SURVEILLANCE & ANALYSIS DIVISION, EPA, REGION IX

INDUSTRIAL DISCHARGE SURVEY

A. General Information

1. Discharger—name, plant location, mailing address, phone number:
Boise Cascade Corp.
Union Lumber Div.
90 West Redwood Ave
Fort Bragg, California 95437
707- 964-5651

2. Survey Date(s): 1/10/73

3. Survey performed by—name(s), title(s), organization(s):
William M. Thurston, Sanitary Engineer, EPA
Fred Kreiger, Chemical Engineer, EPA
Dave Shetzinger, Engineering Assitant, NCRWQCB

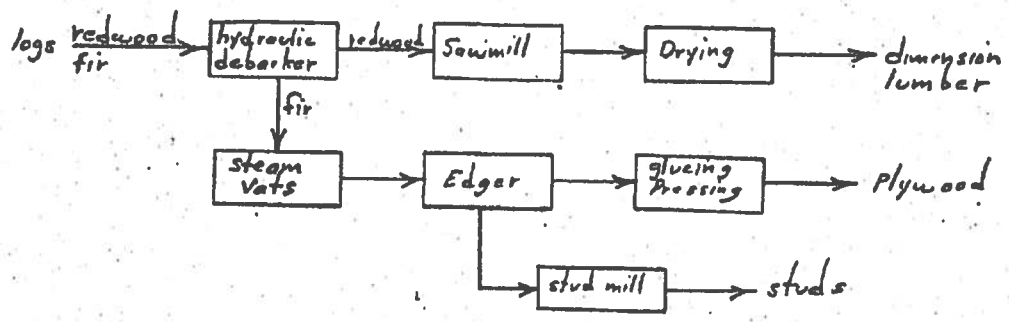
4. Information furnished by—name(s), title(s), organization(s):
Kenneth Tallman, Plant Engineer, B-C.

5. Product(s) manufactured: dimension lumber, plywood, studs

6. Standard Industrial Classification (SIC): 2421, 2432
7. Permit application number: 75-OYS-2-003035

B. Process Information (repeat for each major process)

1. Product(s) and type of process (include flow diagram):




2. Quantities processed and/or produced (e.g. tons/day, bbl/day):
Total output : 185,000 bd-ft/day

3. Processing schedule (e.g. 8 hours/day, 5 day/week, June - August):
Sawmill - 2 shifts/day
Plywood mill - 3 shifts/day

4. Raw feedwater source, quantity, quality, treatment:
municipal water supply and wells used for boiler feed.
Pudding Creek supplies hydraulic debarker.

5. Type operation(s) (continuous, batch):
continuous

6. Process wastewater see section c

a. Description:

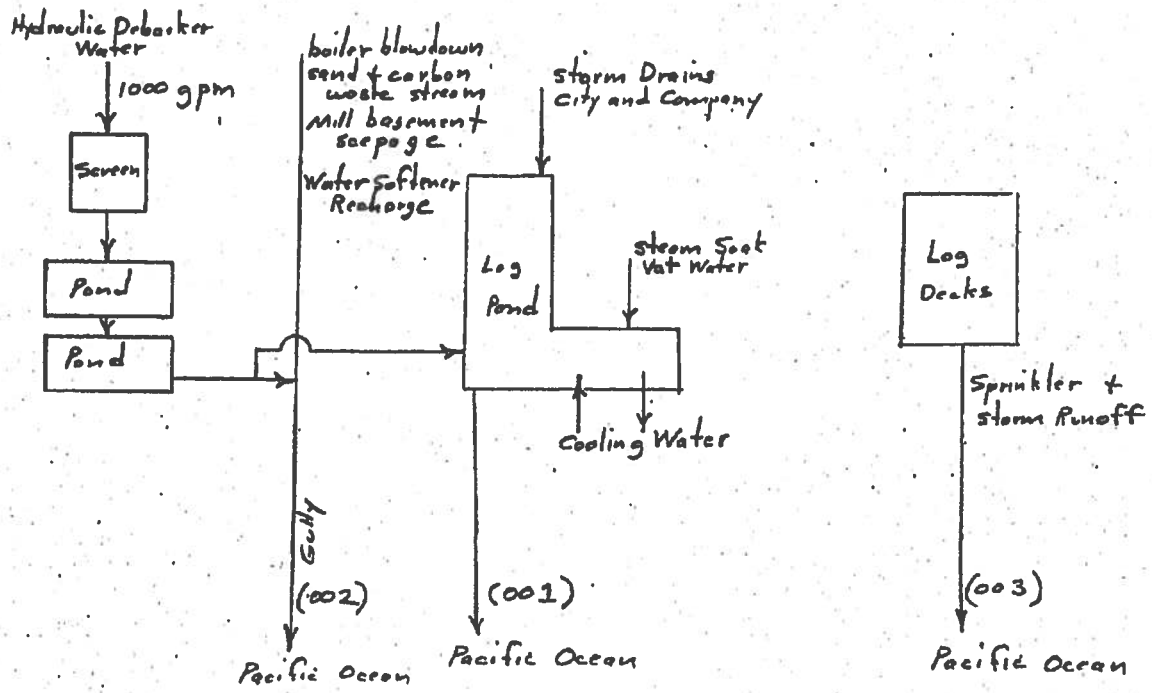
b. Quantity (batch or continuous):

c. Provisions for holding:

d. Pretreatment provided and wastewater routing:

C. Wastewater Treatment System (repeat for each system) (Note: For untreated wastewater discharges, complete parts 2, 3, 6, 8, 9.)

1. Describe system (include flow diagram, unit sizes, detention times, metering):




2. Source(s) of waste(s) treated (and any pretreatment--se B.6.d):
See above diagram

3. Quantity and variability of wastewater treated (ave., maximum, minimum, slugs):
Flows not measured. At time of inspection 002 was app. 1 cfs, discharge 001 was several cfs and 003 was unobserved.

4. Bypass capability, destination, and any evidence of use (including plant records and regulatory agency citations):
Debarker water formerly discharged directly to ocean. No evidence of bypassing of existing screen + pond system

5. Chemical(s) used (type, amount, batch or continuous feed, how controlled): None presently used.

6. Is flow rate measured? Recorded? How?

No

7. Wastewater treatment operation (staffing, automation, inspections, etc.): N.A.

8. Effluent disposal:

a. Outfall(s)--location (including STORET code), description (pipe, ditch, type of diffuser, etc.), receiving water, Permit Application No. (e.g. 001):

Discharges run across beach to ocean. Log pond discharge #75-095-2-003035-001. Discharges 002 and 003 not previously reported.

b. Location(s) of best sampling point. Are electrical outlets available? Space for compositors?

001 - overflow weir on west side of pond
002 - ditch above beach
003 - not determined

} no electric power readily available

c. Physical appearance of effluent and apparent effect on receiving waters:

001 - brownish in appearence - discoloration of ocean
002 - turbid, brown " - " " "
003 - not observed

d. Discharge schedule (continuous, intermittent, high tide, etc.):

002 - continuous during work shifts
001 - continuous in wet weather
003 - intermittent

e. Effluent quality (results and date of most recent analysis):

recent analysis of waste streams will be forwarded by Mr Tallman.

9. Planned treatment improvements and dates: See Section K

D. Regulatory Information

1. State discharge requirements

a. Action number and date: No requirements have been established to date.

b. Summary of limitations:

c. Self-monitoring requirements (parameters, frequency, type of sample):

d. Which discharges are covered? Location of required sampling points:

2. Summary of monitoring results for prior 6 months:

Waste streams have been recently analyzed in preparation of report required by state of ocean dischargers. That data will be forwarded to EPA by the company.

3. Who performs analyses? (in-house, contract lab (Name)):
Contract lab - name not determined.

4. Compliance schedules

a. State: formal compliance schedule not adopted. Company is working with state on change in wastewater handling

b. Federal (including consent decrees or letters): None

E. Other Disposal Practices (include type and amount of wastes, names of contractors):

1. Solid wastes (garbage, trash, sludge):
   sawdust incinerated
   boiler fuel clinters used for road surfacing

2. Domestic wastewater (treatment, discharge point):
   to municipal treatment plant

3. Stormwater (treatment, discharge point(s)):
   Major portion discharged to log pond and thence to Pacific Ocean.

4. On-site land disposal (land fills, dumps, etc.):
   road surfacing - no land fills

5. Injection wells, deep sea disposal, commercial waste acceptance firms:
   none

6. Incineration (type, use of auxiliary fuel):
   tepee burners with underflows and dampers

F. Air Pollution Control

1. Describe existing equipment: cyclones, air controls on incinerators, wet scrubbers

2. Describe any planned measures: modifying burners to have underflow and dampers automatically controlled.

3. Describe any visual emissions and/or odors: smoke and white plumes

4. Describe air monitoring ability, including records and equipment:
   None

5. Describe recent testing (including stack), date, results:

Not available

6. Status of compliance with local Air Board requirements:

Not in compliance

7. Compliance with implementation schedule, if any:

scheduled for compliance by Dec 73.

G. Describe Company's Future Plans (process changes and dates):

No major changes in process proposed.

H. Spill Prevention Measures (existing or proposed):

None

I. Survey Sampling and Photos

1. Samples collected (date, time, location, how preserved, how labeled, type of sample—grab or composite, flow rate, witnesses, etc.):

None

2. Photos taken (date, time, type camera, type film, picture number, description of coverage, witnesses, etc.):

None

J. Recommended Actions (e.g. sampling survey, parameters, time and type of sampling):

Analysis of existing discharges not recommended inasmuch as changes in wastewater treatment are underway.

K. Comments (housekeeping, cooperativeness, continuation sheet):

Company intends to route debarker water and drainage from log decks to log pond for use in cooling.

Discharge of vat water is to be eliminated by internal recycling. Debarker water to be treated with lime and alum prior to discharge to log pond. System to be operational in approximately 2 months.

Water in log pond recycled for cooling purposes in 12000 kw generating plant.

Impression gained during inspection - by using log pond water for hydraulic debarker operation and rerouting of storm drains now discharging to log pond, all discharges could be eliminated without much difficulty.