon Water Resources Department
 725 Summer Street NE, Suite A
 Salem, Oregon 97301
 (503) 986-0900
 www.wrd.state.or.us

Ownership Update For Certificated Rights Only

NO FEES ARE REQUIRED TO SUBMIT THIS FORM

NOTICE: A certificate of water right typically stays with the land. In order to track water right ownership, the Department requests that this form be submitted to the Department. **To update multiple rights, a separate form is required for each right.**

If you have any questions about this form, please contact your local watermaster, or call the Water Resources Department at (503) 986-0900.

This form is not for Applications, Permits, Transfers, Groundwater Registrations, or Limited Licenses. To notify the Department of changes in ownership to these types of authorizations, an Assignment is required.

Current Landowner Information

Name: Boise Cascade Wood Products, L.L.C.

Mailing Address: PO Box 50

City: Boise State: ID Zip: 83728

Phone (Home): _____ Work: 208-384-4918 Other: _____

Property Description

County: Union Township: 01N Range: 39E Section: *

Taxlot Number(s): * please see attached

Street Address of water right property: 90 S. 21st St., Elgin, OR 97827

Water Right Information: Application: R - 54682 Permit: R - 6481 Certificate #: 58876

Are all the lands associated with this water right owned by the requester? Yes No _____ If No, include a map showing the portion of the right involved.

Name of individual completing this form: Jill Twedt, VP & Corp. Secretary Phone: 208-384-4924

Signature of requestor:  Date: 2/14/18

The Department does not change names on certificates. This form will be placed in the file for future reference only. The Department does not provide acknowledgment that this form has been received.

RECEIVED

WR
 FEB 16 2018

CWRD

**Property Description for
Ownership Update For Certificate #58876**

T1N R39E Section15 Lot 400

T1N R39E Section 15 Lot 701

T1N R39E Section 15 Lots 800 & 802

T1N R39E Section 15DC Lot 2500

T1N R39E Section 15CB Lots 1100 & 1101

T1N R39E Section 15DC Lot 1400

T1N R39E Section 16 Lot 400

T1N R39E Section 16 Lot 1000

T1N R39E Section 16 Lot 4703

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FEB 16 2018

OWRD

Boise Cascade Company
Legal Department
1111 West Jefferson Street, Suite 300
PO Box 50 Boise, ID 83728
T 208 384 4922 F 208 384 6566
reginaleone@bc.com



Regina (Reggy) Leone, CP
Certified Paralegal

Via FedEx #7714-9008-6154

February 15, 2018

Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, OR 97301

Subject: Ownership Update for Certificate #58876

Please find enclosed an original, signed ownership update form for Certificate #58876, for Boise Cascade Wood Products, L.L.C.

Thank you for filing this form for future reference. If you need further information or have any questions, please email or call.

Sincerely,



Regina (Reggy) Leone, CP
Certified Paralegal

cc: Russell Strader
Steve McKenney

Enclosure

RECEIVED

FEB 16 2018

OWRD

STATE OF OREGON

COUNTY OF UNION

PROPOSED CERTIFICATE OF WATER RIGHT

BOISE CASCADE CORPORATION, TIMBER AND WOOD PRODUCTS GROUP, of P.O. BOX 610, LA GRANDE, OREGON 97850, has constructed a reservoir to store the waters of UNNAMED SPRINGS AND PROCESS WASTE WATER, a tributary of PHILLIPS CREEK, APPROPRIATED UNDER PERMIT 40678, for the purpose of LOG DECK SPRINKLING INCLUDING EVAPORATIVE DISPOSAL.

The right to store these waters has been perfected under Reservoir Permit R-6481. The date of priority is AUGUST 18, 1976. The amount of water entitled to be stored each year under such right is not more than 130.8 ACRE-FEET.

The reservoir is located as follows:

S 1/2 SE 1/4
SECTION 16
TOWNSHIP 1 NORTH, RANGE 39 EAST, W.M.

The dam is to be operated and maintained in accordance with the approved plans and specifications on file with the Water Resources Department.

The right to store and use the water for the above purpose is restricted to beneficial use at the place of use described.

R-54682

DATE 7/11/88

MEMO

TO: Certificate Section

FROM: Dam Safety

RE: File R- 54682
Elgin Mill Treatment Lagoon

We recommend approval for 130⁸ acre-feet.

Please include the following statement on the certificate:

"The dam is to be operated and maintained in accordance to the approved plans and specifications."

Howard Daggett

PERS. R-6481 - 40678

INFO: NEIL WAXBOM - BOISE CASCADE 90 SOUTH 22ND ST. ELGIN, ORE.

THE RESEVOIR IS EARTHEN CONSTRUCTION WITH RIP RAP ROCK ABOUT 1 1/2" TO 2" SIZE. AT THIS TIME THE RES. IS HIGHER THAN NORMAL DUE TO HIGH RUNOFF AND DEQ WILL NOT ALLOW THEM TO RELEASE ANY HE CLAIMED. THEY HAVE SAND BAGS ALONG THE NORTH 100' OF THE WEST EDGE TO CONTAIN THE WATER. THERE IS NO SPILLWAY OR RELEASE APPARATUS. WATER IS PUMPED OUT TO IRRIGATE LOG DECKS WEST AND NORTH OF MILL. THEY ALSO OWN 37 ACRES SOUTH OF RESEVOIR THAT THEY LEASE OUT. THIS LAND IS SPRINKLED FROM RES. THE SOURCES FOR THE RESEVOIR ARE; SPRINGS LOCATED IN RESEVOIR, AND WASTE WATER FROM THE MILL AND RUNOFF FROM SPRINGS UNDER LOG DECK AREA. WASTE WATER RUNS TO LIFT STATION THROUGH A 36" AND A 18" 6I. CULVERT PIPES THAT DUMP INTO CONCRETE BOX W/SCREENS. SOLID DEBRIS IS LIFTED OUT AND 2 WESTINGHOUSE PUMPS LIFT WATER TO RES. IT CAN PUMP 2000 GPM MAX W/BOTH PUMPS. WASTE WATER FLOWS INTO SETTLING POND AND THEN INTO RESEVOIR. A 12" PIPE BRING WATER BACK DOWN FROM RESEVOIR, GRAVITY FLOW TO A BOOSTER STA. W/100 H.P. ^{1000GPM} PUMP TO RUN DECK SPRINKLERS. RISERS RUN AROUND EDGES OF DECK AREA. DECK SPRINKLING IS BY HANDLINE. WASTE WATER IS ALSO DISPOSED OF THROUGH EVAPORATION FROM RESEVOIR SURFACE.

LIFT STA. 2 WESTINGHOUSE 40 H.P. @ 1765 RPM W/WORTHINGTON PUMPS 6" DISCH.
2000gpm max with both
1600gpm one.

BOOSTER STA. 100 H.P. W CDO PUMP 8" X 6" 1900gpm Max

MAINLINE - BURIED STEEL 8". APPROX 7500' - PORT.

8" ALUM PORTABLE 1280'

6" ALUM PORTABLE 440'

4" ALUM PORTABLE 2240'

HANDLINE

3" ALUM W/RB 4H @ 1/64 20 SECTIONS
2" ALUM W/RB 4H @ 1/64 250+ SECTIONS.

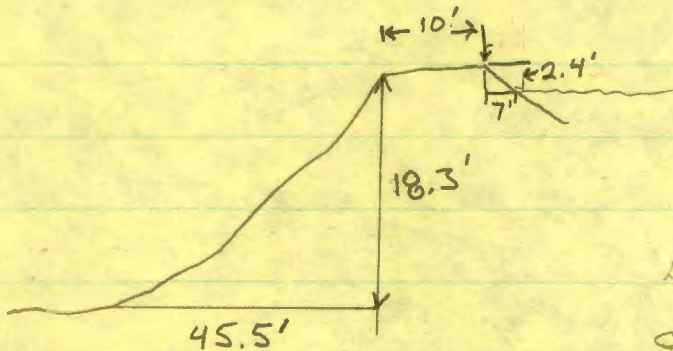
LIFT - TO RESEVOIR - + 30'
- 30 FROM RESEVOIR TO BOOSTER.
+ 10 MAX FROM BOOSTER.

This
File
needs
something
printed
EP

USE: STORAGE OF WASTE WATER AND USE OF WASTE WATER FOR LOG DECK
SPRINKLING AND IRRIGATION.

TIE: PHOTOS 267R, 267L, PPTS-1986-PA1.

RESEVOIR LEVELS' - SOUTH EDGE - HIGHEST.



small res 4th acres

big res 1/4th acres

Area 12 x 18.1 x A = ~~86.9~~ 130.3 ^{est} with flat

Q_{PUMP} $\frac{100(6.6)}{1.1(2.2)(55)+10} = 4.41$

Q_{HEAD} 1900 gpm = 4.2

Q_{ALLOW} 3.0

bottom lagoon
of this type
0.6 factor
is realistic.

HD

V.L. CHURCH By J.R. Sauter
W.R.E. 5-22-86 ENG. TECH.

Note: The water was so bad you could not see more than 6" into
it, V.L.C.

5-22-86
VLC-JRS
PTS-1986-AAI
2672

267R

Abstract of Permit No. R-6481

Application No. ~~R-4682~~ Certificate No.

Name Boise Cascade Corporation,
Timber & Wood Products Group
Address P. O. Box 610
LaGrande, Oregon 97850
Source of water supply Springs and Process Waste Water

Use Storage in a reservoir to be appropriated under Application No. 54683,
Permit No. R-40678, for log deck sprinkling and evaporative disposal
Point of diversion DAM LOCATED: SW $\frac{1}{2}$ SE $\frac{1}{2}$ sec.16, T.1N., R. 39E., W.M.; Union County

Number of acres

DESCRIPTION OF LAND TO BE IRRIGATED OR PLACE OF USE

Twp.	Range	Sec.	NE $\frac{1}{4}$				NW $\frac{1}{4}$				SW $\frac{1}{4}$				SE $\frac{1}{4}$			
			NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$
			RESERVOIR LOCATED:															
1 N	39 E	-16																X

Priority date. August 18, 1976

Amount of water ~~130~~ 8 a.f.

Time limit to begin construction 9-1-77

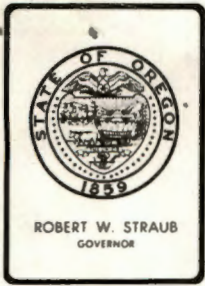
Time limit to complete construction 10-1-78 extended to

Time limit to completely apply water extended to extended to

Remarks:

37 some 11-1-78
10-1-78
10-1-78
10-1-78

cgm
Phillips Creek & Truce
Basin 8, Volume 3A



Water Resources Department

MILL CREEK OFFICE PARK

555 13th STREET N.E., SALEM, OREGON 97310

PHONE 378-8508

File R-54682
54683

October 28, 1977

Boise Cascade
Timber & Wood Products Group
NE Oregon Region
P.O. Box 610
La Grande, OR 97850

ATTENTION: Lynn Ashlock, Office Manager II

Dear Ms. Ashlock,

Thank you for your letter of October 18, 1977 regarding the status of your water right permits numbered R-6481 and 40678.

The cards were sent to you in error and I apologize for the oversight.

Just as soon as the water is used as allowed in the permits, please advise us.

Sincerely,

Thomas E. Shook
Water Rights Engineer

TES:jt



Boise Cascade

Timber and Wood Products Group

Northeast Oregon Region
P. O. Box 610
La Grande, Oregon 97850
(503) 963-3141

RECEIVED

OCT 20 1977

WATER RESOURCES DEPT
SALEM, OREGON

October 18, 1977

State of Oregon
Water Resources Department
1178 Chemeheta St. N.E.
Salem, OR 97301

Gentlemen:

Please note the copies enclosed with this letter. We received A-Form 90 requesting a notice of beginning of construction on R-6481 and 40678 (copy enclosed).

Please see copy of the notice of beginning of construction for both permits enclosed and noted as being send 9-9-76.

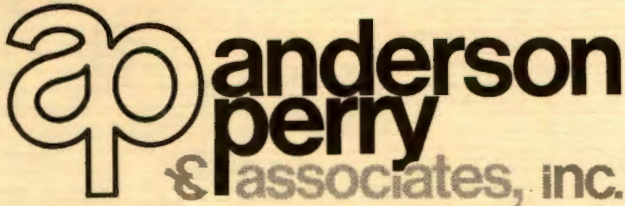
A copy of Form 118 is also enclosed for your convenience whereby we received acknowledgement of our notice of beginning of construction for the permits.

If these copies do not clear up the matter, please do not hesitate to call or request further information.

Sincerely,

Lynn Ashlock
Office Mgr. II

Encl



STEPHEN C. ANDERSON P.E. PRES.
HOWARD L. PERRY P.E. SEC./TREAS.

September 14, 1976
Job No. 1013

RECEIVED
SEP 15 1976
WATER RESOURCES DEPT
SALEM, OREGON

Water Resources Department
1178 Chemeketa Street N.E.
Salem, Oregon 97310

Attention: G.L. Oberholtzer

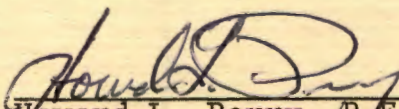
As per our phone conversation of September 14, 1976, this letter is written to describe our involvement in construction inspection of the Boise Cascade Elgin Mill Wastewater Lagoon.

We have performed nearly continuous inspection of the project since construction began around the middle of August. The Lagoon has been constructed generally in accordance with the plans and specifications. Copies of in-place density tests are included within for your review. The only major modification to the plans was some additional excavation in the bottom of the Lagoon in order to obtain additional clay material to complete the dikes. The depth of the Lagoon in the South West Section is approximately two feet deeper than the finish grade shown on the plans.

It is our opinion that the project has been constructed in accordance with the approved plans and specifications.

Should you need additional information, please let me know.

Very truly yours,


Howard L. Perry, P.E.

HLP/kb

CC: Neil Imeson, Boise Cascade
Boyd Hadden, Watermaster

engineering

• surveying

• materials testing

MAIN OFFICE
BRANCH OFFICE

P.O. BOX 1301 (1901 FIR ST.) LA GRANDE, OREGON 97850
P.O. BOX 268 ENTERPRISE, OREGON 97828

(503) 963-8309
(503) 426-4085

IN-PLACE DENSITY TEST RESULTS

ANDERSON . PERRY & ASSOCIATES
 Consulting Civil Engineers
 La Grande, Oregon

PROJECT: Boise Cascade Lagoon at Elgin

JOB NO. 1013
 Date Reported: 9-8-76

Test No.	Date Tested	<u>In-place</u>		<u>Laboratory</u>			REMARKS
		Moisture Content %	Density lb/cu. ft.	Optimum Moisture Content %	Density lb/cu. ft.	Percent Compaction	
56	9-7-76 am	11.8%	109.5	16.2%	110.5	99.1%	OK
57	9-7-76 am	14.7%	100.6	16.2%	110.5	91.1%	OK

LOCATION OF TESTS

<u>Test #</u>	<u>Location</u>	<u>Elevation</u>	<u>Soil Type</u>
56	10' East of A-11, on the slope	2766 ⁰	Cemented Gravel
57	20' East , 10' South of D-13 on the slope	2769 ⁰	Cemented Gravel

by Howard Boyge
 Project Engineer

IN-PLACE DENSITY TEST RESULTS

ANDERSON · PERRY & ASSOCIATES
Consulting Civil Engineers
La Grande, Oregon

PROJECT: Boise Cascade Lagoon at Elgin

JOB NO. 1013
Date Reported: 9-7-76

Test No.	Date Tested	<u>In-place</u>		<u>Laboratory</u>			REMARKS
		Moisture Content %	Density lb/cu. ft.	Optimum Moisture Content %	Density lb/cu. ft.	Percent Compaction	
52	9-3-76 pm	25.3%	88.9%	28.2%	90.1	98.7%	OK
53	9-3-76 pm	28.9%	83.4%	30.4%	88.6	94.1%	OK
54	9-3-76 pm	27.5%	88.7%	30.4%	88.6	100.1%	OK
55	9-3-76 pm	25.5%	95.0%	30.4%	88.6	107.2%	OK

LOCATION OF TESTS

<u>Test #</u>	<u>Location</u>	<u>Elevation</u>	<u>Soil Type</u>
52	25' South of B-6 on Slope	2766 ⁰	Brown Silty Clay
53	50' South of E-5 on slope	2765 ⁰	Dark Brown Clay
54	35' South of F-4 on slope	2768 ⁰	Dark Brown Clay
55	30' North of F-3, top of clay	2773 ⁰	Dark Brown Clay

by Howard Berge
Project Engineer

IN-PLACE DENSITY TEST RESULTS

ANDERSON · PERRY & ASSOCIATES
 Consulting Civil Engineers
 La Grande, Oregon

PROJECT: Boise Cascade Lagoon at Elgin

JOB NO. 1013
 Date Reported: 9-2-76

Test No.	Date Tested	<u>In-place</u>		<u>Laboratory</u>			REMARKS
		Moisture Content %	Density lb/cu. ft.	Optimum Moisture Content %	Density lb/cu. ft.	Percent Compaction	
50	9-2-76 am	20.9%	98.9	30.4%	88.6	110.8%	High - Low Moisture
51	9-2-76 am	15.0%	87.5	30.4%	88.6	98.8%	O.K. - Low Moisture

LOCATION OF TESTS

<u>Test #</u>	<u>Location</u>	<u>Elevation</u>	<u>Soil Type</u>
50	40' North, 50' West of D-4	2770 ⁰	Dark Brown Clay
51	30' North, 10' East of F-3	2767 ⁰	Dark Brown Clay

by Howard Boyge
 Project Engineer

IN-PLACE DENSITY TEST RESULTS

ANDERSON · PERRY & ASSOCIATES
 Consulting Civil Engineers
 La Grande, Oregon


PROJECT: Boise Cascade Lagoon at Elgin

JOB NO. 1013
 Date Reported: 9-1-76

Test No.	Date Tested	<u>In-place</u>		<u>Laboratory</u>			REMARKS
		Moisture Content %	Density lb/cu. ft.	Optimum Moisture Content %	Density lb/cu. ft.	Percent Compaction	
48	9-1-76 am	15.3%	97.5	28.2%	90.1	108.2%	Low Moisture Content
49	9-1-76 am	22.2%	85.3	28.2%	90.1	94.6%	Low Moisture Content

LOCATION OF TESTS

<u>Test #</u>	<u>Location</u>	<u>Elevation</u>	<u>Soil Type</u>
48	20' South, 20' West of F-3	2768 ⁰	Brown Silty Clay
49	50' South, 40' West of D-5	2768 ⁰	Brown Silty Clay


 by _____
 Project Engineer

IN-PLACE DENSITY TEST RESULTS

ANDERSON · PERRY & ASSOCIATES
Consulting Civil Engineers
La Grande, Oregon

PROJECT: Boise Cascade Lagoon at Elgin

JOB NO. 1013
Date Reported: 8-31-76

Test No.	Date Tested	<u>In-place</u>		<u>Laboratory</u>			REMARKS
		Moisture Content %	Density lb/cu. ft.	Optimum Moisture Content %	Density lb/cu. ft.	Percent Compaction	
45	8-31-76 am	12.3%	106.1	16.2%	110.5	96%	OK
46	8-31-76 am	15.0%	101.0	16.2%	110.5	91.4%	OK
47	8-31-76 am	16.8%	95.6	28.2%	90.1	106.1%	Low Moisture Content

LOCATION OF TESTS

Test #	Location	Elevation	Soil Type
45	30' South, 20' East of D-6 on the slope	2764 ⁰	Cemented Gravel
46	15' North, 35' East of A-9 on the slope	2769 ⁰	Cemented Gravel
47	30' North of G-2	2769 ⁽¹⁾	Brown Silty Clay (a few rocks 0"-3/4")

by Thomas W. Perry
Project Engineer

IN-PLACE DENSITY TEST RESULTS

ANDERSON · PERRY & ASSOCIATES
 Consulting Civil Engineers
 La Grande, Oregon

PROJECT: Boise Cascade Lagoon at Elgin

JOB NO. 1013
 Date Reported: 8-30-76

Test No.	Date Tested	<u>In-place</u>		<u>Laboratory</u>			REMARKS
		Moisture Content %	Density lb/cu. ft.	Optimum Moisture Content %	Density lb/cu. ft.	Percent Compaction	
43	8-30-76 am	13.2%	95.3	16.2%	110.5	86.3%	Low
44	8-30-76 am	22.5%	84.0	28.2%	90.1	93.2%	OK

LOCATION OF TESTS

<u>Test #</u>	<u>Location</u>	<u>Elevation</u>	<u>Soil Type</u>
43	30' South of D-6(on the slope)	2764 ⁰	Cemented Gravel
44	20' South of F-3	2765 ⁰	Brown Silty Clay

by *Howard Berger*
 Project Engineer

IN-PLACE DENSITY TEST RESULTS

ANDERSON · PERRY & ASSOCIATES
Consulting Civil Engineers
La Grande, Oregon

PROJECT: Boise Cascade Lagoon at Elgin

JOB NO. 1013
Date Reported: 8-30-76

Test No.	Date Tested	<u>In-place</u>		<u>Laboratory</u>			REMARKS
		Moisture Content %	Density lb/cu. ft.	Optimum Moisture Content %	Density lb/cu. ft.	Percent Compaction	
38	8-27-76 am	16.0%	100.8	16.2%	110.5	91.2%	OK
39	8-27-76 am	20.5%	91.2	16.2%	110.5	82.5%	Low
40	8-27-76 am	14.0%	106.1	16.2%	110.5	96.0%	OK
41	8-27-76 pm	18.5%	100.3	16.2%	110.5	90.7%	OK
42	8-27-76 pm	19.7%	92.9	28.2%	90.1	103.1%	OK

LOCATION OF TESTS

<u>Test #</u>	<u>Location</u>	<u>Elevation</u>	<u>Soil Type</u>
38	30' South, 10' West of C-6	2763 ⁰	Cemented Gravel
39	20' North, 30' West of D-5	2763 ⁰	Cemented Gravel
40	25' North of A-6	2766 ⁵	Cemented Gravel
41	20' South of D-5	2765 ⁰	Cemented Gravel
42	50' West, 35' South of A-6	2769 ⁰	Brown Silty Clay

by *W. C. Meyer*
Project Engineer

IN-PLACE DENSITY TEST RESULTS

ANDERSON . PERRY & ASSOCIATES
 Consulting Civil Engineers
 La Grande, Oregon


PROJECT: Boise Cascade Lagoon at Elgin

JOB NO. 1013
 Date Reported: _____

Test No.	Date Tested	<u>In-place</u>		<u>Laboratory</u>			REMARKS
		Moisture Content %	Density lb/cu. ft.	Optimum Moisture Content %	Density lb/cu. ft.	Percent Compaction	
33	8-26-76 am	32.7%	84.5	30.4	88.6	95.3%	OK
34	8-26-76 am	30.1%	86.4	30.4	88.6	97.5%	OK
35	8-26-76 am	25.8%	88.6	28.2	90.1	98.4%	OK
36	8-26-76 am	25.9%	86.4	28.2	90.1	95.9%	OK
37	8-26-76 am	20.2%	93.8	28.2	90.1	104.1%	OK

LOCATION OF TESTS

Test #	Location	Elevation	Soil Type
33	40' East of E-4	2761 ⁰	Dark Brown Clay
34	10' East of A-12	2773 ⁰	Dark Brown Clay
35	30' East, 10' South of B-13	2773 ⁰	Brown Silty Clay
36	10' North of B-5	2758 ⁰	Brown Silty Clay
37	25' East & 15' South of A-6	2766 ⁰	Brown Silty Clay

by 
 Project Engineer

IN-PLACE DENSITY TEST RESULTS

ANDERSON . PERRY & ASSOCIATES
Consulting Civil Engineers
La Grande, Oregon

PROJECT: Boise Cascade Lagoon at Elgin

JOB NO. 1013
Date Reported: 8-26-76

Test No.	Date Tested	<u>In-place</u>		<u>Laboratory</u>			REMARKS
		Moisture Content %	Density lb/cu. ft.	Optimum Moisture Content %	Density lb/cu. ft.	Percent Compaction	
28	8-25-76am	18.7%	100.0	28.2%	90.1	110.9%	High
29	8-25-76 am	28.5%	87.4	30.4%	88.6	98.6%	OK
30	8-25-76am	25.1%	88.3	30.4%	88.6	99.7%	OK
31	8-25-76pm	26.1%	94.7	28.2%	90.1	105.1%	High
32	8-25-76pm	31.4%	88.2	28.2%	90.1	97.9%	OK

LOCATION OF TESTS

Test #	Location	Elevation	Soil Type
28	40' East, 15' South of H-7	2770 ⁰	Brown Silty Clay
29	70' East of A-6	2768 ⁰	Dark Brown Clay
30	45' East, 30' North of A-10	2773 ⁰	Dark Brown Clay
31	65' East of A-6	2770 ⁰	Brown Silty Clay
32	20' South of D-5	2758 ⁰	Brown Silty Clay

by 
Project Engineer

IN-PLACE DENSITY TEST RESULTS

ANDERSON · PERRY & ASSOCIATES
Consulting Civil Engineers
La Grande, Oregon

PROJECT: Boise Cascade Lagoon at Elgin

JOB NO. 1013
Date Reported: 8-25-76

Test No.	Date Tested	<u>In-place</u>		<u>Laboratory</u>			REMARKS
		Moisture Content %	Density lb/cu. ft.	Optimum Moisture Content %	Density lb/cu. ft.	Percent Compaction	
22	8-24-76 am	27.7%	84.4	28.2%	90.1	93.7%	OK
23	8-24-76 am	30.6%	89.1	28.2%	90.1	98.8%	OK
24	8-24-76 am	28.9%	86.1	30.4%	88.6	97.2%	OK
25	8-24-76 am	29.5%	82.8	28.2%	90.1	91.9%	OK
26	8-24-76 pm	23.0%	90.3	30.4%	88.6	101.9%	OK
27	8-24-76 pm	33.0%	83.2	28.2%	90.1	92.4%	OK

LOCATION OF TESTS

Test #	Location	Elevation	Soil Type
22	30' East of A-10	2767 ⁰	Brown Silty Clay
23	45' East of A-9	2768 ⁰	Brown Silty Clay
24	30' North, 50' East of A-7	2762 ⁰	Dark Brown Clay
25	H-2	2770 ⁰	Brown Silty Clay
26	30' East of D-13 (On the Slope)	2770 ⁰	Dark Brown Clay
27	40' East of A-7	2766 ⁰	Brown Silty Clay

by 
Project Engineer

IN-PLACE DENSITY TEST RESULTS

ANDERSON · PERRY & ASSOCIATES
 Consulting Civil Engineers
 La Grande, Oregon

PROJECT: Boise Cascade Lagoon at Elgin

JOB NO. 1013
 Date Reported: 8-23-76

Test No.	Date Tested	<u>In-place</u>		<u>Laboratory</u>			REMARKS
		Moisture Content %	Density lb/cu. ft.	Optimum Moisture Content %	Density lb/cu. ft.	Percent Compaction	
17	8-23-76 am	26.6%	92.0	30.4%	88.6	103.9%	OK
18	8-23-76 am	30.1%	91.2	28.2%	90.1	101.1%	OK
19	8-23-76 am	32.7%	88.0	28.2%	90.1	97.7%	OK
20	8-23-76 pm	27.4%	85.3	28.2%	90.1	94.7%	OK
21	8-23-76 pm	27.4%	82.5				Invalid Test

LOCATION OF TESTS

<u>Test #</u>	<u>Location</u>	<u>Elevation</u>	<u>Soil Type</u>
17	10' South of H-2	2764 ⁵	Dark Brown Clay
18	15' South of G-2	2764 ⁰	Brown Silty Clay
19	25' North of F-3	2763 ⁰	Brown Silty Clay
20	35' South of G-3 On The Slope	2763 ⁵	Brown Silty Clay
21	40' East of D-13 On The Slope	2770 ⁰	Invalid Test

by _____
 Project Engineer

IN-PLACE DENSITY TEST RESULTS

ANDERSON • PERRY & ASSOCIATES
Consulting Civil Engineers
La Grande, Oregon

PROJECT: BOISE CASCADE FACILITY (ELGIN)

JOB NO. 1713
Date Reported: 8-21-76

Test No.	Date Tested	In-place		Laboratory			REMARKS
		Moisture Content %	Density lb/cu. ft.	Optimum Moisture Content %	Density lb/cu. ft.	Percent Compaction	
10	8-20-76	27.6%	80.1	28.2%	90.1	88.9%	LOW
11	8-20-76	29.7%	74.9	28.2%	90.1	83.3%	LOW
12	8-20-76	28.2%	71.8	30.4%	88.6	81.0%	LOW
13	8-20-76	27.1%	77.4	28.2%	90.1	85.9%	LOW RETAKE OF #11
14	8-20-76	28.5%	78.1	30.4%	88.6	88.1%	LOW RETAKE OF #12
15	8-20-76	23.7%	92.7	30.4%	88.6	104.6%	HIGH
16	8-20-76	28.5%	86.0	28.2%	90.1	97.7%	OK RETAKE OF #10

LOCATION OF TESTS

TEST #	LOCATION	ELEVATION	SOIL TYPE
10	60 NORTH, SSEAST OF C-12	2772	BROWN SILTY CLAY
11	30' WEST (ON SLOPE) OF F-13	2771	BROWN SILTY CLAY
12	10' NORTH OF H-2	2762	DARK BROWN CLAY
13	10' NORTH (ON SLOPE) OF F-12	2771	BROWN SILTY CLAY
14	H-2	2764	DARK BROWN CLAY
15	10' SOUTH OF G-2	2762	DARK BROWN CLAY
16	10' NORTH OF D-13	2772	BROWN SILTY CLAY

by _____
Project Engineer

IN-PLACE DENSITY TEST RESULTS

ANDERSON · PERRY & ASSOCIATES
Consulting Civil Engineers
La Grande, Oregon

PROJECT: Boise Cascade Lagoon

JOB NO. 1013

Date Reported: 8/20/76

Test No.	Date Tested	<u>In-place</u>		<u>Laboratory</u>			REMARKS
		Moisture Content %	Density lb/cu. ft.	Optimum Moisture Content %	Density lb/cu. ft.	Percent Compaction	
4	8/19/76	26.5%	90.2	28.2%	90.1	100%	OK
5	8/19/76	29.0%	81.6	28.2%	90.1	90.6%	OK
6	8/19/76	19.5%	78.1	30.4%	88.6	88.2%	LOW
7	8/19/76	28.1%	84.0	28.2%	90.1	93.2%	OK
8	8/19/76	28.0%	85.4	28.2%	90.1	94.8%	OK
9	8/19/76	23.6%	84.3	28.2%	90.1	93.6%	OK

LOCATION OF TESTS

<u>Test #</u>	<u>Location</u>	<u>Elevation</u>	<u>Soil Type</u>
4	35' south, 15' west of H-9	2768 $\frac{5}{-}$	Brown Silty Clay
5	40' east of J-7	2772 $\frac{0}{-}$	Brown Silty Clay
6	15' west of J-4	2772 $\frac{5}{-}$	Dark Brown Silty Clay
7	60' north, 40' east of E-12	2766 $\frac{0}{-}$	Brown Silty Clay
8	50' north, 30' east of C-12	2767 $\frac{0}{-}$	Brown Silty Clay
9	40' south, 15' west of H-11	2771 $\frac{0}{-}$	Brown Silty Clay

by Howard Beggs
Project Engineer

IN-PLACE DENSITY TEST RESULTS

ANDERSON · PERRY & ASSOCIATES
 Consulting Civil Engineers
 La Grande, Oregon

PROJECT: Boise Cascade Lagoon

JOB NO. 1013
 Date Reported: 8/20/76

Test No.	Date Tested	<u>In-place</u>		<u>Laboratory</u>			REMARKS
		Moisture Content %	Density lb/cu. ft.	Optimum Moisture Content %	Density lb/cu. ft.	Percent Compaction	
1	8/18/76	28.2%	88.7	28.2%	92.9	95.4%	OK
2	8/18/76	26.9%	84.4	28.2%	92.9	90.8%	OK
3	8/18/76	21.4%	93.7	28.2%	92.9	100.7%	OK

LOCATION OF TESTS

<u>Test #</u>	<u>Location</u>	<u>Elevation</u>	<u>Soil Type</u>
1	J-2	2763 ⁰	Brown Silty Clay
2	J-3	2765 ⁹	Brown Silty Clay
3	40' east of J-6	2768 ⁵	Brown Silty Clay

by Howard H. Perry
 Project Engineer

September 8, 1976

Boise Cascade Corp.-Timber & Wood Pro. Group
c/o John Reed, Regional Manager
P.O. Bx. 610
La Grande, OR 97850

R-54682
54683

R-6481 & 40678 with map.



WATER RESOURCES DEPARTMENT

1178 CHEMEKETA STREET N.E. • SALEM, OREGON • 97310 • Phone 378-3739

September 8, 1976

ROBERT W. STRAUB
GOVERNOR

R-54682
54683

Mr. Howard Perry, Engineer
Anderson, Perry & Associates
P. O. Box 1301
La Grande, Oregon 97850

Dear Sir:

The plans and specifications for the Elgin Mill Wastewater Lagoon have been reviewed and approved. Copies of the approved plans and specifications have been forwarded to Mr. Neal Imeson. Because this structure exceeds the size limits for exempt structures, construction must be supervised by an engineer licensed to practice in the State of Oregon, or by a qualified representative of the Federal Government. Because your office prepared the plans and specifications, I will assume that you will provide the required supervision and inspection. If this is incorrect, please advise me immediately.

Any deviations from the approved plans and specifications will require prior approval from this office. In the event that any deviations become necessary during construction due to unforeseen circumstances, engineers are available from this office to work with you and are authorized to grant immediate approval in the field.

Please advise this office when construction starts so that we may schedule periodic field inspections.

Sincerely yours,

G. L. Oberholtzer
Engineer

GL0:cjw

cc: Mr. Neal Imeson

Mr. Boyd Hadden, Watermaster

C O P Y

STATE ENGINEER'S RECEIPT

STATE OF OREGON

WATER RESOURCES DEPT.

RECEIPT

Salem, Ore., 8-18-76 Appt. R-54682
Per.
Trst.
Received from Boise Cascade Corp. Timber
3030 Cash M.O. Check Wood Products Group

Examination fees: Recording fees:
Surface water \$ 20.00 \$ 10.30
Ground water \$ _____ \$ _____
Transfer \$ _____ \$ _____
Miscellaneous fees:
Blueprinting
Copying
Certification \$ _____
Misc. Recording
Protest
Extension of time

Publication of notice \$ _____
Quadrangle account \$ _____
Adjudication fee \$ _____
Power license fee \$ _____
_____ \$ _____
Hydroelectric license fee \$ _____
_____ \$ _____
_____ \$ _____

Water Well Construction:
_____ Exam. \$ _____ Lic. \$ _____

Certificate Recording fees:
_____ \$ _____

All other. _____ \$ _____

55589

By [Signature]

DAM NAME: BOISE CASCADE
 APPL. NO.: R-54682 # 83
 DAM FILE: _____
 MAP FILE: _____

CHECKED BY: OBERHOLZER
 DATE: Aug 30, 1976
 REVIEWED: _____

CONCURRENCE OF APPLICATION AND PLANS

ITEM	APPLICATION	PLANS	CORRECTIONS MADE		REMARKS
			APPL.	PLANS	
Location	SW, SE, Sec. 16 T. 1 N., R. 39 E.	SE, Sec. 16 T. 1 N., R. 39 E.			
Max Dam Height	15.5' * 13.5'	15.5'			
Top Length	—	—			
Bottom Length	—	—			
Crest Width	8'	8'			
Front and Rear Slopes	3:1 3:1	3:1 3:1			
Height of Dam above W. S. when full	3.5'	3.5'			Ok
Wasteway	None	None			
Surface Area	14.73 ac.	14.73 ac.			
Capacity	130.8 a.f.	130.8 a.f.			
Conduit	10" PVC	Size not specified			
Max Depth	10	10			
Mean Depth	8.9' * 3	8.9'			

REMARKS

Request approval to correct app. to agree with plans.

Ok - Gary

T. 1N., R. 39E., W. M.



SCALE 1"=1320'

Div. Pt. Loc: 1300'N. & 150'W. FROM SE COR. SEC 16
Res: loc: 1100'N. & 1300'W. FROM SE COR SEC 16

FINAL PROOF SURVEY
UNDER

R-54682 **R-6481**
Application No. **54683** Permit No. **40678...**
IN NAME OF

BOISE CASCADE CORPORATION

Surveyed 5-22 1984, by V. h. Church