SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN

PORTLAND, OREGON PLANT

ASH GROVE CEMENT COMPANY
1000 Tenmain Center
Kansas City, Missouri 64105
Telephone (816) 842-3311

CONTACT

W. A. Kistler, Superintendent

Certification:

Engineer: Graham D. Jones

Signature: Graham D Jones

License Number: E-1553 State: Nebr. (Seal)

Date: May 13, 1975

878443

Appendix19-000001

CERTIFICATION INFORMATION

A. Name of Facility - Ash Grove Lime Plant

B. Type of Facility - Lime Manufacturing

C. Date of Initial Operation - February 1964

D. Location of Facility - 13939 N. Rivergate Blvd., Portland, Oregon

E. Name and Address of Owner - Ash Grove Cement Company
1000 Tenmain Center
Kansas City, Missouri 64105

F. Designated Person Responsible for Oil Spill Prevention -

NAME W. A. Kistler

G. Oil Spill History - This facility has experienced no significant oil spill event during the twelve months prior to January 10, 1974.

H. Management Approval - Full approval is extended by Management at a level with authority to commit the necessary resources.

SIGNATURE G D Jones

NAME G. D. Jones

TITLE Vice President - Production

I. Certification - I hereby certify that I have examined the facility, and being familiar with the provisions of 40 CFR, Part 112, attest that this SPCC Plan has been prepared in accordance with good engineering practices.

NAME:

SIGNATURE: Graham D Jones

(Seal)

REGISTRATION NO.: E-1553

DATE: May 13, 1975

STATE: Nebraska

OIL POLLUTION PREVENTION PLAN

1. PURPOSE, MISSION

   A. Through the strategic placement of storage facilities, containment installations and the use of a well trained group of plant personnel, prevent or minimize all oil spills throughout the Portland plant.

   B. Through the use of all practical safeguards, in-plant facilities and equipment, and outside help when necessary, eliminate the possibility of a discharge of oil from non-transportation related on shore facilities, into or upon the navigable waters of the United States or adjoining shorelines.

2. ORGANIZATION

   A. Location.

   The Ash Grove Cement Company plant is located at 13939 N. Rivergate Blvd., in the Rivergate industrial district of North Portland.

   B. Primary Function.

   Lime manufacturing.

   C. Fuel.

   The primary fuel used in our process is natural gas, however, due to the questionable availability of natural gas we use #2 Diesel oil as a stand-by fuel.
   We store approximately 400,000 gallons of said oil in a steel storage tank located above ground and as indicated on the attached exhibit A. This storage facility is

surrounded by a diked area of more than ample capacity to contain the entire contents of the storage tank plus any precipitation which might occur.

All valves which lead from the tank are locked except when we are using stand-by fuel. At that time the 2" valve leading through our pumping station and to the kilns will be in the unlocked and open position.

3. ORGANIZATION AND RESPONSIBILITIES

A. Organization

1. Since we may have only two (2) men in the plant during two shifts we will be limited in personnel on those shifts.

2. Our monthly inspections and minor repairs to our oil stand-by system will be carried out only on the day shift except for emergencies.

B. Responsibilities

1. The Superintendent is responsible for organization and the training of all personnel in the spill control prevention and counter measures plan. His duties when called will be to co-ordinate the actions of the employees involved and take the necessary steps to minimize any spills.

2. Kiln operator on duty will have charge of all activity until a supervisor has been notified and assumed those duties. They will be responsible for notifying the superintendent and then the supervisor on duty, either at the plant or at home.

3. All other plant personnel will be responsible for reporting any and all oil spills or leaks directly to the kiln operator or the supervisor on duty if he is at the plant. Reporting personnel will then stand by for further instructions from the kiln operator or supervisor.

4. EXECUTION OF THE PLAN

A. When a spill is observed it will be immediately reported to the kiln operator by phone or messenger. The kiln operator will immediately send a utility man-kiln to observe the situation and turn off any, or all valves necessary to eliminate further spillage.

B. After visual inspection and all possible steps available to the kiln operator and utility man-kiln have been taken to minimize said spill, the operator will notify by phone the supervisor on duty.

C. The supervisor on duty will then take the responsibility for corrective action, and cleaning up the spill area.

D. If the spill is of such magnitude that there is free oil inside the dike area surrounding the storage tank the dike should be inspected at the earliest convenience for leaks, weak spots, or other trouble areas.

E. Should the oil spill be in an area outside the diked area all attempts should be made to contain it in as small an area as possible, however, should it be of such volume that it would flow towards the river it should be diverted

from all drains, including septic tank, and storm drains, and attempts should be made to direct its flow into the existing dry settling basins located just South of the triple deck screen and fines bin.

F. Should it become necessary the cat loader should be used to build a secondary dike or containment area.

G. Should the spill be in excess of 10,000 gallons, Willamette Tug & Barge Company's oil spill emergency unit should be contacted and put on the alert for use if necessary. Information attached to this plan, Exhibit B.

H. During clean-up of a spill hydrated lime may be used as an absorbent and to help minimize the leaching of oil through sand and eventually discharging into the Willamette River.

5. POST SPILL INFORMATION

A. After a spill has been completely taken care of, an investigation into the cause will be carried out and safeguards to prevent the same type accident from happening again will be taken.

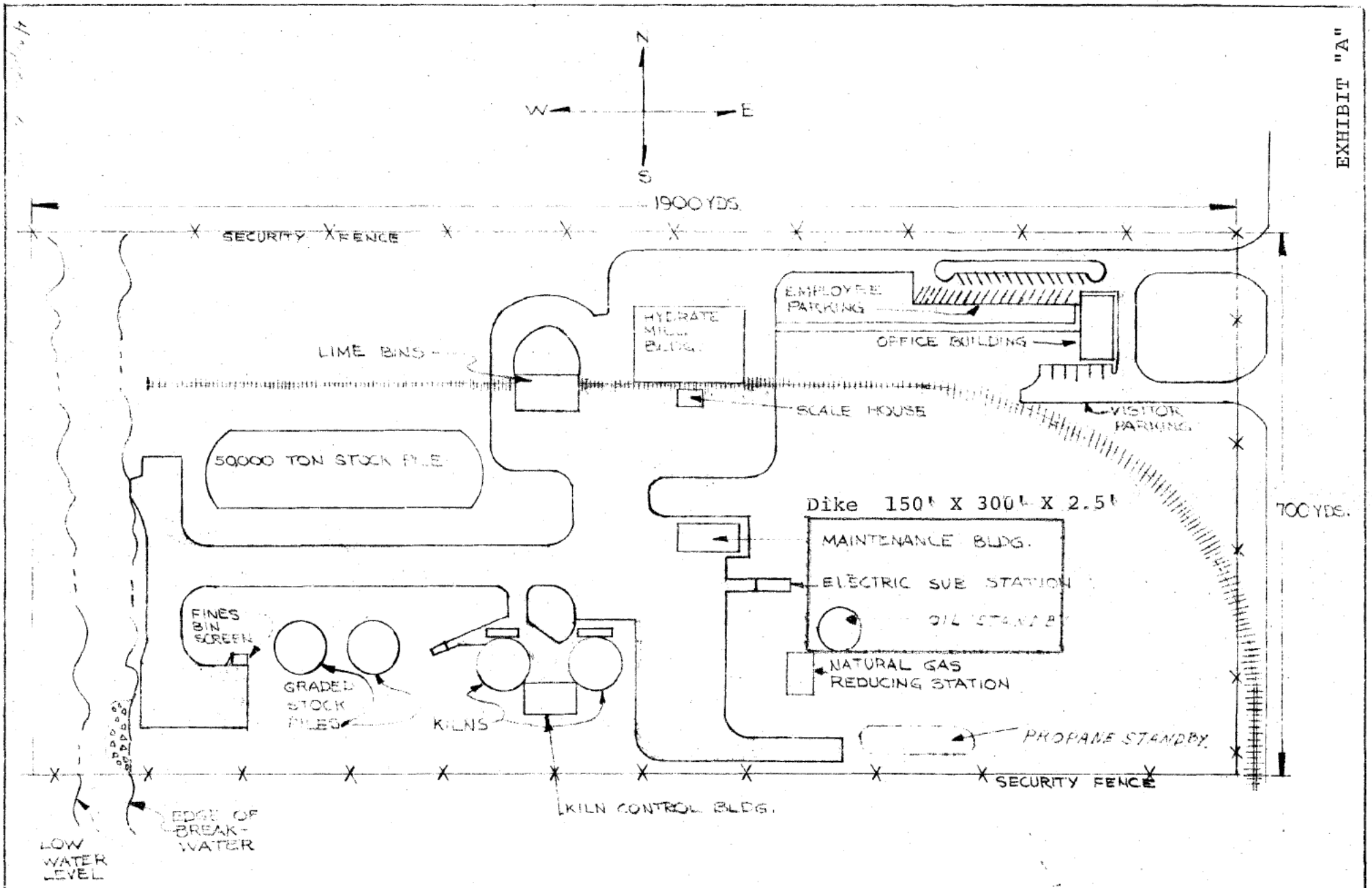


EXHIBIT "A"

ASH GROVE LIME PLANT LAYOUT	
NOT TO SCALE	12-8-67
DRAWN BY A.M. MINTON.	

Appendix19-000007

OIL SPILL CLEANUP RATES

1 July 1974

Barge "WILLAMETTE RESPONDER"	) Includes routine	$125.00/day
	) consumables, i.e., rags,	
Mobile Responder	) plastic bags, etc, and	125.00/day
	) all hand tools	

Containment Boom

First day	$ 1.50/foot
Each additional day	.50/foot

Tug Service - includes crew of two per current P.I.T.B. Tariff 30 A

The hourly boat rates start at time and place of departure of boat to work and continue until boat returns to the approximate point of departure, unless boat leaves to engage in other work.

Barge Charges (Flatdeck)	Applicable P.I.T.B. Tariff
Barge (Oil Carrier, 5000 BBL)	Applicable P.I.T.B. Tariff

Cleaning of barge to restore to normal service will be at the customer's expense.

Small boat with outboard (Without Operator)	$ 50.00/day
Floating portable Skimmers (Operating Time)	$ 25.00/hour

* Sorbant Materials Expended @ Cost Plus

* Subcontractors' services and rented equipment @ Cost Plus

Portable Generators (3 KW)	$ 30.00/day
Pumps up to 3" with hoses	$ 30.00/day
High Speed Boom Deployment Boat - "WILLAMETTE STREAKER"	$ 55.00/hour
Cluster Lights (Portable)	$ 5.00/day

EXHIBIT "B"

Oil Spill Cleanup Rates (Continued)
1 July 1974

Project Superintendent	(No overtime charge)	$ 25.00/hour
Pollution Control Foreman	(No overtime charge)	$ 17.50/hour

	Straight Time	Over Time
Pollution Control, Vessel and Equipment Operator	$13.75	$16.00
Pollution Control Worker	11.00	15.00

Straight Time applies between the hours of 6:00 a.m. and 6:00 p.m., Monday through Friday.

Overtime applies between 6:00 p.m. and 6:00 a.m., Monday through Friday, Saturday, Sunday, and all Holidays.

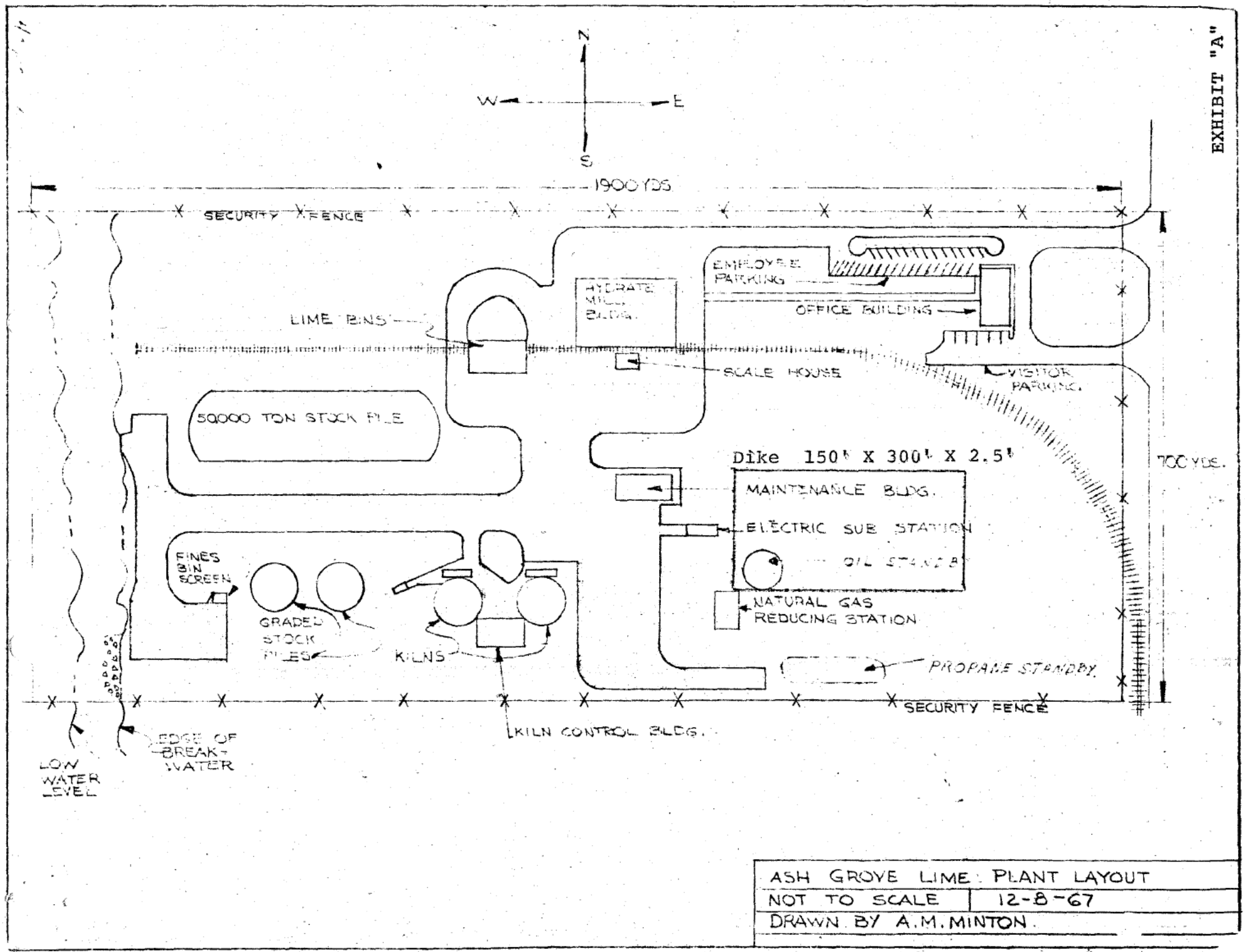
Material Disposal	(2 cubic yard minimum)	$ 10.00/cu yd
Oil Disposal		.07/gal

* A 15% overhead and insurance, and 10% profit will be added to all materials, subcontractors' services, and rented equipment.

Equipment, materials, and services not listed above will be charged at prevailing rates of the industry plus 15% overhead and insurance, and 10% profit.

Food and lodging when required at cost plus 15% overhead.

Cleanup and repair of all equipment used shall be charged to the customer on a time and materials basis.


N
W
E
S
1900 YDS.
SECURITY FENCE
EMPLOYEE PARKING
HYDRATE MILL BLDG.
OFFICE BUILDING
LIME BINS
SCALE HOUSE
VISITOR PARKING
50000 TON STOCK PILE
Dike 150' X 300' X 2.5'
700 YDS.
MAINTENANCE BLDG.
ELECTRIC SUB STATION
OIL STANDBY
FINES BIN SCREEN
GRADED STOCK PILES
KILNS
NATURAL GAS REDUCING STATION
PROPANE STANDBY
SECURITY FENCE
KILN CONTROL BLDG.
EDGE OF BREAK-WATER
LOW WATER LEVEL
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Equipment, materials, and services not listed above will be charged at prevailing rates of the industry plus 15% overhead and insurance, and 10% profit.

Food and lodging when required at cost plus 15% overhead.

Cleanup and repair of all equipment used shall be charged to the customer on a time and materials basis.

Universal Dynamics America Corporation
12009 NE 99th Street, Suite 1470
Vancouver, WA 98682

Telephone **360-253-2793**
Fax **360-253-4357**

May 16, 2005

Ash Grove Cement Company
13939 N. Rivergate Blvd.
Portland, Oregon 97203

Attention: Mr. Glenn Dollar

Re: Updated SPCC Plan
Universal Dynamics' Project: 4406

Dear Mr. Dollar:

Enclosed is the revised Spill Prevention Control and Countermeasures (SPCC) Plan for the Ash Grove Rivergate plant in Portland, Oregon. This SPCC Plan was revised consistent with the May 10, 2005 inspection of your facility and our review of your existing SPCC Plan.

Please note that Gary Wright must review, and sign and date this plan on page ii to make it final.

Sincerely,
Universal Dynamics

Ronald J. Thompson, P.E.
General Manager

SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN

ASH GROVE CEMENT COMPANY
Rivergate Lime Plant
Portland, Oregon

Universal Dynamics' Project No. 4406
May 16, 2005

Prepared for:

ASH GROVE CEMENT COMPANY
Rivergate Lime Plant
Portland, Oregon

Prepared by:

Universal Dynamics
Vancouver, Washington

SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN FOR ASH GROVE CEMENT COMPANY

13939 N. Rivergate Blvd.
Portland, Oregon 97203

Original Date of Plan: November 7, 1991
Date of Last Plan Review: May 16, 2005

Designated person accountable for spill prevention:
Glenn Dollar
Environmental, Health & Safety Manager

CERTIFICATION

I hereby certify that I have examined the facility, and being familiar with the provisions of 40 CFR Part 112, attest that this SPCC Plan has been prepared in accordance with good engineering practices.

Engineer:	Ronald J. Thompson, P.E.
Signature:	
Date Signed:	May 16, 2005
Registration Number:	13,489
State:	Oregon
Expiration Date:	June 2006

Seal

SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN
COMPLIANCE REVIEW REQUIREMENTS AND HISTORY

In accordance with 40 CFR 112.5(b), a review and evaluation of this SPCC Plan is conducted at least once every five years. As a result of this review and evaluation, Ash Grove Cement Company will amend the SPCC Plan within six months of the review to include more effective prevention and control technology if: (1) such technology will significantly reduce the likelihood of a spill event from the facility, and (2) if such technology has been field-proven at the time of review. Any amendment to the SPCC Plan shall be certified by a Professional Engineer within six months after a change in the facility design, construction, operation, or maintenance occurs which materially affects the facilities potential for the discharge of oil into or upon the navigable waters of the United States or adjoining shorelines.

Review Dates

1. May 24, 1991
2. June 29, 1994
3. May 17, 1997
4. April 14, 2000
5. October 31, 2002
6. March 5, 2003
7. May 10, 2005

MANAGEMENT APPROVAL

Ash Grove Cement Company is committed to the prevention of discharges of oil to navigable waters and the environment, and maintains the highest standards for spill prevention control and countermeasures through regular review, updating and implementation of this Spill Prevention Control and Countermeasure Plan.

Authorized Facility Representative: Gary Wright Signature: _____

Title: Plant Manager Date: _____

APPLICABILITY OF THE SUBSTANTIAL HARM CRITERIA

FACILITY NAME: Ash Grove Cement Company

FACILITY ADDRESS: 13939 N Rivergate Blvd
Portland, Oregon 97203

1. Does the facility transfer oil over water to or from vessels and does the facility have a total oil storage capacity greater than or equal to 42,000 gallons?
   Yes _____ No _X_

2. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and does the facility lack secondary containment that is sufficiently large to contain the capacity of the largest aboveground oil storage tank plus sufficient freeboard to allow for precipitation within any aboveground oil storage tank area?
   Yes _____ No _X_

3. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and is the facility located at a distance (as calculated using the formula in Attachment C-III, Appendix C, 40 CFR 112 or a comparable formula [1]) such that a discharge from the facility could cause injury to fish and wildlife and sensitive environments? For further description of fish and wildlife and sensitive environments, see Appendices I, II, and III to DOC/NOAA's "Guidance for Facility and Vessel Response Environments" (Section 10, Appendix E, 40 CFR 112 for availability) and the applicable Area Contingency Plan.
   Yes _____ No _X_

4. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and is the facility located at a distance (as calculated using the appropriate formula (Attachment C-III, Appendix C, 40 CFR 112 or a comparable formula [1]) such that a discharge from the facility would shut down a public drinking water intake[2]?
   Yes _____ No _X_

5. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and has the facility experienced a reportable oil spill in an amount greater than or equal to 10,000 gallons within the last 5 years?
   Yes _____ No _X_

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Figure 1 Facility Layout and Surface Drainage Diagram

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SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN ASH GROVE CEMENT COMPANY

Universal Dynamics' Project No. 4406
May 16, 2005

1. FACILITY OWNER and OPERATOR:

A. Facility Owner, Address, and Telephone:

Ash Grove Cement Company
8900 Indian Creek Parkway, Suite 600
Overland Park, Kansas 66225
Telephone (913) 451-8900

B. Facility Operator, Address, and Telephone:

Ash Grove Cement Company
13939 North Rivergate Blvd.
Portland, Oregon 97203
Telephone: (503) 286-1677
Fax: (503) 289-2272

2. FACILITY CONTACT (s):

Name	Title	Telephone
Gary Wright	Plant Manager	(503) 286-1677
Glenn Dollar	Envir, Health & Safety Manager	(503) 286-1677

3. FACILITY DESCRIPTION:

A. Plant Description:

112.7(a)(3) Describe the physical layout of the facility and include a facility diagram which shows the location and contents of each container and underground storage tank.

The Ash Grove Rivergate lime plant is located in Portland, Oregon. It was built in 1963 on a 30 acre tract of land located on the east shore of the Willamette River.

The plant receives limestone and dolomite from quarries in British Columbia and Washington State by barge and rail. These raw materials are off-loaded and stored in raw material piles on-site.

Some of the limestone and dolomite is transported by truck to local steel mills, pulp and paper plants and chemical process industries without further processing.

Part of the limestone and dolomite is pulverized to a fine powder in four Raymond roller mills. Each mill is equipped with a gas fired burner to flash dry the material during pulverizing. The fuel gas used in the burners is methane obtained from a local landfill. The dry pulverized material is classified to the desired fineness and sold as an agricultural soil additive and for use in composition shingles, animal feed, poultry grit and chemical industries.

Part of limestone is sized and feed to three Calcimatic kilns where the temperature of the stone is increased to about 2300 F and the carbon dioxide (CO2) is driven off the limestone (CaCO3) to form quicklime (CaO) for use in steel mills, the pulp and paper industry, wastewater treatment and road stabilization. The primary fuel for the kilns is methane gas. No.6 fuel oil and waste oil is used to supplement the methane.

Part of the quicklime (CaO) produced in the kilns is mixed with water (H2O) in a hydrator to produced calcium hydroxide (Ca(OH)2) or hydrated lime. The hydrated lime is pulverized into a fine powder for use in wastewater treatment, road stabilization, sugar refining and treatment of apples for long-term storage.

Waste oil is used as supplemental fuel for the kilns. This oil is stored in two (2) bulk storage tanks in the kiln oil storage area. The waste oil tanks include a 425,000 gallon insulated steel tank and a 25,000 gallon steel tank. The waste oil storage tanks are provided with secondary containment consisting of a concrete pad surrounded by 5-feet high reinforced concrete walls designed to hold more than 425,000 gallons with a minimum of 6-inches of free board. Four 10gpm oil pumps are provided in the containment area to transfer waste oil from the storage tanks through two 2-inch above ground pipelines to the kilns. Storm water collected in the secondary containment system is manually pumped out onto the ground after visual confirmation that it is not contaminated with oil.

Diesel oil used for fueling plant mobile equipment is stored in a horizontal 4,000 gallon tank located within the kiln oil secondary containment system.

Waste oil and diesel are received by truck and pumped with a 250gpm truck mounted pump through above ground pipelines into the bulk storage tanks from a covered truck

unloading station. The kiln unloading station is equipped with a concrete containment pad sized to hold a spill from the largest compartment of an oil truck. A 35-gpm diaphragm pump transfers oil spills from the unloading station through an above ground pipeline to the waste oil tank.

Plant mobile equipment is fueled while parking in the kiln truck unloading station. A 15gpm pump located within the secondary containment area transfers diesel from the 4,000 gallon storage tank to the mobile equipment. Any spills during this fueling operation are contained by the concrete containment pad for the truck unloading station.

For fueling gasoline powered mobile equipment, the plant has a 550 gallon single wall, fiberglass, underground gasoline storage tank installed in 1990. The tank is located near the northwest corner of the storeroom. It is provided with an X76 Ronan leak detection system.

The plant stores 55 gallon drums and other small containers of waste oil, lubricating oil, and other oils used for maintenance and fueling at four locations (i.e., No. 7 Storage Area, Maintenance Shop Oil Storage, No. 8 Lub. Room, portable diesel storage tank).

The plant site has no storm water sewers or storm water ditches. Storm water accumulates on the plant site until it percolates into the ground or evaporates. There are no direct discharges of storm water to the river.

The Plant has a 6-foot high perimeter fence topped with three strands of barbed wire. There are three gates which are never closed. The plant is operated with employees on-site 24 hours per day, 365 days each year. The total number of plant employees is 46.

Appendix 1 contains a plot plan of the plant showing the location of major equipment and oil storage locations.

B. Oil Storage Type, Volume and Location:

112.7(3)(i)The plan should contain a list of the oil storage tanks and what they contain.

Item	ID	Location	Volume (gal)	Contents
Aboveground Storage Containers				
1	Waste Oil Tank	Kiln Oil Storage Area	425,000	#6 Fuel Oil
2	Waste Oil Tank	Kiln Oil Storage Area	25,000	Waste Oil
3	Diesel Tank	Kiln Oil Storage Area	4,000	#2 Fuel Oil
4	Spent Solvent	#7 Storage Area	55	Spent Solvents
5	Spent Antifreeze	#7 Storage Area	55	Spent Antifreeze
6	Used Oil filters	#7 Storage Area	55	Used Oil Filters
7	Used Absorb. Pads	#7 Storage Area	55	Used Oil absorbent Pads
8	Used Absorb. Pads	#7 Storage Area	55	Used Oil absorbent Pads
9	Solvent Container	Maint. Shop Oil Storage	60	Solvent
10	Hydraulic Oil Container	Maint. Shop Oil Storage	32	Hydraulic Oil
11	Lub Oil Drum	Maint. Shop Oil Storage	55	Lub oil
12	Lub Oil Drum	Maint. Shop Oil Storage	55	Lub oil
13	Lub Oil Drum	Maint. Shop Oil Storage	55	Lub oil
14	Grease Drum	Maint. Shop Oil Storage	55	Grease
15	Hydraulic Oil Drum	Maint. Shop Oil Storage	55	Hydraulic Oil
16	Waste Oil Drum	Maint. Shop Oil Storage	55	Waste Oil
17	Antifreeze Drum	Area 8 Lub Room	55	Antifreeze
18	Solvent Drum	Area 8 Lub Room	55	Solvent
19	Trans. Fluid Drum	Area 8 Lub Room	55	Trans. Fluid
20	Lub Oil Drum	Area 8 Lub Room	55	Lub Oil
21	Hydraulic Oil Drum	Area 8 Lub Room	55	Hydraulic Oil
22	Lub Oil Drum	Area 8 Lub Room	55	Lub oil
23	Lub Oil Drum	Area 8 Lub Room	55	Lub Oil
24	Portable Container	Near No. 1 MCC	100	Diesel
Under Ground Storage Tanks				
25	Gasoline Tank	NW Corner Store Room	550	Gasoline
Transformers				
26	Trans. Oil Tank	South of Store Room	375	Coolent Oil
27	Trans. Oil Tank	South of Store Room	375	Coolent Oil
28	Trans. Oil Tank	South of Store Room	375	Coolent Oil
29	Trans. Oil Tank	West of AG Mill	403	Coolent Oil
30	Trans. Oil Tank	West of AG Mill	156	Coolent Oil

4. DISCHARGE PREVENTION, CONTAINMENT AND COUNTER MEASURES:

A. Discharge Prevention 112.7(a)(3)(ii):
The Rivergate plant prevents discharges of oil:

- by providing properly designed and installed oil storage, unloading and transfer equipment using where possible fail-safe designs, and
- by training our personnel in the proper inspection, operation and maintenance of the oil handling equipment.

The 425,000 gallon and 25,000 gallon Waste Oil tanks are both equipped with ultrasonic level measurement equipment that read out in the kiln control room which is manned 24 hours per day. A high level alarm light comes on when these tanks are within 10,000 gallons of being full. When more than 10,000 gallons of capacity remain, the high level light goes off. This signals the control room operator when a full truck load of oil can be safely scheduled without concern for a tank over flow. The kiln operator is instructed not to accept a truck load of oil when the high level alarm is on.

All discharge valves from the kiln oil storage tanks are locked closed when not in use. The power for the motors in the diked area is located in the motor control center at the kilns and is locked open when not in use.

Routine inspection of the kiln oil storage area, unloading station and transfer piping and pumps is performed by the Kiln Operator and the Kiln Utility Man. This equipment is operated and maintained in accordance with plant operating and preventive maintenance procedures with which all personnel are trained to understand and implement.

Discharge Containment 112.7(a)(3)(iii):

- Storage Tanks. At the Rivergate plant, all storage tanks and containers have been provided with secondary containment.
- Oil Unloading. Bulk transfer of diesel and waste oil are preformed from an unloading station that is under roof and provided with spill containment.
- Diesel Fueling. Diesel fueling of mobile equipment is performed under roof and on a concrete containment.
- Above Ground Piping. Above ground oil piping is provided with adequate containment.

C. Discharge Counter Measures 112.7(a)(3)(iv-v) & (a)(4):

Anyone who observes an oil leak or spill reports it to the Kiln Operator in the kiln area or the senior maintenance person for spills in other areas. The Kiln Operator or the senior

on duty maintenance person immediately assesses the severity of the situation and takes action to stop the spill (i.e., turns-off pumps, closes valves, etc.). If the spill is outside a containment area the EH&S Manager is notified immediately.

If a spill in the kiln area is outside the storage tank containment area or escapes the containment area, the Kiln Operator contacts the EH&S Manager and then takes all steps necessary to contain the spill within the smallest possible area. Oil spilled in the kiln area should be contained locally in natural surface depressions or with temporary dikes formed with soil or crushed limestone. If necessary, one or more front end loaders should be used to build a secondary dike or containment area. In addition, if outside assistance is necessary, Foss Emergency Services should be contacted.

Spill clean-up will include pumping free oil into a tank truck for transport to a local oil reclaimer, absorption of residual oil with commercial absorbents or hydrated lime and excavation of oily absorbent and soil into a truck for disposal at a permitted landfill.

For spills from the three (3) drum storage areas or the portable diesel storage tank area which escape containment, the senior maintenance person will immediately contact the EH&S Manager and take all necessary action to locally contain the spill with soil or limestone. The contained oil should be removed by absorption with a commercial oil absorbent, or hydrated lime. The oily absorbent and containment material should be placed in drums or a truck and disposed at a permitted landfill.

Spills in containment areas should be cleaned up promptly by pumping free oil into containers or a truck. If the free oil is not suitable for use at Ash Grove, it should be transported to a local oil re-refiner. Residual oil should be absorbed with a commercial oil absorbent, placed in drums or a suitable truck and transported to a licensed landfill. If necessary the surface of the containment area should be cleaned with detergent and water. The waste water should be collected put in drums or a suitable truck and disposed at a local waste disposal firm.

The EH&S Manager will determine if notification of the control authorities is necessary and make the necessary notifications.

- Spills of 25 gallons or more of oil that are outside of containment must be immediately reported to the Oregon Emergency Management Service (OEMS).
- Oil spills that reach the Willamette River must be immediately reported to the National Response Center (NRC).

The Spill Response Notification Form in Appendix 4 will be used as a checklist for what to report and as a record of what was reported.

E. Emergency Contacts 112./7(a)(3)(vi);

The following is a list of emergency contacts including plant personnel, regulatory authorities and contractors and disposal firms.

Plant Contacts	**Day Time**	**24- Hour**
EHS Manager	(503) 286-1677	(b) (6) (home)
Control Authorities		
Oregon Emergency Management Service		(800) 452-0311
National Response Center		(800) 424-8802
Cleanup Contractors		
Foss Environmental Services		(800) 337-7455
Landfills		
Hillsboro Landfill	(503) 493-7834	
Waste Disposal Companies		
Oil Rerefining		(800) 367-8894
Oil Reclaimers		
Oil Rerefining		(800) 367-8894

SPILL HISTORY:

The Ash Grove Rivergate facility has been in operation since 1963 and has experienced no reportable oil spills.

5. POTENTIAL SPILL PREDICTIONS, VOLUMES, RATES, AND CONTROL:

112.7(b) Where experience indicates a reasonable potential for equipment failure (such as loading and unloading equipment, tank overflow, rupture, or leakage), include in your plan a prediction of the direction, rate of flow, and total quantity of oil which could be discharged from the facility as a result of each major type of failure.

Item	Tank ID Source	Type of Failure	Volume (gallons)	Rate (gal/hr)	Dir of flow[1]	Containment (gallons)
Kiln Oil Storage						
1	Waste Oil Tank	Tank Rupture	425,000	425,000	NA	509,000
2	Waste Oil Tank	Tank Rupture	25,000	25,000	NA	509,000
3	Diesel Tank	Tank Rupture	4,000	4,000	NA	509,000
No. 7 Oil Storage Area						
4	Spent Solvent Drum	Tank Rupture	55	55	NA	55
5	Spent Antifreeze Drum	Tank Rupture	55	55	NA	55
6	Used oil filters Drum	Tank Rupture	25[2]	25[2]	NA	55
7	Used Absorb. Pads	Tank Rupture	25[2]	25[2]	NA	55
8	Used Absorb. Pads	Tank Rupture	25[2]	25[2]	NA	55
Maintenance Shop Oil Storage						
9	Solvent Container	Tank Rupture	60	60	NA	2200
10	Hydraulic Oil Container	Tank Rupture	32	32	NA	2200
11	Lub Oil Drum	Tank Rupture	55	55	NA	2200
12	Lub Oil Drum	Tank Rupture	55	55	NA	2200
13	Lub Oil Drum	Tank Rupture	55	55	NA	2200
14	Grease Drum	Tank Rupture	55	55	NA	2200
15	Hydraulic Oil Drum	Tank Rupture	55	55	NA	2200
16	Waste Oil Drum	Tank Rupture	55	55	NA	2200
No. 8 Lub Room						
17	Antifreeze Drum	Tank Rupture	55	55	NA	100
18	Solvent Drum	Tank Rupture	55	55	NA	100
19	Trans. Fluid Drum	Tank Rupture	55	55	NA	100
20	Lub Oil Drum	Tank Rupture	55	55	NA	100
21	Hydraulic Oil Drum	Tank Rupture	55	55	NA	100
22	Lub Oil Drum	Tank Rupture	55	55	NA	100
23	Lub Oil Drum	Tank Rupture	55	55	NA	100
Portable Tank						
24	Portable Diesel Tank	Tank Rupture	100	100	NA	120

1. Tanks with secondary containment do not have a direction of flow because releases from the tanks are contained. Therefore, the direction of flow is not applicable (NA).
2. Assume these containers have 25 gallons or less of oil in them.

General Equipment Location	Type of Failure	Volume (gal)	Rate (gal/hr)	Dir of flow[1]	Containment
Oil Filled Electrical Transformers					
Main Substation South of Store Room	Rupture	375	375	NA	700[2]

Main Substation South of Store Room		Rupture	375	375	NA	700[2]
Main Substation South of Store Room		Rupture	375	375	NA	700[2]
Substation West of AG Mill		Rupture	403	403	NA	417
Substation West of AG Mill		Rupture	156	156	NA	353
Unloading Operations						
1	Kiln Unloading Station	Waste Oil Pipe or Valve Failure	5,000[3]	5,000	NA	5,498
4	Kiln Unloading Station	Mobile Equip Fueling - drive away w/o removing nozzle	75	15gpm[4]	NA	5,498
Above Ground Piping						
1	Unloading Station to Containment Tanks	Pipe Leak	1250[3]	250gpm Max[5]	South	In-plant Depressions & Ditch
2	Containment to Kilns	Pipe Leak	100	10gpm[6]	South or North Subject to Spill Location	In-plant Depressions & Ditch

1. Sources with secondary containment do not have a direction of flow because releases from the tanks are contained. Therefore, the direction of flow is not applicable (NA).
2. One 700 gallon containment for all three transformers.
3. Ash Grove arranges with their oil supplier to provide trucks with a maximum single compartment volume of 5000 gallons.
4. The mobile equipment diesel fueling system has a 15gpm pump. If the equipment drives away without removing the fill nozzle, it is assumed that the pump will be shutoff within 5 minutes.
5. The waste oil truck has an on-board unloading pump with a maximum capacity of 250 gpm. It is assumed that if the discharge line fails the driver will notice the failure and shut the pump down within 5-minutes. The total release would be 1250 gallons.
6. The capacity of the waste oil pumps for transfer of oil from storage to the kilns are 10gpm. In the event of a pipeline rupture the control room operator would immediately notice the change in oil pressure and direct the kiln operator to investigate and shut down the waste oil pump if necessary.

6. PREVENTION MEASURES:

Drainage Control Diversionary Structures and Containment 112.7(c)

112.7(c) Provide appropriate containment and/or diversionary structures or equipment to prevent discharged oil from reaching a navigable water course. One of the following preventive systems or its equivalent should be used as a minimum:

(i) Dikes, berms or retaining walls sufficiently impervious to contain spilled oil;
(ii) Cubing;
(iii) Culverting, gutters or other drainage systems;
(iv) Weirs, booms or other barriers
(v) Spill diversion ponds;
(vi) Retention ponds;
(vii) Sorbent materials.

Item	Tank ID	Location	Diversionary Structures & Containment	
Aboveground Storage containers				
1	425,000 Gal Tank	Kiln Oil Storage Area	S. Containment	Concrete walls and Floor
2	25,000 Gal Tank	kiln Oil Storage Area	S. Containment	Concrete walls and Floor
3	Diesel Tank	Kiln Oil Storage Area	S. Containment	Concrete walls and Floor
4	Spent Solvent Drum	#7 Storage Area	S. Containment	Plastic Drum Pallet
5	Spent Antifreeze Drum	#7 Storage Area	S. Containment	Plastic Drum Pallet
6	Used oil filters Dru;m	#7 Storage Area	S. Containment	Plastic Drum Pallet
7	Used Absorb. Pads	#7 Storage Area	S. Containment	Plastic Drum Pallet
8	Used Absorb. Pads	#7 Storage Area	S. Containment	Plastic Drum Pallet
9	Solvent Container	Maint. Shop Oil Storage	S. Containment[1]	Concrete Curb and Floor
10	Hydraulic Oil Container	Maint. Shop Oil Storage	S. Containment[1]	Concrete Curb and Floor
11	Lub Oil Drum	Maint. Shop Oil Storage	S. Containment[1]	Concrete Curb and Floor
12	Lub Oil Drum	Maint. Shop Oil Storage	S. Containment[1]	Concrete Curb and Floor
13	Lub Oil Drum	Maint. Shop Oil Storage	S. Containment[1]	Concrete Curb and Floor
14	Grease Drum	Maint. Shop Oil Storage	S. Containment[1]	Concrete Curb and Floor
15	Hydraulic Oil Drum	Maint. Shop Oil Storage	S. Containment[1]	Concrete Curb and Floor
16	Waste Oil Drum	Maint. Shop Oil Storage	S. Containment[1]	Concrete Curb and Floor
17	Antifreeze Drum	Area 8 Lub Room	S. Containment[2]	Conc/metal Curb & Floor
18	Solvent Drum	Area 8 Lub Room	S. Containment[2]	Conc/metal Curb & Floor
19	Trans. Fluid Drum	Area 8 Lub Room	S. Containment[2]	Conc/metal Curb & Floor
20	Lub Oil Drum	Area 8 Lub Room	S. Containment[2]	Conc/metal Curb & Floor
21	Hydraulic Oil Drum	Area 8 Lub Room	S. Containment[2]	Conc/metal Curb & Floor
22	Lub Oil Drum	Area 8 Lub Room	S. Containment[2]	Conc/metal Curb & Floor
23	Lub Oil Drum	Area 8 Lub Room	S. Containment[2]	Conc/metal Curb & Floor
24	Portable Diesel Tank	South No.1 MCC	S. Containment	Integral Steel Containment Tank
Unloading and fueling stations				
1	Waste Oil Unloading	Next to Fuel Oil Storage	S. Containment	Concrete Curb & Floor
2	Diesel Fueling	Next to Fuel Oil Storage	S. Containment	Concrete Curb & Floor
Above Ground Piping				
1	Fuel Oil Unloading to Tank Containment	East of Kilns	Containment[4]	Asphalt Depressions and Ditches
2	Fuel Oil Tank Containment to Kilns	Kiln Area	Containment[4]	Asphalt & Soil Depressions and Ditches

1. An oil diversion berm must be installed inside the building.
2. An oil containment berm must be installed inside the building.

4. Soil between the storage tanks and the unloading station and to the southwest of the loading station must be installed to prevent spills from seeping into the ground.

7. INSPECTIONS, TESTING AND RECORDKEEPING:

112.7(e) Inspections tests and records. Conduct Inspections and tests required by this part in accordance with written procedures that you or the certifying engineer develop for the facility. You must keep these written procedures and a record of the inspections and tests, signed by the appropriate supervisor or inspector, with the SPCC Plan for a period of three years. Records of inspections and tests kept under usual and customary business practices will suffice for purposes of the paragraph.

Written inspection procedures (e.g., checklist) and tests should be included in the SPCC Plan. Documentation of the inspections and tests can be maintained in a separate location other than the SPCC Plan as long as their location is referenced as a part of the SPCC Plan for three years.

Inspections of the oil storage and handling facilities at the Rivergate plant include: daily visual inspections of storage tanks and piping for leaks or spills, ;monthly integrity inspections of tanks and piping, annual visual inspections of secondary containment and response equipment. Any leaks, spills or maintenance problems are reported to the maintenance department for immediate correction.

The individual inspections are described as follows:

- Daily Visual Inspections – Operators will visually inspect the storage tanks, pumps, piping and valves on a daily basis for leaks or spills and take immediate corrective action to stop the leaks and clean-up spilled oil. These inspections will be part of the routine activities of operations and will not be recorded unless a leak or spill is identified.
- Monthly Integrity Inspections – The EH&S Manager will make a monthly inspection of the kiln oil storage tanks, pumps, piping, valves, truck unloading station and portable diesel storage tank using the checklist in Appendix 3. The inspections will be documented and maintained for 3 years in the SPCC file.
- Annual Inspections – The EH&S Manager will perform annual inspections of the kiln oil storage, No. 7 Oil Storage Area, Maintenance Shop Oil Storage Area and No. 8 Lub Room and portable diesel storage tank secondary containment systems, and the Response Equipment Storage Area using the checklist in Appendix 3. The inspections will be documented and maintained for 3 years in the SPCC file.

The EH&S Manager will arrange for external ultrasonic testing for wall thickness of the three bulk oil storage tanks by a qualified person on a five (5) year frequency consistent with the requirements of API 653. The first ultrasonic tests will be scheduled for 2003. The results will be maintained in the SPCC file for the life of the tanks.

The EH&S Manager will arrange for internal inspection and ultrasonic testing of the bottom thickness of the two waste oil storage tanks on a 10 year frequency using a qualified person consistent with the requirements of API 653. The first internal inspections and ultrasonic tests will be scheduled for 2003. The results will be maintained in the SPCC file for the life of the tanks.

8. PERSONNEL TRAINING AND SPILL PREVENTION PROCEDURES:

A. Training

112.7(f)(1)&(3) Personnel, training and discharge prevention procedures. (i) Owners and Operators are responsible for providing initial training and annual refresher training for oil handling personnel in the operation and maintenance of equipment to prevent discharges; discharge procedure protocols: applicable pollution control laws, rules and regulations; general facility operations and the contents of the facility SPCC Plan.

Employees involved with operation and maintenance of oil handling equipment receive operating and maintenance training and spill prevention training before they can independently work the job. They also receive annual refresher training. The training includes a review of the SPCC Plan, spill prevention requirements and spill reporting. Attendance records are maintained for documentation.

B. Designated person accountable for spill prevention :

112.7(f)(2) Personnel, training and spill prevention procedures. Each facility must designate a person who is accountable for oil spill prevention and who reports to facility management.

Glenn Dollar is the designated person accountable for spill prevention.

9. SITE SECURITY

A. Fencing:

112.7(g) (1) Security. All plants handling, processing, and storing oil should be full fenced, and entrance gates should be locked and/or guarded when the plant is not in production or is unattended.

The Rivergate plant has a 6-foot high chain link fence topped with three strands of barbed wire around three sides of the facility. There is no fence where the plant site borders the river. There are three entrances to the plant which is always open. The plant operates 24 hours per day, 365 days per year so there are employees on site at all times.

B. Flow valves locked:

112.7(g) (2) Security. Ensure that the master flow and drain valves and any other valves that will be permitting direct outward flow of the container's contents to the surface have adequate security measures so that they remain in the closed position when in non-operating or non-standby status.

All drain and discharge valves from the kiln bulk storage tanks are locked closed when not in use.

C. Starter controls locked:

112.7(g) (3) Security. Lock the starter control on each oil pump in the 'off' position and locate it at a site accessible only to authorized personnel when the pump is in a non-operating or non-standby status.

The power switches for the kiln storage tank pumps are located in the motor control center at the kilns and are locked open when not in use.

D. Pipeline loading/unloading connections securely capped:

112.7(g)(4) Security. The loading/unloading connections of oil and pipelines should be securely capped or blank-flanged when not in service or standby service for an extended time. This security practice should also apply to pipelines that are emptied of liquid content either by draining or by inert gas pressure.

Pipeline connections are securely capped when they are not in use and blank-flanged when they are in standby service for an extended time. All out of service pipelines are evacuated of their contents.

E. Lighting adequate to detect spills:

112.7 (g)(5) Security. Provide facility lighting commensurate with the type and location of the facility that will assist in the:

(A) Discovery of discharges occurring during hours of darkness, both by operating personnel, if present, and by nonoperating personnel (the general public, local police, etc.), and

(B) Prevention of discharges occurring through acts of vandalism

Lighting is provided in the Kiln Oil Storage Area, the Kiln Oil Unloading Station and the three drum storage areas that is suitable to detect leaks and avoid vandalism.

10. TANK TRUCK UNLOADING OPERATIONS:

A. DOT regulations:

The facility complies with the following Department of Transportation requirements for unloading trucks:

- The truck handbrake is set while loading and unloading.
- The truck is attended by a qualified person at all times when it is being unloaded.
- "No Smoking" signs, and grounding and bonding is performed when unloading flammable materials.
- The truck engine is stopped (unless needed for pump operation) when unloading flammable materials.

B. Secondary containment for vehicles:

112.7(h) (1) Facility tank car and tank truck loading/unloading rack (onshore);
Where unloading area drainage does not flow into a catchment basin or treatment facility designed to handle discharges, a quick drainage system should be used for tank truck loading and unloading areas. You must design any containment system to hold at least the maximum capacity of any single compartment of a tank car or tank truck loaded or unloaded in the plant.

This section describes the design and capacity of secondary containment for truck loading/unloading areas including transfer operations related to both aboveground tanks and underground tanks.

The Rivergate plant has a concrete containment area for kiln oil unloading. The containment is undercover so rain water does not accumulate. The total volume as calculated in Appendix 2 is 5,498 gallons. Ash Grove will obtain a written agreement with the oil supplier that the maximum capacity of a single truck compartment delivering oil to the facility will not exceed 5000 gallons.

C. Warning or barrier system for vehicles:

112.7(h) (2) Facility tank car and tank truck loading/unloading rack (onshore);
Provide an interlocked warning light or physical barrier system, warning signs, wheel chocks or vehicle break interlock system in loading/unloading areas to prevent vehicular departure before complete disconnect of flexible or fixed transfer lines.

Warning signs will be posted in the kiln unloading area, to prevent vehicular departure before disconnecting flexible or fixed transfer lines. The warning signs will state: "Disconnect and cap all unloading hoses prior to departure".

11. REPAIRED, ALTERED OR RECONSTRUCTED OIL TANKS:

112.7(i) If a field constructed aboveground container undergoes a repair, alteration, reconstruction, or a change in service that might affect the risk of a discharge due to brittle fracture or has discharged oil or failed due to brittle fracture failure the Owner or Operator must evaluate the risk and take appropriate action.

If repairs, alterations, reconstruction or change of service occur for the bulk oil storage tanks, the Rivergate plant will have a qualified person assess the risks of failure.

12. FACILITY DRAINAGE

A. Drainage Control From Secondary Containment:

112.8(b) (1) Facility drainage. Restrain drainage from diked storage by valves to prevent a discharge into the drainage system or facility effluent treatment system, except where facility systems are designed to control such discharge. You may empty diked areas by pumps or ejectors; however, you must manually activate these pumps and must inspect the accumulation before starting, to be sure no oil will be discharged.

This section describes drainage in areas of the facility which have localized secondary containment. Localized containment is specifically designed to retain drainage in operating areas of a facility (e.g., AST farm, truck loading/unloading rack, pipeline areas).

Item	Tank ID Source	Secondary Containment
1	Kiln Oil Storage Area	The diked area is drained to a low point in the southeast corner. A manually operated sump pump is used to pump storm water over the retaining wall to the ground adjacent to the containment area where it percolates and evaporates.
2	Kiln Oil Unloading Station	This unloading station is under roof and no storm water enters the containment area. Therefore, no provisions are made for removing storm water.
3	No. 7 Oil Storage Area	Tanks are under roof so no provisions for storm water control are provided.
4	Maintenance Shop Oil Storage Area	Tanks are under roof so no provisions for storm water control are provided.
5	No. 8 Lub Oil Storage Area	Tanks are under roof so no provisions for storm water control are provided.
6	Portable Diesel Tank	This tank is provided with an integral steel containment that which is transported with the tank to collect any leaks or spills during transfer or storage operations.

B. Valves used on diked area storage:

112.8(b)(2) Facility drainage (onshore). Use valves of manual, open-and –closed design, for the drainage of diked areas. You must not use flapper-type drain valves to drain diked areas. When facility drainage drains directly into water courses and not into wastewater treatment plants, retained storm water must be inspected before drainage.

The containment areas at the Rivergate plant have either manually operated pumps or open/closed drain valves to remove storm water. After visual inspection and confirmation that storm water is not contaminated, storm water is pumped out of the containment. Appendix 5 has the standard operating procedure for inspection and pumping of storm water from the secondary containment areas.

C. Plant drainage systems from undiked areas:

112.8(b)(3) Facility drainage (onshore). Facility drainage systems from undiked areas with the potential for discharge (such as where piping is located outside containment walls or where tank truck discharges may occur outside the loading area) should be designed, if possible, to flow into ponds, lagoons or catchment basins, designed to retain oil or return it to the facility. Catchment basins should not be located in areas subject to periodic flooding.

Above ground oil piping in the kiln area is the only potential oil discharge point that will not be locally contained. Leaks from this piping will generally be contained under the kilns. In the event oil originating from this piping flows outside of the covered area of the kilns when it is raining, it will flow either to the north into two large depressions in the center of the plant or to the south into a ditch along the south property line which is dammed up to prevent further oil migration. From these areas it can be cleaned up without offsite discharges.

D. Final discharge of drainage:

112.8 (b) (4) Facility drainage (onshore) If facility drainage is not engineered as in 112.8(b)(3), equip the final discharge of all in plant ditches should be equipped with a diversion system that would, in the event of an uncontrolled spill, return the oil to the plant.

All potential sources of oil are adequately contained.

E. Facility Drainage Systems and Equipment

112.8 (b)(5) Facility drainage (onshore). Where drainage waters are treated in more than one treatment unit, and such treatment is continuous, and pump transfer is needed, provide two "lift" pumps and permanently install at least one of the pumps. Whatever techniques you use, you must engineer facility drainage systems to prevent a discharge in case there is an equipment failure or human error at the facility.

This section is not applicable because the Rivergate plant does not treat drainage water.

13. BULK STORAGE TANKS/SECONDARY CONTAINMENT:

A. Storage Tank Materials of Construction

112.8(c)(1) Bulk storage tanks (onshore). No tank should be used for the storage of oil unless its material and construction are compatible with the material stored and conditions of storage such as pressure and temperature, etc.

Describe in detail the construction of all aboveground storage tanks and their compatibility with the liquids that they hold. Identify which standards (e.g., API standards) of construction have been followed and features of the individual tanks (e.g., double bottoms, coatings).

The three (3) kiln bulk storage tanks are carbon steel construction and have been in service for many years without visible leaks or corrosion. Although the tank design standards are not

available, the fact that the materials stored (i.e., No. 6 oil, diesel and waste oil) are not corrosive and there has been no visible evidence that the tanks are improperly designed, it is reasonable to assume that the tanks meet the requirements of 112.8© (1).

B. Diked area construction and containment volume for storage tanks:

112.8(c)(2) Bulk storage tanks (onshore). Construct all bulk storage container installations so that you provide a secondary means of containment for the entire capacity of the largest single container plus sufficient freeboard to contain precipitation. You must insure that the diked areas are sufficiently impervious to contain discharged oil. Dikes, containment curbs, and pits are commonly employed for this purpose. You may also use an alternative system consisting of a drainage trench enclosure that must be arranged so that any discharge will terminate and be safely confined in a facility catchment basin of holding pond.

The Rivergate plant Kiln Oil Storage Area has a concrete slab, surrounded by steel reinforced, concrete walls for containment. Secondary containment is designed to hold the entire contents of the largest tank (425,000 gallons) plus 6-inches of freeboard to allow for precipitation. The 100 gallon portable diesel storage tank is provided with a secondary containment system consisting of an integral steel containment tank which is permanently attached to the protable diesel storage tank.

C. Diked area, inspection and drainage of rainwater:

112.7(c)(3) Bulk storage tanks (onshore). Don't allow drainage of rainwater form the diked area into a storm drain or an effluent discharge that empties into an open water course, lake, or pond, bypassing the in plant treatment system unless you:

1. *Normally keep the bypass valve sealed closed.*
2. *Inspection of the retained rainwater to ensure that its presence will not cause a discharge as described in 112.1(b).*
3. *Open the bypass valve and resealed it following drainage under responsible supervision.*
4. *Keep adequate records of such events.*

This section should include a detailed discussion of the inspection and drainage procedures used for diked areas and how drainage discharge is documented (e.g., checklist noting the appearance of the water, time of valve opening, time of valve closing, signature of inspector, etc.) This section should also include a discussion of an alternate method of drainage to be employed if an oil sheen or oil accumulation is observed.

After visual inspection of the containment for the absence of free product, oil sheens, or iridescent colors, storm water is drained or pumped out of the containment to the ground adjacent to the containment. The drain valves or pumps are manually operated. If the storm water is contaminated with oil, the oil is removed with absorbent pads before pumping or draining the water from the containment. Records of secondary containment drainage are kept in the Kiln Control Room. Secondary containment drainage procedures and a log sheet are included in Appendix 5.

D. Buried metalic storage tanks integrity testing:

112.8(c)(4) Buried metallic storage tank integrity testing. Protect any completely buried metallic storage tank installed on or after January 10, 1974 from corrosion by coatings or cathodic protection compatible with local soil conditions. You must regularly leak test such completely buried metallic storage tanks.

This does not apply to the Rivergate plant because there are no buried metallic storage tanks.

E. Partially buried or bunkered metallic storage tank corrosion protection:

112.8(c)(5) Do not use partially buried or bunkered metallic tanks for the storage of oil, unless you protect the buried section of the tank from corrosion. You must protect partially buried and bunkered tanks from corrosion by coatings or cathodic protection compatible with local soil conditions.

This does not apply the Rivergate plant because there are no partially buried metallic tanks.

F. Aboveground tank periodic integrity testing:

112.7(c)(6) Bulk storage tanks (onshore). Test each aboveground container for integrity on a regular schedule, and whenever you make material repairs. The frequency of the type of testing must take into account container size and design (such as floating roof, skidmounted, elevated , or partially buried). You must combine visual inspection with another testing technique such as hydrostatic testing, radiographic testing, ultrasonic testing, acoustic emissions testing, or another system of nondestructive shell testing. You must keep comparison records and you must also inspect the containers supports and foundation. In addition, you must frequently inspect the outside of the container for signs of deterioration, discharges, or accumulation of oil inside diked areas. Records of inspections and tests kept under usual and customary business practices will suffice for purposes of this paragraph.

Tanks are observed daily by facility personnel during operating hours. Formal inspections are conducted monthly to examine the exterior of the tanks and the piping. These monthly inspections are documented using the report form, which can be found in Appendix 3.

The wall thickness of kiln storage tanks is ultrasonically tested from the outside of the tank every 5 years. The inside of the kiln storage tanks is visually inspected and bottoms ultrasonically tested every 10 years.

G. Control of leakage from internal heating coils:

112.8(c)(8)control of leakage from internal heating coils. Control leakage through defective internal heating coils by monitoring the steam return and exhaust lines for contamination from internal heating coils that discharge into an open watercourse, or pass the steam return or exhaust lines through a settling tank, skimmer, or other separation or retention system.

This requirement does not apply at the Rivergate plant because there are no steam heating coils.

H. Tank installation fail-safe engineered:

112.8(c)(8) Bulk storage tanks (onshore). Engineer or update each container installation in accordance with good engineering practice to avoid discharges. You must provide at least one of the following devices:

(A) High liquid level alarms with an audible or visual signal at a constantly attended operation or surveillance station. In smaller facilities an audible air vent may suffice.
(B) High liquid level pump cutoff devices set to stop flow at a predetermined tank content level.
(C) Direct audible or code signal communication between the tank gauger and the pumping station.
(D) A fast response system for determining the liquid level of each bulk storage container such as digital computers, telepulse, or direct vision gauges. If you use this alternative, a person must be present to monitor gauges and the overall filling of bulk storage containers.
(E) *You must regularly test liquid level sensing devices to ensure proper operation.*

The following table identifies the fail-safe engineering for the kiln storage tanks. These tanks are equipped with various types of level sensing devices.

Item	Fail-safe Engineering
1	425,000 gal Waste Oil Tank – Ultrasonic level gauge with readout in kiln control room.
2	25,000 gal Waste Oil Tank – Ultrasonic level gauge with readout in kiln control room.
3	4,000 gal Diesel Tank – Float with visible gauge on outside of tank visible to the person unloading the oil.

I. Observation of disposal facilities for effluent discharge:

112.7(c)(9) Bulk storage tanks (onshore). Observe effluent treatment facilities frequently enough to detect possible system upsets that could cause a discharge as described in 112.1(b).

This requirement does not apply to the Rivergate plant because there are no effluent treatment facilities.

J. Visible oil leak corrections from tank seams and gaskets:

112.8(c)(10) Bulk storage tanks (onshore). Promptly correct visible which result in lose of oil from the container, including but not limited to seams, gaskets, piping, pumps, valves, rivet, and bolts. You must promptly remove any accumulations of oil in diked areas.

Visible oil leaks are reported to the maintenance department through a work order system, so that they can be fixed immediately. The maintenance department informs the plant operator when the repair has been completed or if additional time is needed to obtain parts and remedy the leak. Measures will be taken to minimize and mitigate the leak, while awaiting repair. Any spilled oil is cleaned up immediately by the operations personnel. Oil spill cleanup supplies are located in the store room.

K. Appropriate position of mobile or portable oil storage tanks:

112.8(c)(11) Bulk storage tanks (onshore). Position or locate mobile or portable oil storage containers to prevent a discharge

The Rivergate plant has one 100-gallon portable diesel tank which is filled at the kiln unloading station and transported to the dock area by forklift.

14. FACILITY TRANSFER OPERATIONS:

A. Buried piping installation protection and examination:

112.8(d) (1) Facility transfer operations, pumping, and facility process (onshore). Provide buried piping that is installed or replaced on or after August 16, 2002, with a protective wrapping and coating.

This does not apply to the Rivergate plant because they have no buried oil piping.

B. Not-in-service and standby service terminal connections:

112.8(d) (2) Facility transfer operations, pumping, and in plant process (onshore). Cap or blank-flange the terminal connection at the transfer point and mark it as to origin when piping is not in service or is in standby service for an extended time.

Terminal connections in the kiln truck unloading station are capped when not in use. Pipelines that are out of service are evacuated and blank flanged. Due to the close proximity of the aboveground piping outlets and the source, the out-of-service pipes do not need to be marked with product content.

C. Pipe Supports design:

112.8(d) (3) Facility transfer operations, pumping, and in plant process (onshore). Properly design pipe supports to minimize abrasion and corrosion and allow for expansion and contraction.

Pipe supports are constructed of steel, with concrete foundations. The steel serves as a platform for the piping and is designed to prevent excess movement, but allow for expansion and contraction.

D. Aboveground valve and pipeline examination:

112.8(d) (4) Facility transfer operations, pumping, and in plant process (onshore). Regularly inspect all aboveground valves, piping, and appurtenances. During the inspection you must assess the general condition of items, such as flange joints, expansion joint, valve glands and bodies , catch pans, pipeline supports, locking of valves, and metal surfaces. You must also conduct integrity and leak testing of buried piping at the time of installation, modification, construction, relocation, or replacement.

All piping at the Rivergate plant is aboveground. Valves, pipelines and pipe supports are observed throughout the day by operations personnel. Aboveground pipelines and valves are also examined during the monthly inspections discussed in Section 7.

E. Aboveground piping protection form vehicular traffic:

112.8(d) (5) Facility transfer operations, pumping, and in plant process (onshore). Warn all vehicles entering the facility to be sure that no vehicle will endanger above ground piping or othe roil transfer operations

All contractors, suppliers and employees are provided MSHA training. This training will be expanded to include warnings about the danger of hitting and damaging above ground piping with mobile equipment and trucks.

15. SPCC CORRECTIVE ACTION:

The following compliance items should be implemented in 2005.

- Perform external ultrasonic testing of the three (3) kiln oil storage tanks.
- Conduct internal visual inspection and ultrasonic testing of the bottoms of the two (2) kiln waste oil tanks.
- Obtain a written agreement with your waste oil supplier that they will deliver waste oil in trucks with a maximum compartment capacity of 5000 gallons.

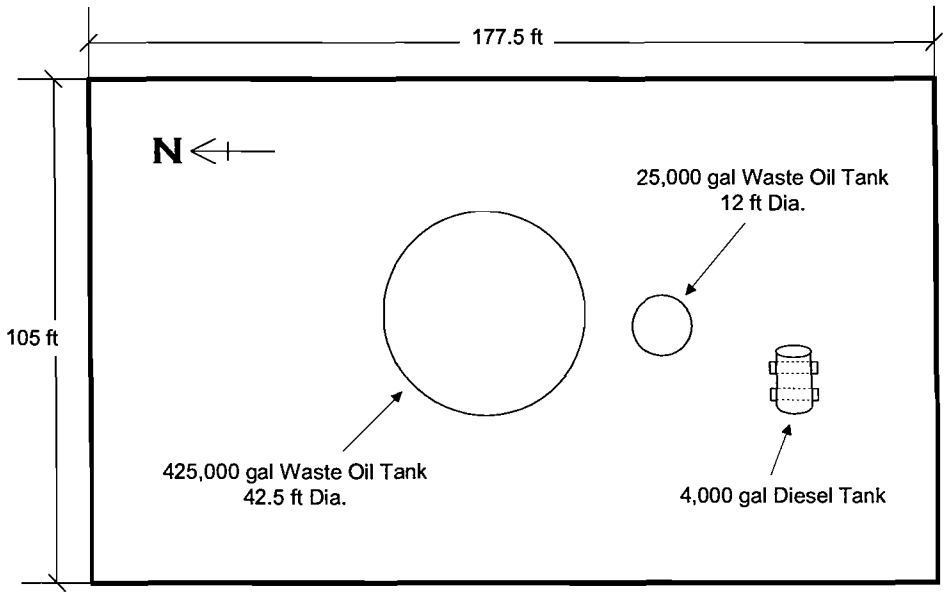
APPENDIX 1

SITE MAP

APPENDIX 2

SECONDARY CONTAINMENT CALCULATIONS FOR DIKED AREAS

CONTAINMENT CALCULATION
Kiln Oil Storage Secondary Containment Basin



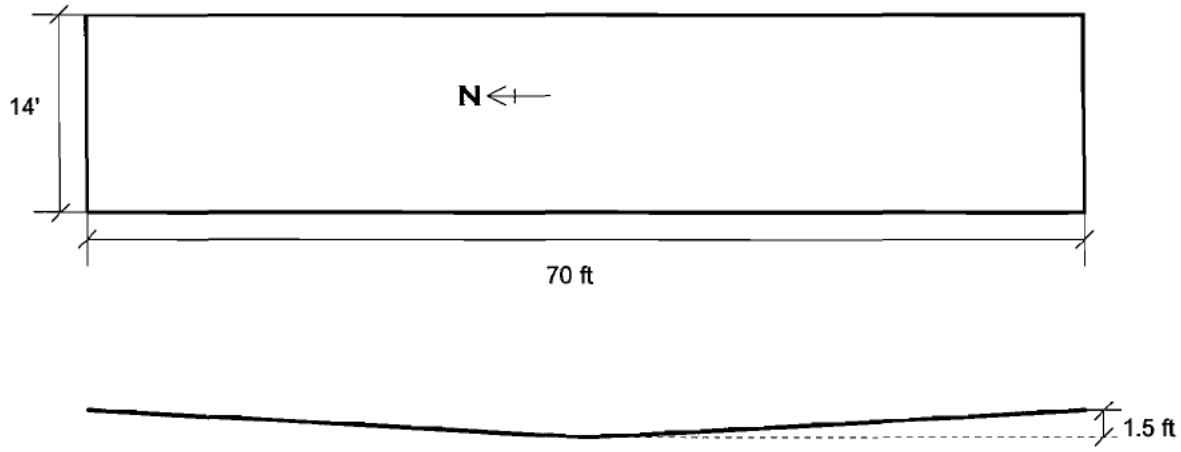
Volume of Containment:
Length = 177 ft, 6 inches
Width = 105 ft
Average Height of Wall = 4 ft, 2 inches
Freeboard Allowance = 6 inches
Available Height of Wall = 4 ft, 2 inches – 6 inches = 3 ft, 8 inches
Total Volume of Containment Area = 177 ft, 6 inches x 105 ft x 3 ft, 8 inches = 68,400 ft^3

Reduce total volume by volume occupied by waste oil tank.
Tank Diameter = 12 ft
Tank Height = 3 ft, 8 inches
Tank Volume within containment = 12 ft^2 x 0.785 x 3.67 ft = 415 ft^3
Effective Volume of Containment = 68,400 ft^3 – 415 ft3 – 67,985 ft^3

Volume of Largest Tank In Containment
Diameter = 42 ft, 5 inches
Height = 40 ft
Volume = 40.5 ft^2 x 0.785 x 40 ft = 65,610 ft^3

Required Containment Volume
Volume of largest tank = 65,610 ft^3
Effective volume of containment = 68,400 ft^3
Therefore, secondary containment is large enough.

CONTAINMENT CALCULATION
Kiln Oil Unloading Station

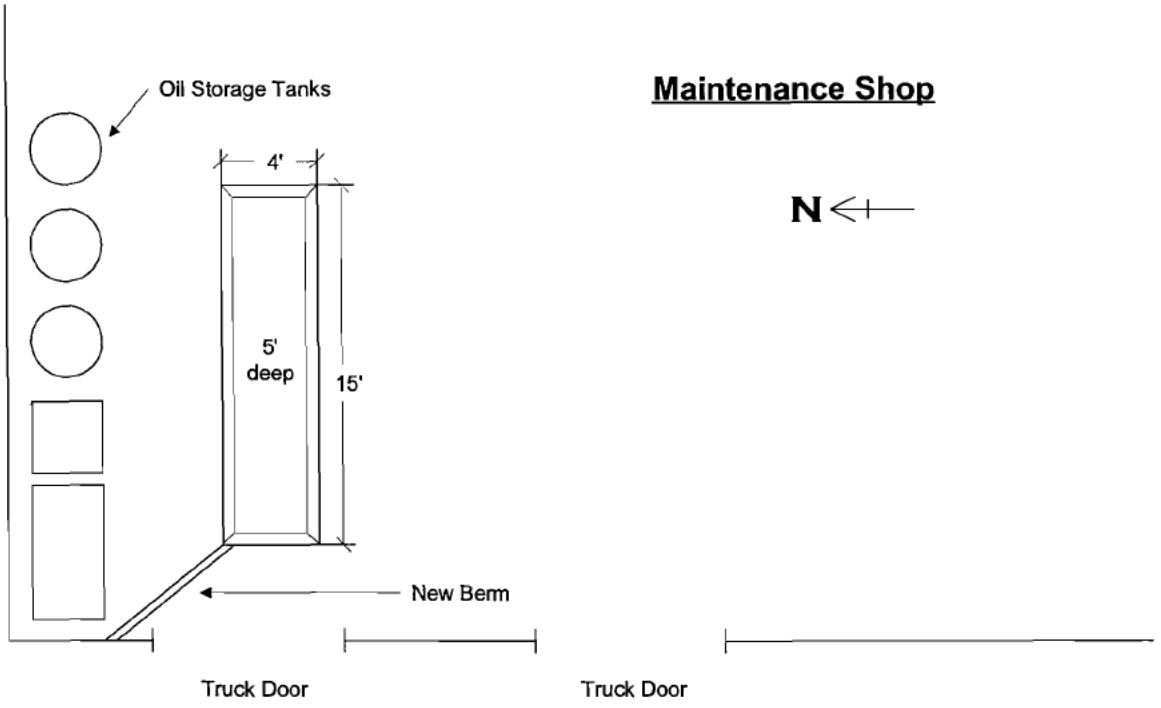


Volume of Containment:
Length = 70 ft
Width = 14 ft
Depth = 1.5 ft
No freeboard allowance provided because unloading area is covered.
Effective Volume = 70 ft^2 x 1.5 ft x 14 ft = 735 ft^3
Effective Volume = 735 ft^3 x 7.48 gal/ft^3 = 5498 gal.

Volume of Truck
Ash Grove has an agreement with oil suppliers no to use trucks with capacities of a single compartment greater than 5000 gallons.

Required Containment
Effective volume 5498 gals is large enough for trucks with 5000 gallon compartments.

CONTAINMENT CALCULATION
Maintenance Shop Oil Storage

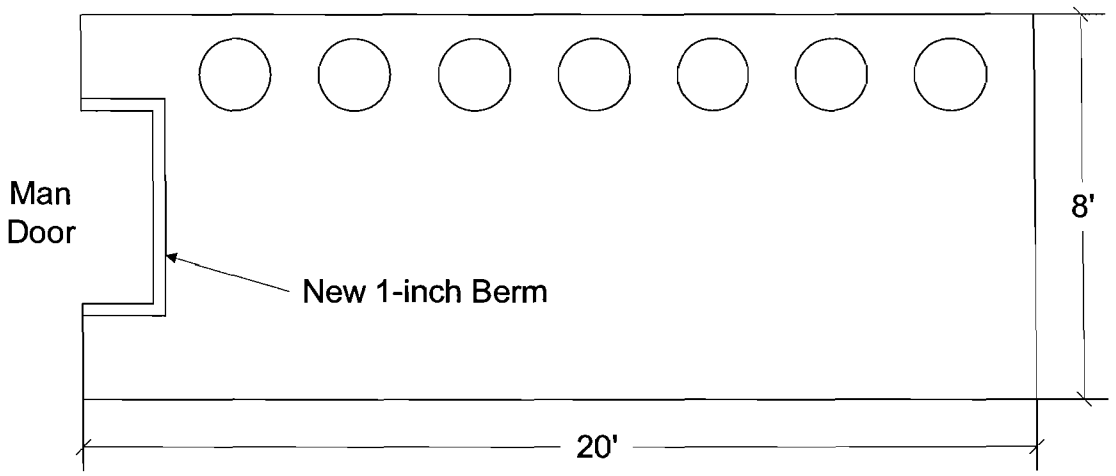


Volume of Containment:
Length = 15 ft
Width = 4 ft
Depth = 5 ft
Volume = 15 ft x 4 ft x 5 ft = 300 ft^2 = 2,200 gallons.

Volume of Tank
Volume of largest tank = 60 gallons

Required Containment
Containment is adequate.

CONTAINMENT CALCULATION
No. 8 Lub Oil Room

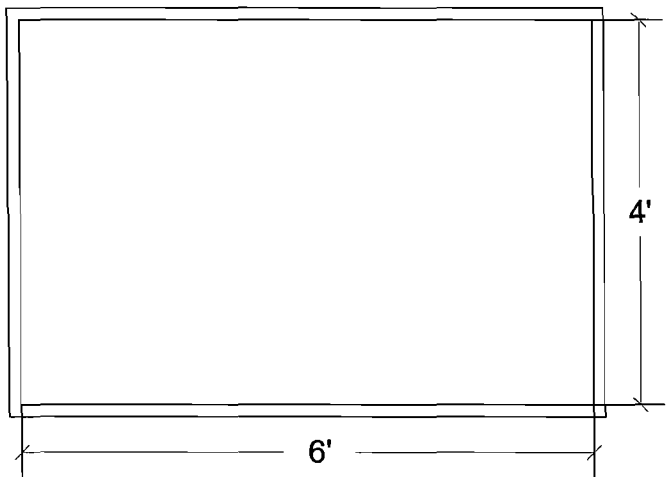


Volume of Containment:
Length = 20 ft
Width = 8 ft
Depth = 1-inch
Volume = 20 ft x 8 ft x 1/12 ft = 13.3 ft^3= 100 gals.

Volume of Container
Volume of largest container = 55 gallons

Required Containment
Containment is adequate.

CONTAINMENT CALCULATION
100 Gallon Mobile Diesel Storage Tank



Volume of Containment:
Length = 6 ft
Width = 4 ft
Depth = 14-inches
Free Board = 6-inches
Effective Depth = 8-inches
Effective Volume = 6 ft x 4 ft x 8/12 ft = 16 ft^3= 120 gals.

Volume of Container
Volume of largest container = 100 gallons

Required Containment
Containment is adequate.

APPENDIX 3

VISUAL INSPECTION CHECKLIST

Visual Equipment Inspection Checklist

Check tanks for leaks, specifically looking for:

- Drip marks, (evidence of overflow)
- Discoloration on the tanks,
- Puddles of oil on the ground,
- Signs of corrosion or rust,
- Cracks, or
- Localized dead vegetation.

Check foundation for:

- Cracks,
- Discoloration,
- Puddles of oil on the ground,
- Settling,
- Gaps between the tank and the foundation, and
- Damage caused by vegetation roots.

Check piping valves and pumps for:

- Proper operation,
- Droplets of oil,
- Discoloration on piping,
- Corrosion,
- Sagging of pipeline between pipe supports,
- Signs of seepage at valves, flanges and seals, and
- Localized dead vegetation.

Secondary Containment Inspection Checklist

Check secondary containment and retaining wall for:

- *Accumulated precipitation and available capacity,*
- *Cracks in the wall or floor,*
- *Discoloration,*
- *Puddles of oil inside containment,*
- *Corrosion, and*
- *Operation of sump pumps,*
- *Debris.*

Response Equipment Inspection Checklist

- *Inventory, (by item and quantity),*
- *Storage location,*
- *Accessibility (time to access and deploy),*
- *Operational status and condition,*
- *Date of last test and testing frequency,*
- *Shelf life (current age and expected replacement date).*

Inspector:_____ **Date:**_____

APPENDIX 4

SPILL NOTIFICATION FORM

SPILL RESPONSE NOTIFICATION FORM*

Report the following information to National, State and Local Agencies.

National Response Center:	(800) 424-8802	Contact:	Time:
Oregon Emergency Management Service	(800) 452-0311	Contact:	Time:
Local Agencies	911	Contact:	Time:

Reporter's Name:_____ Reporter's Date: ____

Company:_____ Position:_____ Phone:_____

Address:_____ City:_____ State:___ Zip:_____

Were materials released? (Y/N)__ **Responsible party** name:_____ Contact: Y/N

Has Release Migrated Offsite? (Y/N)__ Phone:_____ Organization:_____

INCIDENT DESCRIPTION

Location of Incident:_____ Address:_____

Nearest City:_____ Distance to City:_____

Source and/or Cause of Incident: Date:_____ Time:_____ (AM/PM)

Description:_____

Direction of Spill Movement:_____ Speed Estimate_____

Failed Container: Type: (Above Ground/ Below Ground/ Unknown) Other:_____

Container Capacity:_____ Facility capacity:_____

Environmental Conditions: Wind Direction:_____ Wind Speed:_____

Current Direction:____ Current Speed:_____

MATERIAL DESCRIPTION

Material type:	Material Released:	Quantity:	Released to Water:	Quantity:
1.		(gal)	(Y/N)	(gal)
2.		(gal)	(Y/N)	(gal)
3.		(gal)	(Y/N)	(gal)

RESPONSE ACTION

Description of Actions Taken to Correct, Control, or Mitigate Incident:

_____

_____

Discharge Stopped: (Y/N) Rate of Continuing Release:

Impact Number of Injuries:_____ Number of Deaths:_____

Evacuations: (Y/N) Number Evacuated:_____

Damage: (Y/N) Damage Estimate in Dollars:_____

Description of Damage:

Use reverse side to record information not reported elsewhere.

* It is not necessary to wait for all information before calling the NRC.

APPENDIX 5

REMOVING RAINWATER FROM SECONDARY CONTAINEMENTS

Removing Rainwater from Oil Storage Containments

Standard Operating Procedure

This document provides instruction on removing rainwater from Oil Storage Area containments. Workers who will do the actual observation and pumping must be trained by the EH&S Manager. No one will be permitted to do the observation and pumping unless he/she has been trained and this training is documented.

All rainwater must be removed by opening a locked drain valve or with a portable pump. It is not permitted to leave a drain valve open or remove rain water with an automatically operated "sump pump".

Before any water can be pumped from the containment structure it must be inspected for any signs of contamination. Signs of contamination by oil may included discoloration, but usually is a visible sheen on the surface. **Do not pump any water that shows any signs of visible oil contamination.** Contact your supervisor or the shift foreman if you find any oil contamination.

Remove any oil with absorbent pads, then drain or pump clean water from the containment.

Storm Water Transfer Log
Oil Storage Area Containments

Date _____ Operator_____

Containment ☐ Kiln Oil Storage
☐ Portable Diesel Tank

Storm Water Depth _____

Visual Quality

Discolored Water	☐ yes	☐ no
Visible Sheen	☐ yes	☐ no
Floating Oil	☐ yes	☐ no

Action

Skimmed Oil _____

Pumped to ground _____

Pumped to truck for disposal _____

Oregon

DEPARTMENT OF ENVIRONMENTAL QUALITY

NORTHWEST REGION

FILE 18-2

December 14, 1994

RICHARD GABEL
ASH GROVE CEMENT COMPANY
13939 N RIVERGATE BLVD
PORTLAND OR 97203

Re: WQ-Multnomah County
Ash Grove Cement Company
Facility No. 3690
WQ-NWR-94-134
NOTICE OF NONCOMPLIANCE

Dear Mr. Gabel:

A review of the monitoring data submitted by Ash Grove Cement Company per the requirements of National Pollutant Discharge Elimination System (NPDES) Permit No. 100865 indicates that the following violation occurred during on November 28, 1994:

pH outside of range 6 to 9; measured pH was 11.65.

The above exceedence is a Class II violation of your permit. Oregon Administrative Rule 340-12-041(2)(c) provides that a permittee shall not receive more than three NONs for Class II violations of the same permit within a thirty-six (36) month period without being issued a more formal enforcement action called a Notice of Permit Violation (NPV). The Department may, however, issue an NPV prior to the third NON. The Department requests your cooperation in ensuring that this violation does not recur.

If the Department can be of any help in preventing further violations, please call Elliot Zais at 229-5292.

Sincerely,

Neil J. Mullane

Neil J. Mullane, Manager
Water Quality Source Control

EJZ

cc: WQ
Enforcement

2020 SW Fourth Avenue
Suite 400
Portland, OR 97201-4987
(503) 229-5263 Voice/TDD

DEQ-1

ASH GROVE CEMENT COMPANY

RIVERGATE LIME PLANT — WESTERN REGION
13939 N. RIVERGATE BLVD.
PORTLAND, OREGON 97203
PHONE 503-286-1677
FAX 503-289-2272

12-05-94

Sampled by: Gary Wright
Quality and Process Engineer

Analysis Date: 11-28-94

Analysis Personnel: a. Gary Wright
b. Water, Food, and Research Laboratories

Analytical Method: Approved methods as outlined in "Standard Methods for the Examination of Water and Wastewater."

pH: Orion pH Meter
turbidity: Nephelometric Method
suspended solids: TSS dried at 103-105 degrees centigrade

Results of such analysis:

GPM discharged: 2 GPM for 10 minute period

Suspended Solids: < 0.05 mg/L

pH: **11.65**

Turbidity: **2.3 NTU**

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
OR200760-1	01

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

File # 3690

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	08	03	01	TO	08	04	01
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

✔ Check here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX. (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
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	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Charles T. Wiedenhoft
President
TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE AREA CODE	NUMBER	DATE YEAR	MO	DAY
503	286-1677	08	04	02

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER (2-16)	DISCHARGE NUMBER (17-19)
OR200160-1	01

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OMB No. 2040-0004
Approval expires 05-31-98

File # 3690

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FROM	08	02	01	TO	08	03	01
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Charles T. Wiedenhoff President	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319 (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	503 (AREA CODE)	286-1677 (NUMBER)	08 (YEAR)	03 (MO)	03 (DAY)
TYPED OR PRINTED							

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER (2-16)	DISCHARGE NUMBER (17-19)
OR200160-1	01

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OMB No. 2040-0004
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File # 3690

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
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	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

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Charles T. Wiedenhoft
President
TYPED OR PRINTED

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TELEPHONE AREA CODE	NUMBER	DATE YEAR	MO	DAY
503	286-1677	08	02	01

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NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

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DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER (2-15)	DISCHARGE NUMBER (17-19)
OR200160-1	01

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File # 3690

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FROM	07	12	01	TO	08	01	01
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

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TELEPHONE		DATE		
503	286-1677	08	01	03
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) OR200160-1 PERMIT NUMBER

(17-19) 01 DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	11	01	TO	03	12	01
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
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President
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 6 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	286-1677	07	12	03
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS (EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER (2-16)	DISCHARGE NUMBER (17-19)
OR200160-1	01

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

File # 3690

MONITORING PERIOD						
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	07	10	01	TO	07	11	01
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

☒ Check here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)	(54-61)		(4 Card Only) QUALITY OR CONCENTRATION (38-45)	(46-53)	(54-61)		NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
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	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Charles T. Wiedenhoft
President
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and a maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
503	286-1677	07	11	02

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
OR200160-1	01
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	07	09	01	TO	07	10	01
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

File # 3690

☒ Check here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Charles T. Wiedenhoft President	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 6 years.)	Glenn Dalton SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	503	286-1677	07	10	01
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
OR200160-1	01

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	07	08	01	TO	07	09	01
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

File # 3690

☒ Check here if No Discharge

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PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
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	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Charles T. Wiedenhoft
President
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	286-1677	07	09	10
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
OR200160-1	01
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	07	07	01	TO	07	08	01
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

File # 3690

☒ Check here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
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	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Charles T. Wiedenhoft
President
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and a maximum imprisonment of between 6 months and 5 years.)

Glenn Dallas
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	286-1677	07	08	01
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-18)
OR200160-1	01
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	07	06	01	TO	07	07	01
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-90

File # 3690

☒ Check here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Charles T. Wiedenhoft
President
TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	286-1677	07	07	02
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
OR200160-1	01
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	07	05	01	TO	07	06	01
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

File # 3690

☒ Check here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Charles T. Wiedenhoft
President
TYPED OR PRINTED

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Dan Dallas
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	286-1677	07	06	01
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER (2-16)	DISCHARGE NUMBER (17-19)
OR200160-1	01

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

File # 3690

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	07	04	01	TO	07	05	01
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

☒ Check here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Charles T. Wiedenhoft President	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. (See 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and a maximum imprisonment of between 6 months and 5 years.)	Glenn E. Dollar SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	503 AREA CODE	286-1677 NUMBER	07 YEAR	05 MO	04 DAY
TYPED OR PRINTED							

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
OR200160-1	01
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	07	03	01	TO	07	04	01
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

File # 3690

☒ Check here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
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	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Charles T. Wiedenhoft
President
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	286-1677	07	04	04
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER (2-16)	DISCHARGE NUMBER (17-19)
OR200160-1	01

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

File # 3690

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	07	01	01	TO	07	02	01
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

☒ Check here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
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	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Charles T. Wiedenhoft President	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)	Glenn Dollar SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	503 (AREA CODE)	286-1677 (NUMBER)	07 (YEAR)	02 (MO)	01 (DAY)
TYPED OR PRINTED							

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER (2-16)	DISCHARGE NUMBER (17-19)
OR200160-1	01

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	06	12	01	TO	07	01	01
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

File # 3690

☒ Check here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Charles T. Wiedenhoft
President
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	286-1677	07	01	03
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
OR200160-1	01

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	06	11	01	TO	06	12	01
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

File # 3690

☒ Check here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
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	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Charles T. Wiedenhoft President	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)	Glenn E. Oller SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	503 AREA CODE	286-1677 NUMBER	06 YEAR	12 MO	01 DAY
TYPED OR PRINTED							

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
OR200160-1	01
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	06	10	01	TO	06	11	01
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

File # 3690

☒ Check here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (36-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Charles T. Wiedenhoft
President
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)

Glenn F. Dallas
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	286-1677	06	11	03
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
OR200160-1	01
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	06	09	01	TO	06	09	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

File # 3690

☒ Check here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Charles Wiedenhoft
President
PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and a maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	286-1677	06	10	02
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS: EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location If Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-18)
OR200160-1	01
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	06	08	01	TO	06	08	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

File # 3690

☒ Check here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (45-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
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	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Charles T. Wiedenhoft
President
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	286-1677	06	09	05
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
OR200160-1	01

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

File # 3690

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	06	07	01	TO	06	07	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

☒ Check here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Charles T. Wiedenhoft President	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and a maximum imprisonment of between 6 months and 5 years.)	Glenn Dollar SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	503 AREA CODE	286-1677 NUMBER	06 YEAR	08 MO	01 DAY
TYPED OR PRINTED							

COMMENT: EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER (2-16)	DISCHARGE NUMBER (17-19)
OR200160-1	01

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-96

File # 3690

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	06	06	01	TO	06	07	01
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

☒ Check here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
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	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Charles T. Wiedenhoft President	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and a maximum imprisonment of between 6 months and 5 years.)	Glenn Dollaro SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	503 AREA CODE	286-1677 NUMBER	06 YEAR	07 MO	05 DAY
TYPED OR PRINTED							

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
OR200160-1	01
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	06	05	01	TO	06	05	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

File # 3690

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NOTE: Read Instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
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	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Charles T. Wiedenhoft President	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)	Glenn Dollar SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	503 AREA CODE	286-1677 NUMBER	06 YEAR	06 MO	01 DAY
TYPED OR PRINTED							

COMMENTS EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
OR200160-1	01
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	06	04	01	TO	06	04	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

File # 3690

☒ Check here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
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	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Charles T. Wiedenhoft
President

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and a maximum imprisonment of between 6 months and 5 years.)

SIGNED OR PRINTED

Glenn F. Dollar
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	286-1677	06	05	01
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
OR200160-1	01

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

File # 3690

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	06	03	01	TO	06	04	01
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

☒ Check here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53)	(54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
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	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Charles T. Wiedenhoft President TYPED OR PRINTED	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)	Glenn Dallas SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	503 AREA CODE	286-1677 NUMBER	06 YEAR	04 MO	07 DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
OR200160-1	01
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	06	02	01	TO	06	03	01
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

File # 3690

☒ Check here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
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	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Charles T. Wiedenhoft President	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)	Glenn F. Dollar	503	286-1677	06	03	01
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT TO EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location If Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
OR200160-1	01

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	06	01	01	TO	06	02	01
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

File # 3690

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PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
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	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Charles T. Wiedenhoft President	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and a maximum imprisonment of between 6 months and 5 years.)	Glenn F. Dolan SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	503 (AREA CODE)	286-1677 (NUMBER)	06 (YEAR)	02 (MO)	01 (DAY)
TYPED OR PRINTED							

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
OR200160-1	01

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	12	01	TO	06	01	01
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

File #3690

☒ Check here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
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	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Charles T. Wiedenhoft President	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and a maximum imprisonment of between 6 months and 5 years.)	Glenn J. Dollar SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	503 AREA CODE	286-1677 NUMBER	06 YEAR	01 MO	03 DAY
TYPED OR PRINTED							

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
OR200160-1	01

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	11	01	TO	05	12	01
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

File # 3690

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PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Charles T. Wiedenhoft
President
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503 (AREA CODE)	286-1677 (NUMBER)	05 (YEAR)	12 (MO)	02 (DAY)

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
OR200160-1	01

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	10	01	TO	05	10	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

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PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Charles T. Wiedenhoft
President
TYPED OR PRINTED

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Lenny J. Dollar
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE AREA CODE	NUMBER	DATE YEAR	MO	DAY
503	286-1677	05	11	01

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
OR200160-1	01

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	09	01	TO	05	09	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

File # 3690

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PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Charles T. Wiedenhoft
President
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)

Glenn Dollar
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE AREA CODE	NUMBER	DATE YEAR	MO	DAY
503	286-1677	05	10	11

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
OR200160-1	01

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	08	01	TO	05	08	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

File # 3690

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PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Charles T. Wiedenhoft
President
TYPED OR PRINTED

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Glenn F. Dollar
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	286-1677	05	09	06
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
OR200160-1	01

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	07	01	TO	05	07	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
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File # 3690

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PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
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	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Charles T. Wiedenhoft President	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)	Glenn Dollar SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	503 (AREA CODE)	286-1677 (NUMBER)	05 (YEAR)	08 (MO)	08 (DAY)
TYPED OR PRINTED							

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
OR200160-1	01

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	06	01	TO	05	06	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

File # 3690

☒ Check here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
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	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Charles T. Wiedenhoft
President
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)

Glenn L. Poller
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	286-1677	05	07	01
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location If Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
OR200160-1	01

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	05	01	TO	05	05	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

File # 3690

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PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
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	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Charles T. Wiedenhoft President	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and a maximum imprisonment of between 6 months and 5 years.)	Glenn F. Dollar SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	503 (AREA CODE)	286-1677 (NUMBER)	05 (YEAR)	06 (MO)	01 (DAY)
TYPED OR PRINTED							

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
OR200160-1	01

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	04	01	TO	05	04	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

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PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
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	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Charles T. Wiedenhoft President	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)	Glenn H. Dollar	503	286-1677	05	5	2
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
OR200160-1	01

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	03	01	TO	05	03	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

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PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Charles T. Wiedenhoft President	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)	Glenn T. Dolton SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	503 AREA CODE	286-1677 NUMBER	05 YEAR	04 MO	05 DAY
TYPED OR PRINTED							

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
OR200160-1	01

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	02	01	TO	05	02	28
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

File # 3690

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PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Charles T. Wiedenhoft President	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)	Sharon L. Dollar	503	286-1677	05	03	01
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
OR200160-1	01

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	01	01	TO	05	01	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

File # 3690

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PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
	SAMPLE MEASUREMENT										
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	PERMIT REQUIREMENT										
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	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Charles T. Wiedenhoft
President
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	286-1677	05	02	01
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS: EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
OR200160-1	01

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	12	01	TO	05	01	01
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

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PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
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	PERMIT REQUIREMENT										
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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Charles T. Wiedenhoft
President
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or minimum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	286-1677	05	01	03
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER (2-16)	DISCHARGE NUMBER (17-19)
OR200160-1	01

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	11	01	TO	04	12	01
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
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PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Charles T. Wiedenhoft President TYPED OR PRINTED	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	503 AREA CODE	286-1677 NUMBER	01 YEAR	12 MO	01 DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

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DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
OR200160-1	01

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	10	01	TO	04	11	01
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

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	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Charles T. Wiedenhoft President	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)	Sherry Wright SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	503 (AREA CODE)	286-1677 (NUMBER)	04 (YEAR)	11 (MO)	01 (DAY)
TYPED OR PRINTED							

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER (2-16)	DISCHARGE NUMBER (17-19)
OR200160-1	01

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	10	01	TO	04	11	01
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

File # 3690

☒ Check here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
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	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Charles T. Wiedenhoft President TYPED OR PRINTED	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 6 years.)	Gary Wright SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	503 AREA CODE	286-1677 NUMBER	04 YEAR	10 MO	06 DAY

COMMENT: EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
OR200160-1	01

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	08	01	TO	04	09	01
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

File # 3690

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PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
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	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Charles T. Wiedenhoft
President
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE AREA CODE	NUMBER	DATE YEAR	MO	DAY
503	286-1677	04	09	03

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
OR200160-1	01

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	07	07	TO	04	08	07
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
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PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Charles T. Wiedenhoft
President
TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	286-1677	04	08	03
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
OR200160-1	01

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	06	01	TO	04	07	01
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Charles T. Wiedenhoft President	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)	Gary Wright SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	503	286-1677	04	07	01
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MO	DAY

CON[illegible] EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
OR200160-1	01

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	05	01	TO	04	06	01
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Charles T. Wiedenhoft
President
TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	286-1677	04	06	01
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
OR200160-1	01

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	04	01	TO	04	05	01
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

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OMB No. 2040-0004
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PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Charles T. Wiedenhoft President TYPED OR PRINTED	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)	Gary Wright SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	503 AREA CODE	286-1677 NUMBER	04 YEAR	05 MO	02 DAY

COMMENTS (EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
OR200160-1	01

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	03	01	TO	04	04	01
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

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PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
	SAMPLE MEASUREMENT										
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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Charles T. Wiedenhoft President	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)	Glenn F. Dollar SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	503	286-1677	04	04	01
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
OR200160-1	01

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	02	01	TO	04	03	01
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

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PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Charles T. Wiedenhoft President TYPED OR PRINTED	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)	Glenn T. Albro SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	503 AREA CODE	286-1677 NUMBER	04 YEAR	03 MO	01 DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
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Portland, OR 97203

FACILITY LOCATION Same as above

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(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
OR200160-1	01

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	01	01	TO	04	02	01
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Charles T. Wiedenhoft
President
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)

Glen F. Dallas
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	286-1677	04	02	02
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
OR200160-1	01

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	12	01	TO	04	01	01
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

File # 3690

☒ Check here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
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	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Charles T. Wiedenhoft
President
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE AREA CODE	NUMBER	DATE YEAR	MO	DAY
503	286-1677	04	01	06

COMMENTS EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
OR200160-1	01

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

File # 3690

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	11	01	TO	03	11	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

☒ Check here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
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	PERMIT REQUIREMENT										
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	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Charles T. Wiedenhoft President	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	503 (AREA CODE)	286-1677 (NUMBER)	12 (YEAR)	01 (MO)	03 (DAY)
TYPED OR PRINTED							

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
OR200160-1	01

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	10	01	TO	03	10	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

File # 3690

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PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Charles T. Wiedenhoft
President
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE AREA CODE	NUMBER	DATE YEAR	MO	DAY
503	286-1677	03	11	03

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
OR200160-1	01

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	09	01	TO	03	09	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

File # 3690

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PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
	SAMPLE MEASUREMENT										
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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Charles T. Wiedenhoft President	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	503	286-1677	03	10	03
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
OR200160-1	01

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	08	01	TO	03	08	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

File # 3690

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PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
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	PERMIT REQUIREMENT										
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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Charles T. Wiedenhoft President	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	503	286-1677	03	09	02
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
OR200160-1	01
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	07	01	TO	03	07	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

File # 3690

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PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
	SAMPLE MEASUREMENT										
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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Charles T. Wiedenhoft President	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)	Harry Wright SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	503 (AREA CODE)	286-1677 (NUMBER)	08 (YEAR)	08 (MO)	01 (DAY)
TYPED OR PRINTED							

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER (2-16)	DISCHARGE NUMBER (17-19)
OR200160-1	01

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

File # 3690

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	06	01	TO	03	06	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

☒ Check here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
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	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Charles T. Wiedenhoft
President
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	286-1677	03	07	01
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT: EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
OR200160-1	01

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	05	01	TO	03	05	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
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PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Charles T. Wiedenhoft
President
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	286-1677	03	06	02
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS (EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
OR200160-1	01

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	04	01	TO	03	04	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

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PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
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	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Charles T. Wiedenhoft President	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)	Charles Wiedenhoft SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	503	286-1677	03	05	01
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
OR200160-1	01

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	03	01	TO	03	03	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

File # 3690

☒ Check here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
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	SAMPLE MEASUREMENT										
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	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Charles T. Wiedenhoft
President
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE AREA CODE	NUMBER	DATE YEAR	MO	DAY
503	286-1677	03	04	01

COMMENTS EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-15)	(17-19)
OR200160-1	
PERMIT NUMBER	DISCHARGE NUMBER

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

File # 3690

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	02	01	TO	03	02	28
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

☑ Check here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Charles T Wiedenhoff
President
TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	286-1677	03	03	04
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT: EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Company
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
OR200	

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	01	01	TO	03	01	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

File # 3690

☑ Check here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Charles T. Wiedenhoft President	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)	[signature] SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	503 AREA CODE	286-1677 NUMBER	03 YEAR	02 MO	03 DAY
TYPED OR PRINTED							

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Co.
ADDRESS 13939 N Rivergate Blvd.
Portland, OR 97203
FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
OR200160-1	

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	02	12	01	TO	02	12	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

File # 3690

☒ Check here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
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	PERMIT REQUIREMENT										
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	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Charles T. Wiedenhoft
President
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	286-1677	03	01	02
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Company
ADDRESS 13939 N. Rivergate Blvd
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
OR200160-1	

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	02	11	01	TO	02	11	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

☑ Check here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Charles T Wiedenhoff President	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	503	286-1677	02	12	9
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

1

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Company
ADDRESS 13939 N Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
OR200160-1	

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	02	10	01	TO	02	10	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

☑ Check here if No Discharge

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PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
	SAMPLE MEASUREMENT										
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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Charles Wiedenhoft President	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	503	286-1677	02	11	04
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Company
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203
FACILITY LOCATION Same as above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
OR200160-1	

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	02	09	01	TO	02	09	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

☒ Check here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
	SAMPLE MEASUREMENT										
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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Charles Wiedenhoft President	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)	Glenn Dollar	503	286/677	02	10	01
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Company
ADDRESS 13939 N. Rivergate Blvd.
Portland, OR 97203

FACILITY LOCATION Same as above.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
OR200160-1	

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	02	08	01	TO	02	08	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

☒ Check here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Charles Wiedenhoff
President
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	286/677	02	09	03
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Company
ADDRESS 13939 N. Rivergate Blvd
Portland, OR 97203
FACILITY LOCATION 13939 N. Rivergate Blvd.
Portland, OR 97203

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

PERMIT NUMBER (2-16)	DISCHARGE NUMBER (17-19)
OR200160-1	

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	02	07	01	TO	02	07	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

☑ Check here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
	SAMPLE MEASUREMENT										
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	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Charles Wiedenhoft President	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)	Gary Wright	503	286-1677	02	07	01
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Company
ADDRESS 13939 N. Rivergate Blvd
Portland, OR 97203
FACILITY LOCATION 13939 N. Rivergate Blvd.
Portland, OR 97203

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
OR200160-1	

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	02	06	01	TO	02	06	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

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PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
	SAMPLE MEASUREMENT										
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TYPED OR PRINTED							

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Ash Grove Cement Company
ADDRESS 13939 N. Rivergate Blvd
Portland, OR 97203

FACILITY LOCATION 13939 N. Rivergate Blvd.
Portland, OR 97203

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

PERMIT NUMBER (2-16)	DISCHARGE NUMBER (17-19)
OR200160-1	

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	02	05	01	TO	02	05	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

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PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
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TYPED OR PRINTED							

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*
NAME 4 [illegible] Cement Company
ADDRESS [illegible] Rivergate Blvd
[illegible] OR 97203
FACILITY [illegible] Plant
LOCATION [illegible] Rivergate Blvd
[illegible] OR 97203

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

Form Approved.
OMB No. 2040-0004

PERMIT NUMBER	DISCHARGE NUMBER
OR2001601	

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	02	04	01	TO	02	04	30

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PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
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[illegible] Wiedenhoft President	I Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	[signature] SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	503	286-1677	02	05	01
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS / EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*
NAME Ash Grove Cement Company
ADDRESS 12939 N Rivergate Blvd
Portland OR 97203
FACILITY Rivergate Lime Plant
LOCATION Same As Above.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

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PERMIT NUMBER	DISCHARGE NUMBER
OR200160-1	

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	02	02	01	TO	02	02	21

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PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
George Weik President	I Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE 503	NUMBER 286-1677	YEAR 02	MO 04	DAY 03
TYPED OR PRINTED							

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*
NAME Ash Grove Cement Company
ADDRESS [illegible] Rivergate Blvd
Portland, OR 97203
FACILITY Rivergate Lime Plant
LOCATION Same as Above.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

Form Approved.
OMB No. 2040-0004

PERMIT NUMBER	DISCHARGE NUMBER
OR [illegible]-1	

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	02	02	01	TO	02	02	28

NOTE: Read Instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	*FREQUENCY OF ANALYSIS*	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
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TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*
NAME A[illegible] Concrete Co.
ADDRESS [illegible] Riverside Ave
[illegible] OR 97203
FACILITY [illegible] Lime Plant
LOCATION 3429 [illegible] Riverside Ave
Portland OR 97203

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

Form Approved.
OMB No. 2040-0004

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OR 000160-1	

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	02	01	01	TO	02	02	01

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PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
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TYPED OR PRINTED							

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

[illegible]

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PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*
NAME [illegible]
ADDRESS [illegible] Rico
[illegible] OR 97203
FACILITY [illegible] Plant
LOCATION [illegible] above

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

Form Approved.
OMB No. 2040-0004

PERMIT NUMBER	DISCHARGE NUMBER
OR-002160-1	

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	01	12	01	TO	02	01	01

NOTE: Read Instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
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No Discharge

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
George Wells President	I Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	[signature]	503-286-1677	02	01	02
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

or

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THIS IS A 4-PART FORM PAGE OF

Report

Stormwater Pollution Control Plan

Originally prepared for

Goldendale Aluminum Company
Portland Transfer Facility

Ash Grove Cement Company

This document was revised by Ash Grove Cement in January 2006 after they took ownership of the facility of December 28, 2005

File No. 107213
1200-Z Permit
Issue date: 1/5/98
Multnomah County

January 2006

Prepared by

CH2MHILL

Revised January 2006 by Ash Grove Cement

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Stormwater Pollution Control Plan
Prepared in Accordance with
ORS 468B and the Federal Clean Water Act

Ash Grove Cement Company

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Authorized Facility Representative:

Signature: _____ Date:_____
Name : John Hone
Title : Terminal Manager

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Stormwater Pollution Control Plan

On July 26, 2002 the Oregon Department of Environmental Quality (DEQ) issued a National Pollutant Discharge Elimination System (NPDES) Storm Water Discharge Permit to Goldendale Aluminum Company (GAC) File Number 107213 in the county of Multnomah. The Permit Number is 1200-Z with an Expiration Date of 6/30/2007. Compliance with the permit requires that the permittee prepare and implement a Storm Water Pollution Control Plan (SWPCP) in accordance with current DEQ guidelines. The permit authorizes GAC to discharge storm water into public waters in accordance with the provisions of this SWPCP and any limitations specified in General Permit Number 1200-Z.

Ash Grove Cement Company took ownership of the facility on December 28, 2005. Application has been made to transfer the permit to Ash Grove Cement Company

The purpose of the SWPCP is to promote cleaner industrial activities which minimize or eliminate the introduction of industrial-related contaminants into public water. The SWPCP accomplishes this through the evaluation of the facility, including identification of potential sources of storm water pollution, evaluation of potential risk of storm water contamination from these sources, and evaluation of current storm water management practices.

1.1 Site Description

The subject property is located on the east bank of the Willamette River approximately nine miles upstream of the confluence of the Willamette River into the Columbia River in Portland, Oregon, approximately three quarters of a mile west of Interstate 5, a mile northwest of the Fremont Bridge, slightly upstream of Swan Island, and one and a half miles north of Good Samaritan Hospital and Medical Center (see Figure 1 for Site Location Map). The property is bordered on the southwest by the Willamette River and on the north, northeast, and south by the Union Pacific Railroad. The subject property is located in the South 1/2 of Section 21 and the North 1/2 of Section 28 of Township 1 North, Range 1 East, on tax lots 33, 75, 77, and 15 (the Martin-Marietta property) and has a street address of 2600 North River Street.

The property is rectangularly shaped and encompasses approximately 8.22 acres. The subject property measures approximately 1,675 feet along the Willamette River and 267 feet wide at the north, and 208 feet wide at the south boundary. The subject property was under construction for one and a half years and was commissioned in January 1 982 with ship mooring dolphins, a dock, a pneumatic system with a blower room, three silos, rail load-out building and piping, a shop and administration building, garage, an oil storage shed, and railroad spur tracks with car movers. These improvements are shown on the Site Drainage Map presented as Figure 2.

The site lies within the drainage basin designated as the Lower Willamette Basin at an elevation of approximately 20 feet.[1] The site is generally flat with little topographic relief

[1] U.S. Geologic Survey Map; Portland, Washington-Oregon; N4530-W12230/15, 1961.

except for the bank extending to the Willamette River. Precipitation occurs mainly in the form of rain with an annual average of 36.30 inches per year.[2] Storm water runoff is discharged by sheet flow and through a storm sewer system directly to the Willamette River. The Willamette River continues for approximately 9 miles before discharging into the Columbia River.

The site and vicinity are located in the northern portion of the Willamette Valley physiographic province. The region is underlain with sand and silt deposited on the flood plain and includes areas of artificial fill, largely derived from recent alluvium.[3]

The *Soil Survey of Multnomah County Area, Oregon*, compiled by the U.S. Soil Conservation Service, describes the soil at the subject property as Urban land, 0 to 3 percent slopes. No hydric soil components are listed for this soil series in the May 31, 1989, Hydric Soils in Multnomah County Area, Oregon, compiled by the U.S. Soil Conservation Service.

Hydric soils are an essential characteristic of wetlands and are defined as soils which are saturated, flooded, or ponded long enough to develop anaerobic conditions in the upper part of the soil profile. From the published soil survey information available, it would appear that the subject site does not meet the soil criteria for jurisdictional wetlands. However, a comprehensive and site specific wetlands determination, including characterization of the soils using onsite assessment methods and assessment of hydrophytic vegetation and wetland hydrology, has not been performed.

1.1.1 Structures on Site

The structures on site consist of ship mooring dolphins, a dock, a pneumatic system with a blower room, three silos, rail load-out building and piping, a shop and administration building, garage, an oil storage shed, and railroad spur tracks with car movers. The ship mooring dolphins and dock are constructed with steel and concrete. The pneumatic system consists of steel piping. The shop, administration building, shed, and rail load-out building are constructed out of corrugated steel. Lastly, the silos are concrete.

1.2 Site Location Map

The street address of the subject property is 2600 North River Street, Portland, Oregon 97227. See Figure 1 for Site Location Map.

1.3 Site Drainage Maps

Site Drainage Maps are included as Figures 2 and 3 below. These Maps illustrate directional storm water runoff patterns of the subject property, identify pervious and impervious surface areas, local drainage divides, onsite outfall, and list significant materials used as part of the industrial activities performed onsite.

---

[2] *Monthly Station Normals of Temperature, Precipitation, and Heating and Cooling Degree Days 1961-1990*. National Ocean and Atmospheric Administration, January 1992. Information recorded at Portland WSFO AP Station No. 6751.

[3] United States Geological Survey, "Geologic Map of Oregon," 1991.

1.4 Impervious Areas

Total acreage of the subject property is 8.22 acres. Impervious surfaces are areas where little if any storm water is absorbed and nearly all stormwater runs off creating a discharge flow from the site. For this site, impervious areas, including all roofed and asphalt paved areas, account for 1.54 acres of the total 8.22 acres, or approximately 19 percent of the total property area. Arrows indicate local flow patterns of stormwater runoff. The rail-spur covered in ballast rock is not included in the impervious area inventory.

The subject site is divided into four (4) local drainage basins with point source discharges identified as Drainage Basins I, II, III, and IV, and four (4) local drainage basins with non-point source discharges identified as Non-Point Source (NPS) NPS-I, NPS-II, NPS-III, and RIVER, on the site Drainage Map (see Figure 2). An accounting of each drainage basin and non-point source area, including the total area, the impervious area, the percent impervious area, the outfall served by each basin, and whether the basin was sampled, is presented in Table 2 below.

TABLE 2
Drainage Basin Accounting

Drainage Basin	Total Area (acres)	Impervious Area (acres)	Percent Impervious Area (%)	Outfall Served	Sample Location
I	0.54	0.54	100	A	A
II	0.01	0.01	100	A	A
III	0.01	0.01	100	A	A
IV	0.07	0.07	100	D	No
NPS-I	2.09	0.05	2	None	None
NPS-II	0.34	0.34	100	None	None
NPS-III	2.56	0.52	20	None	None
RIVER	2.60	0.0	0	None	None
Totals	8.22	1.54	19		

1.5 Industrial Activities

Goldendale Aluminum Company (GAC) began operation at the subject property in January 1 982, with the unloading of the first ship of alumina. The first hopper rail car was later loaded at this facility. The facility was vacant prior to GAC's development of the property.

Ash Grove Cement acquired the property in December 2005 and intends on utilizing the facility to unload shipment of portland cement and alumina from ocean vessels and shipping the product out via railcar and truck. This facility is a transfer facility for cement

and alumina. Cement and alumina is loaded into ships in other locations and then delivered to this facility in Portland, Oregon. The facility is designed to transfer 980,000 tons annually.

Ships containing up to 60,000 tons of cement or alumina are moored to the dock and dolphins. The alumina is transferred from the ship to one of the three (3) 90-foot-diameter by 90-foot-high silos each with a storage capacity of 1 6,500 tons of alumina. The transfer is accomplished by a pneumatic system which employs a large blower in the concrete blower room located on the dock near the location of the ships and silos. The pneumatic piping has a series of air lifts and slides. The facility is operated 24 hours a day when a ship is being unloaded.

A reclaim system is used to transfer the cement and alumina from the silos to the rail loadout building into covered rail hopper cars. The hopper cars are moved on two parallel railroad spur tracks from the south to the north by car movers located south and north of the rail load-out building. The hopper cars are loaded by an automatic system that is monitored in a control room. Flexible chutes form a tight seal around the hopper opening. When the chute is raised off of the opening, the cover to the opening is closed and secured.

The hopper cars are then transported offsite.

1.6 Potential Pollutants

The subject site is divided into seven (7) local drainage basins and non-point source areas, as well as the River as described above in Section 1.4, "Impervious Areas." Of these areas, Drainage Basins I, II, II, and IV provide a point source discharge adequate for sampling. Drainage Basin IV is not sampled due to the distance of this drainage basin from significant industrial activities and the presumption that it would contribute less pollution than the other three (3) sampled drainage basins.

Pollutants associated with the performance of industrial operations as described above in Section 1.5, "Industrial Activities," may potentially impact storm water runoff. Each drainage basin has been reviewed and potential pollutants identified where a reasonable potential exists for contributing significant amounts of pollutants to storm water runoff from the drainage basin.

1.6.1 Drainage Basin I

All stormwater drains through catch basins to a pipe network. There is no open trenches or drainage ditches used in the stormwater discharge system.

Drainage Basin I is approximately 20 feet wide and 430 feet long and includes the paved portion of the railroad spur tracks with the car movers and the rail load-out building and a small portion of the facility west of this building (see Figure 2). Storm water runoff from the roof and pavement is collected by a system of catch basins and grates and discharges under the concrete dock at Outfall A. There are catch basins inside the rail load-out building to transport the storm water that drains off the hopper rail cars during their movement through the building.

A 300-gallon waste oil above ground storage tank (AST) is located adjacent to the west side of the rail load-out building. Potential exists for alumina or waste oil to contaminate the storm water in this basin.

1.6.2 Drainage Basins II and III

Drainage Basins II and III are both very small areas of asphalt paving. One (1) catch basin receives the runoff from both basins and discharges through outfall A. These drainage basins are located east of the shop and administration building (see Figure 2). No industrial activities associated with Ash Grove's operation are performed within Drainage Basins II and III. Very little potential exists for the discharge of pollutants in storm water runoff from Drainage Basins II and II.

1.6.3 Drainage Basin IV

Drainage Basin IV is an area of asphalt paving with a drainage channel which connects to outfall A. This area is east of Silo 1 (see Figure 2). No industrial activities associated with Ash Grove operation are performed within Drainage Basin IV. Very little potential exists for the discharge of pollutants in storm water runoff from Drainage Basin IV.

1.6.4 Non-point Source Runoff

Areas without point-source discharge of storm water provide no means of making visual observations and grab samples of storm water runoff. This storm water, considered non-point source (NPS) runoff, may be discharged offsite by sheet runoff, percolate into the soil, or pond and evaporate.

The subject property has three (3) distinct areas of non-point source runoff identified as NPS-I, NPS-II, and NPS-III on the Site Drainage Map (see Figure 2).

Within non-point source area NPS-I, which includes the northern portion of the property, is graveled railroad spur tracks, the oil storage shed, an asphalt parking lot, the 500-gallon diesel AST, and the garage for the three (3) Bobcats and one (1) forklift. Fueling and servicing operations of this mobile equipment pose potential impacts to the stormwater runoff from this area. Storm water runoff from this area discharges directly to the Willamette River by sheet flow. A 30-inch corrugated metal pipe storm drain from the Union Pacific Railroad yard located to the east of the subject property discharges in this basin.

Within non-point source area NPS-II, which is in the center portion of the property, is the piling supported concrete dock with the shop and administration building and the pneumatic unloading system. Ship unloading operations pose little potential impacts to the storm water runoff from this area because the alumina being transported is totally enclosed. Storm water runoff from this area discharges directly to the Willamette River by sheet flow.

Within non-point source area NPS-III, which includes the southern portion of the property, is graveled railroad spur tracks, the three (3) storage silos and the reclaim system. Reclaim operations pose little potential impacts to the storm water runoff from this area because the alumina being transported also is totally enclosed. Storm water runoff from this area discharges directly to the Willamette River by sheet flow.

The property extends into a portion of the Willamette River beyond the low water line. However, moored ships which are unloaded are outside the property line in the Willamette River.

The potential for introduction of pollutants into storm water runoff may result in changes in pH levels, increases in levels of oil and grease, and increased metal concentrations. A list of maximum permutable storm water effluent concentrations of pollutants regulated by General Permit 1 200-Z is presented in Section 4.00, "Specific Storm Water Discharge Limitations."

1.7 Significant Materials

The significant materials potentially affecting storm water runoff are summarized in Table 1 below:

TABLE 1
Significant Materials

Description	Volume	Location (see Figure 2)
Cement and Alumina	49,500 tons (max.)	Silos (3)
Motor/Hydraulic Oils	500 gallons	Oil Storage Shed
Diesel	500 gallons	AST
Waste Oil	300 gallons	AST

1.8 Receiving Waters

Storm water runoff is directed west to the Willamette River by sheet flow from the three (3) non-point source drainage basins and by the one (1) outfall.

1.9 Storm Water Monitoring

1.9.1 Discharge Outfalls

The subject property as described above is divided into four (4) local drainage basins, as well as the three (3) non-point source drainage basins and the Willamette River. The outfall for Drainage Basins 1, 11, 111, and IV are identified as Outfall A and D on the Site Drainage Map (see Figure 2).

Sampling for compliance with parameters outlined in Section 4.00, "Specific Storm Water Discharge Limitations," shall be collected at the sample point identified as Outfall A.

1.9.2 Monitoring and Testing

As required in the 1200-Z permit, grab samples are collected twice a year from Outfall A (see Figure 2). These samples are submitted to an independent lab and analyzed for pH, Total Suspended solids (TSS), oil and grease, and total metals (copper, lead and zinc).

1.10 Site Controls

1.10.1 Storm Water Management

A comprehensive plan for the management of storm water discharge should include all appropriate engineering controls and management practices necessary to reduce contaminant concentrations in storm water runoff below compliance standards.

1.10.1.1 Stormwater Engineering Controls

Storm water engineering controls include structural measures designed to minimize or reduce contaminant loading in storm water runoff. Two (2) types of engineering controls are considered.

Controls designed to isolate sources of industrial pollution and direct storm water away from these areas are known as source control measures. Source control measures are designed to minimize the exposure of the potential pollutants described in Section 1.15, "Potential Pollutants," to direct rainfall or storm water runoff. Examples of these measures include secondary containment structures or devices for material storage, covered manufacturing areas, and storm water diversion ditches.

Engineering controls which have been implemented to reduce levels of contamination in storm water runoff are known as treatment measures. Treatment measures are typically used to remove specific contaminants from storm water. Treatment techniques are generally employed when source control measures provide inadequate containment of industrial pollutants. Examples of storm water treatment measure include settling ponds, oil/water separators, and filtration systems.

Existing storm water engineering controls designed to minimize industrial impact on storm water discharge implemented by GAC include:

1.10.1.2 Containment

Containment structures or devices, including berms, dikes, concrete retaining walls, and spill control pallets, are source control measures designed to prevent leaks, spills, and contaminated storm water from entering storm water runoff and impacting public waters.

Ash Grove operates a double-wall 500-gallon diesel AST located north of the garage. The construction of this tank provides secondary containment protection for the storage of diesel fuel. The tank and dispenser are protected against collision by concrete filled steel pipe bollards.

1.10.1.3 Covered Storage

Providing cover over storage areas and facility operations prevent contact with storm water with "significant materials." Such source control measures significantly reduce the potential of contaminating storm water runoff discharged from the subject property.

The unloading operation by Ash Grove is performed with a pneumatic system that keeps the cement and alumina enclosed and covered as it is transported to the storage silos. The reclaim system keeps the alumina enclosed and covered as it is transported to the rail loadout building where the cement and alumina is enclosed and covered as it is transported to the rail hopper cars which have openings closed and sealed before they leave the building. A totally enclosed conveyor system will be installed that will transfer cement to the adjacent truck loadout located north of the storage silos.

Oil drums are stored under cover in the oil storage shed, facility vehicles are stored under cover in the garage, and the blower for the pneumatic system is contained under cover in a concrete building.

1.10.2 Stormwater Diversion

Storm water runoff is not diverted away from any particular areas of potential storm water contamination because all significant industrial activities are enclosed or covered.

1.10.2.1 Debris and Sediment Control

Treatment measures, including screens, booms, settling ponds, and erosion prevention, reduce debris and sediment levels in the storm water runoff discharged from the subject site.

There are catch basins and drain grates to allow debris and sediment to settle out of suspension and reduce suspended solids in the storm water discharge.

1.10.3 Stormwater Management Practices

Storm water management practices address procedural practices and operational activities which when adhered to minimize or eliminate the contamination of storm water runoff by industrial-related pollutants.

Storm water management practices currently implemented by Ash Grove include the following:

1.10.3.1 Unloading Operation

The ships are securely moored to the dock before any unloading operations are started. One compartment of the ship is unloaded at a time. Precautions are taken to ensure the containment of the alumina. The pneumatic system and the silos are inspected and maintained to avoid any leakage.

1.10.3.2 Reclaim System

Cement and alumina is reclaimed from the silos and loaded into either covered hopper rail cars or transferred to the truck loadout silos. The operators in the rail load-out control room

meter the flow and quantity to each hopper and remove the sealed chute from the opening when the flow has stopped and secure the hopper cover before it leaves the building.

1.10.3.3Vehicles

Ash Grove maintains three (3) Bobcats and one (1) forklift. All vehicles and equipment are serviced inside the garage. Absorbent pads are used to absorb any leaks or spills occurring during equipment servicing.

1.10.3.4Recycling

A local waste oil company is retained as required to pick up all waste oil products. The waste petroleum products are recycled and the absorbent pads properly disposed of offsite.

1.10.4 Spill Prevention and Response Procedures

The purpose of the SWPCP is to promote cleaner industrial activities which minimize or eliminate the introduction of industrial-related contaminants into public waters. Since a release of any "significant material" may impact storm water discharge from the site, it is important to identify areas where potential spills may impact storm water runoff. Adequate spill prevention and response procedures should be established for onsite operations.

All cement and alumina is stored by Ash Grove inside the three (3) storage silos and truck load-out silos. Diesel fuel is stored in the 500-gallon AST. Motor oils and hydraulic oils are stored in 55-gallon drums in the oil storage shed. Waste oil is stored in the 300-gallon AST. The management practices discussed above in Section 1.212 assure that very little potential exists for a significant spill impacting storm water runoff from the GAC facility.

Guidelines for developing response procedures for addressing releases of if significant materials" are presented as Appendix D, "Spill Prevention and Response Procedures: A Guide for First Responders."

Title 40, Code of Federal Regulations (CFR), Part 112 specifies that facilities storing oil products that provide above-ground storage capacity of a single container in excess of 660 gallons, or an aggregate above-ground storage capacity greater than 1,320 gallons, or a total underground storage capacity greater than 42,000 gallons are required to have a Spill Prevention Control and Countermeasure (SPCC) Plan. The purpose of the SPCC Plan is to prevent any release of oil or petroleum products. This is accomplished through the implementation of guidelines, procedures, methods, and equipment for effective spill prevention and controls. In the event of a release, the SPCC Plan provides a spill response plan to minimize the threat to public health, safety, welfare, and the environment.

1.10.5 Preventive Maintenance

The SWPC Plan Implementor shall be responsible for administering the Preventive maintenance programs presented in Appendix C. These programs provide for monthly inspections of all storm water controls present at the facility.

1.10.6 Employee Education

Ash Grove shall provide annual training and instruction for all personnel regarding the goals and content of the SWPCP. This training shall address storm water management,

including engineering controls and management practices, spill prevention and response procedures, and good housekeeping and materials management practices. This training should highlight and discuss the most recent spill incidents and include the review of related Spill Incident Report Forms. An Employee Education checklist is included in Appendix C.

1.10.7 Record Keeping and Internal Reporting Procedures

The Storm Water Pollution Control Plan shall be maintained on file by Ash Grove and made available to the DEQ for inspection upon request as per Schedule C, Condition 1 of the General Permit. A copy of the Storm Water Discharge Permit including the General Conditions shall be kept on file with the Plan.

In accordance with the Internal Reporting Procedures, Ash Grove shall maintain records of the following events:

- A checklist of the regular maintenance activities described above (see Section 1.23, "Preventive Maintenance") to be performed during the rainfall season.
- Records of any failure, modification, or replacement of storm water related equipment.
- Employee education checklist.

Copies of these forms are included in Appendix C, "Internal Reporting Forms." Records of leaks, spills, or releases of materials requiring a cleanup shall be recorded on forms included in Appendix D, "Spill Prevention Response Procedures: A Guide for First Responders."

Ash Grove shall maintain the following documents on file for a minimum of 5 years:

- Analytical results from semi-annual sampling events.
- Copies of all annual DEQ reports.

1.10.8 Annual Review

A full review of the SWPCP shall be conducted prior to September 1 of each year. The review shall include a complete site inspection of those areas where spills or industrial activities may impact storm water discharge. The review shall evaluate each component of the SWPCP for effectiveness in preventing contamination of storm water runoff at the facility. The revised SWPCP shall reflect those modifications necessary to accurately address the potential impact of industrial operations on storm water discharge at the site.

Specific River Basin Limitations

State waterways for which minimum treatment controls of point source discharges are unable to achieve established water quality compliance standards are designated as Water Quality Limited (WQL). Section 303 of the Clean Water Act requires the DEQ to establish Total Maximum Daily Loads (TMDLs) for specific parameters on WQL state waters. Currently in Oregon, fourteen (14) rivers and two (2) lakes are designated as WQL.

The Willamette River has been identified as Water Quality Limited by the DEO. Currently, the Willamette River is in violation of the numeric standards concerning the concentration of dioxin (2,3,7,8-TCDD). Dioxins are created when elemental chlorine is used to bleach wood fibers in the production of wood pulp. The DEQ is in the process of establishing a Total Maximum Daily Load (TMDL) regulating the discharge of dioxin into the Willamette River.

Ash Grove does not generate or discharge dioxins as part of this operation.

Surface Drainage and Groundwater Quality Protection

Storm water carrying pollutants regulated by this permit are not allowed to discharge into seepage ponds, pits, wells, or any other conduit accessing groundwater. Permits and restrictions regulating surface drainage may be found in OAR 340-44-050,Waste Disposal for Surface Drainage and OAR 340, Division 40, Groundwater Quality Protection.

Specific Storm Water Discharge Limitations

Compliance with NPDES Storm Water Discharge Permit 1 200-Z is based upon the benchmarks presented in Table 3 below:

TABLE 3
Stormwater Discharge Limitations

1200-Z permit	
Parameters	**Benchmark**
Oil & Grease Sheen	No visible sheen
Floating Solids	No visible discharge
pH	Between 5.5 and 9.0 S.U.
Oil and Grease	10 mg/l
Total Copper	0.1 mg/l
Total Lead	.04 mg/l
Total Zinc	0.6 mg/l
Total suspended Solids (TSS)	130 mg/l
Permit Issued 1/5/98 Multnomah county	

Allowable Mixing Zone

No wastes shall be discharged into the receiving waters in concentrations which violate applicable water standards as adopted by OAR 340 Division 41 except within a mixing zone providing a 1 0: 1 dilution of storm water discharge.

GAC recognizes the fact that no waste shall be discharged in concentrations which violate applicable water standards.

Storm Water Only

This permit regulates the discharge of storm water only. It does not authorize the discharge of process waste waters, cooling waters, wash waters, or any other waste waters associated with the facility. Other discharges must be addressed in a separate NPDES permit.

Ash Grove recognizes that discharges other than storm water require permits in addition to this permit.

APPENDIX A

Key Stormwater Pollution Control Plan Dates

Date	Event
July 26, 2002	NPDES Storm Water Discharge Permit Number 1200-Z issued to Goldendale Aluminum Company under DEQ File Number 107213. In Multnomah county.
December 28, 2005	Ash Grove closes purchase of Goldendale property
January 2006	Stormwater Pollution Control Plan Updated.
September each uear	SWPC Plan Annual Review.
July to December	Fall sampling of outfall
January to June	Spring sampling of outfall.
July 1	Sample results from the year due at DEQ regional office.

Sampling Procedures: Quality Assurance/ Quality Control

The quality assurance/quality control (QA/QC) procedures that will be practiced throughout the project are described below. The Plan Implementor will be responsible for supervising and implementing the QA/QC plan.

Sample Identification

Accurate identification of sample containers is essential to the storm water sampling process. The name chosen for the sampled outfall will uniquely identify the name of the client or site, and the location of the outfall on that site (Outfall A). More than one container is necessary to perform all laboratory analyses, thus each container shall bear the same identification.

Ash Grove will be sampling one (1) outfall, identified as OUTFALL A on the Site Drainage Map (see Figure 2). OUTFALL A's sample identification shall be GAC-SW-1.

Sample Labels

Each sample container shall be affixed with a label written in permanent water-proof marking pen. The label shall include the following information:

- Sample Identification
- Date and time of collection
- Analyses to be performed

Sample containers are very often unique to a specific laboratory analysis. Care should be taken to ensure samples are collected in appropriate sample containers and properly labeled.

Sample Preservation

Samples shall be refrigerated during shipment to the laboratory. Certain analytical tests require samples to be acidified immediately after sampling to inhibit organic degradation. Consult the laboratory for more information regarding sample preservation.

Sample Collection

Samples shall be collected in such a way as to obtain a "representative sample" of storm water runoff. If the sampling location is too shallow to permit direct collection into the container, a clean, secondary container such as a pitcher may be used to facilitate sample

collection. Care should be taken to prevent disturbing bottom sediments during sample collection.

Sample containers which include an acidic preservative should not be immersed in the outfall or otherwise filled in a manner which may allow the preservative to escape.

Certain analytical methods require that all air be excluded from the sample container. These samples are generally collected in a glass container fitted with a nylon septum seal. These containers should be filled slowly to prevent air bubbles from clinging to the sides or collar of the container. The container should be overfilled slightly to produce a meniscus at the surface. Carefully screw the lid onto the container. Tip the container upside down and tap lightly on the side to check for the presence of air bubbles. If air is present in the sample, additional liquid shall be added and the sample rechecked until no bubbles are detected.

Chain Of Custody

A chain of custody record, documenting possession of storm water samples from time of collection to laboratory analysis, will be maintained and accompany every sampling interval. The chain of custody record shall include the sample identification, the time, date, and location the sample was collected, a list of analytical tests requested, and any visual observations describing field conditions during sampling.

Sample Shipment

Samples may be delivered to the contract laboratory by Ash Grove personnel, or common carrier. In any case, samples shall be packed in a refrigerated cooler in such a manner as to prevent damage to the sample containers. The chain of custody form shall accompany the samples during shipment. If shipped via common carrier, a signed and dated custody seal will be affixed to the outside of the cooler such that if the cooler was opened the seal would be broken.

Stormwater Monthly Maintenance Checklist

The SWPC Plan Implementor of Ash Grove shall sign and date the following checklist upon completion of monthly inspections and maintenance on the storm water controls identified below:

Containment

- The 500-gallon diesel AST shall be inspected for leaks, cracks, and general operating condition. Repairs and maintenance shall be performed as required.
- The 300-gallon waste oil AST shall be inspected for leaks, cracks, and general operating condition. Repairs and maintenance shall be performed as required. All waste products shall be recycled and disposed of properly.
- The oil storage shed shall be inspected, maintained, cleaned, and secured. All drip pans shall be inspected, leaks and spills removed and properly disposed, cleaned, and replaced. Used absorbent materials used in cleanup shall be disposed in an approved manner. Waste petroleum products and coolants collected from throughout the site shall be consolidated for recycling and disposed as required in an approved manner.
- Any spill shall be recorded on the Spill Incident Report Form.

Debris and Sediment Controls

- All rain gutters and downspouts shall be kept free of debris and sediment.
- All paved surfaces, catch basins, outfalls, and drainage pipes shall be kept free of debris and sediment.
- The pneumatic system shall be inspected, cleaned, maintained, and secured as required. All alumina residue shall be returned to the cleanup drums in the rail load-out building.

Covered Storage

- Wherever practical, materials shall be stored under covered areas to prevent contact with storm water.
- Collect and consolidate miscellaneous waste products from throughout the site and store under cover in the rail load-out building.

Oil and Grease

- A visual observation for oil shall be performed at each outfall. Whenever a visible oil sheen is detected in storm water discharge, it shall be sampled for oil and grease.

Spill Prevention and Response Procedures: A Guide For First Responders

The following information is presented as a guide for First Responders during the initial phases of an incident involving the spill of significant materials. First Responders are individuals who are likely to witness or discover a release of significant material and are trained in initial defense procedures. The measures described below are intended to assist the Plan Implementor in making decisions regarding emergency response and cleanup procedures but should not be considered a substitute for personal knowledge or judgement of a particular situation.

The fundamental procedures for safely and effectively addressing spills or releases of significant materials are:

Recognition

The First Responder shall have the ability to quickly identify the released substances.

Evaluation

Upon confirmation of a release of significant material, the First Responder shall be able to assess the source of the release, any health and safety risks associated with the material, and any adverse impact the material have on the environment. If the First Responder determines that the situation is beyond the scope of available resources, the First Responder shall immediately contact the appropriate agency (see "Emergency Response Contact List," below).

Control

The First Responder shall have an understanding of the following spill control procedures:

- Personal Protective Equipment (PPE)

  The First Responder shall be able to select a level of PPE which offers sufficient protection against the health and safety risks associated with the spilled material. The four levels of protection are summarized below:

  – Level A

    Level A should be used when the substance has been identified and requires the highest level of protection against chemical inhalation, absorption, ingestion, and contact. Level A suits include a fully encapsulating chemical-resistant splash suit and a positive-pressure self contained breathing apparatus (SCBA).

- Level B

  Level B is used when the chemicals are not capable of being absorbed through the skin. Level B includes a positive-pressure, full-face SCBA and chemical-resistant outer chemical splash suit.

- Level C

  Level C provides the same level of skin protection as Level B, but a lower level of respiratory protection. Level C requires a full-face air purifying canister-equipped respirator with chemical-resistant outer chemical splash suit.

- Level D

  Level D requires no respiratory protection and minimal skin protection. Recommended safety clothing includes coveralls, safety boots, safety glasses, and a hardhat.

- Containment

  The First Responder shall be able to perform basic control and containment operations. Containment procedures include preventing further release of material, diking the perimeter of the affected area to prevent further spreading, and recovery of spilled product using absorbent material. As per the Spill Prevention and Response Procedures in Schedule A of the General Permit, the equipment required to clean up spills of material used at the permitted facility as part of industrial operations "must be on-site or readily available."

- Decontamination

  Decontamination is the orderly removal of contamination and contaminated PPE from personnel exposed to potentially harmful materials during cleanup procedures. Personnel decontamination reduces the risk of exposure through absorption, ingestion, and inhalation and prevents workers outside the affected area from being exposed.

  A decontamination station appropriate for the severity of the spill shall be located outside the affected area. Decontamination typically involves the sequential rinsing of outer garments in baths designed to retain rinse water. Depending on the level of protection, personal protective clothing shall be removed in the following order:

  - Boots
  - Outer Gloves
  - Splash suit or Coveralls
  - Respirator
  - Inner Gloves

The variety of materials and substances required for a particular industrial operation can often be many. Releases of significant materials may have adverse environmental effects and/or present health and safety risks. For the purpose of developing response procedures appropriate for a particular situation, significant materials may be classified into one of the following categories: Non-hazardous unregulated materials, petroleum products, and hazardous materials.

Nonhazardous Unregulated Materials

Materials which are not regulated by state or federal law and pose no immediate health or safety risks may nonetheless adversely affect water quality if released to storm water runoff. Non-hazardous materials may include, for example, wood wastes, oxygen-depleting chemicals such as ammonium-based fertilizers, and suspended particulates.

Solid substances, particularly finely ground materials, may enter the storm water drainage system as suspended solids. A Best Management Practices program which includes routine good housekeeping practices may often reduce the level of suspended particulates in storm water runoff. Procedures for addressing spills of nonhazardous unregulated substances may often be obtained from product label information, material safety data sheets (MSDS), and personal knowledge of the particular substance.

Spills or releases of liquid substances present a more immediate threat to storm water runoff. In general, the following procedures should be followed when addressing a spill of liquid material which may impact storm water:

- Identification

  Identify the substance using the product or container label, the 4-digit Department of Transportation (DOT) placard, MSDS sheets, OSHA or NIOSH chemical listings, shipping manifests, or personal knowledge of the material.

- Safety Assessment

  Materials not classified as regulated hazardous substances may nevertheless present significant health and safety risks. The Department of Transportation *Emergency Response Guidebook* and the NIOSH *Pocket Guide to Chemical Hazards* present minimum PPE requirements for addressing a variety of chemical substances. Permittees are strongly advised to maintain onsite the personal protective equipment necessary to safely respond to spills or releases of materials maintained as part of the chemical inventory.

  Confined spaces in which spills of volatile substances have occurred may require ventilation prior to entry. Many liquid products, such as paints, thinners, and cleaning agents, may be flammable. Under no circumstances should a First Responder enter a situation in which there exists a potential fire or explosion. If a fire danger exists, the First Responder should contact the appropriate agency for assistance (see "Emergency Response Contact List," below).

- Containment

  Prevent further release of material. This may involve uprighting a barrel or shutting a valve. The use of absorbent booms, sand, saw dust, or other absorbent materials may be effective in preventing the spill from spreading. Wherever possible, the spill should be diverted away from catch basins or other conduits accessing storm water.

- Abatement

  The liquid material may be disposed of once the spill has been contained. Saturated absorbent should be placed in leak-proof containers, such as barrels. All containers should be labeled identifying the contents and the date of the spill or release. Appropriate disposal should be arranged.

- Reporting Procedures

  The DEQ does not require notification of spills of non-hazardous unregulated materials. Spills of any material which could be considered a potential pollutant as described in Section 1. 1 5, however, shall be recorded on the "Spill Incident Report Form." below.

Petroleum Products

Petroleum products include gasoline, crude oil, fuel oil, diesel oil, lubricating oil, sludge, oil refuse, and any other petroleum-related product.

Above-ground releases of petroleum products should be addressed immediately to prevent the spill from accessing either storm water or ground water. Swift response during the initial phases of cleanup may significantly reduce the area impacted by the release.

With the following two exceptions, the procedures for addressing the release of petroleum products are similar to the those described above regarding non-hazardous unregulated materials:

- Safety Assessment

  If the release has occurred within a confined space, flammable petroleum vapors may have displaced a portion of the oxygen. Confined spaces containing combustible gases shall be ventilated to reduce the vapors to below 10 percent of the lower explosive limit (LEL). No personnel shall be permitted to enter a confined workspace without a self-contained breathing apparatus (SCBA) if the atmospheric oxygen concentration is less than 19.5 percent or above 22 percent.

  Portable gas analyzers and SCBA outfits are specialized and costly pieces of equipment. If the First Responder is unable to determine that the workspace is safe within which to work, then the First Responder shall seek the services of qualified personnel (see "Emergency Response Contact List," below.)

- Reporting Procedures

  All spills or releases of petroleum products in reportable quantities shall be reported to the DEQ within 24 hours. A reportable quantity of oil is defined in Oregon Administrative Rules (OAR) 340-108-01 0 as:

  – Any quantity released into the waters of the state which produces a visible oily slick, oily solids, or coat aquatic life, habitat, or property

  – Any quantity released to the surface of the land in excess of 42 gallons.

Permittees are reminded that outfalls shall be sampled for Oil and Grease during required monthly inspections if an oil sheen is present on storm water discharge.

Hazardous Materials

In a broad sense, the term "hazardous materials" refers to any substance in such a quantity which poses an unacceptable health or safety risk to humans. For the purpose of developing this SWPCP, hazardous materials include those substances listed in Table 302.4 of 40 CFR Part 302, "List of Hazardous Substances and Reportable Quantities. "

Cleanup operations involving spills of hazardous materials can involve extensive planning, resources, and training. A complete description of the handling and response procedures during the cleanup of a hazardous materials spill is beyond the scope of this SWPCP. Instead, this section is intended to present the recommended emergency action, cleanup standards, and reporting procedures as required by OAR 340 Division 108, "Oil and Hazardous Materials Spills and Releases."

- Emergency Action

  Pursuant to OAR 340-108-020, the First Responder to a spill or release involving a hazardous material should take the following actions, as appropriate:

  - Immediately implement the facility's SPCC Plan or other applicable contingency plan. In the absence of such a plan, the First Responder shall activate alarms or otherwise warn persons in the immediate area and undertake all reasonable methods to contain the situation.
  - Contact all necessary local emergency responders, such as fire, police or medical technicians (see "Emergency Response Contact List," below).
  - If the volume of the hazardous material exceeds the reportable quantity (RQ) indicated in Table 302.4 of 40 CFR Part 302 in any 24-hour period, report the release or spill to The Oregon Emergency Management Division (see "Emergency Response Contact List," below).

  According to OAR 240-108-020,the spill or release need not be reported if:

  - The incident occurs on public or private land is known to the person responsible for the material
  - It occurs and is contained on a surface which is impervious to the substance
  - It is completely cleaned up and the cause of the spill or release has been repaired

- Cleanup Standards

  Any person responsible for a spill or release of hazardous materials shall take immediate action using the best available methods of cleanup to achieve the lowest practical level of contamination. The DEQ shall determine the lowest practical level of contamination based on population at risk, routes of exposure, climate, pre-existing background levels of contamination present in the area, and other appropriate factors.

- Cleanup Report

  The DEQ may require the person responsible for the spill or release to submit a written report within 15 days of the incident describing the cause of incident, emergency response procedures, and corrective actions to prevent similar occurrences.

STORMWATER MONTHLY MAINTENANCE CHECKLIST

Date:_____ **Status:** (NR = No Rain: OK = All Systems OK; RE = Repaired)

☐ Containment _____ ☐ Covered Storage _____

☐ Debris and Sediment Control _____ ☐ Oil Sheen (Y/N) _____

Comments: _____

_____

_____

_____

Signature : _____ Date: _____

Date:_____ **Status:** (NR = No Rain: OK = All Systems OK; RE = Repaired)

☐ Containment _____ ☐ Covered Storage _____

☐ Debris and Sediment Control _____ ☐ Oil Sheen (Y/N) _____

Comments: _____

_____

_____

_____

Signature : _____ Date: _____

Date:_____ **Status:** (NR = No Rain: OK = All Systems OK; RE = Repaired)

☐ Containment _____ ☐ Covered Storage _____

☐ Debris and Sediment Control _____ ☐ Oil Sheen (Y/N) _____

Comments: _____

_____

_____

_____

Signature : _____ Date: _____

EQUIPMENT FAILURE, MODIFICATION OR REPLACEMENT
REPORT FORM

Any event resulting in the repair, replacement, modification, or addition of any equipment related to the management of storm water shall be recorded below.

Date of Event: _____

Type of Operation (replacement, repair, addition, etc.): _____

Location on site: _____

Purpose of Equipment: _____

Description and purpose of all work and modifications:_____

_____

_____

_____

_____

_____
Signature of Plan Implementor

Date of Event: _____

Type of Operation (replacement, repair, addition, etc.): _____

Location on site: _____

Purpose of Equipment: _____

Description and purpose of all work and modifications:_____

_____

_____

_____

_____

_____
Signature of Plan Implementor

EMPLOYEE EDUCATION CHECKLIST

GAC shall provide training for all personnel regarding the SWPCP using any medium or forum appropriate for such education. The following topics are to be included with any program addressing storm water regulations.

Topic	Date Covered	Signature
Goals and Purpose of the Plan	_____	_____

- Prevent contamination of storm water discharge into waters.

  Comments: _____

  _____

  _____

- Promote cleaner and safer industrial activities

  Comments: _____

  _____

  _____

Materials Management Practices	_____	_____

- Spill Prevention and Response Procedures

  Comments: _____

  _____

  _____

- Preventive maintenance

  Comments: _____

  _____

  _____

Storm Water Management	_____	_____

- Containment, oil and grease separation, sediment control, chemical waste disposal, and storm water diversion.

  Comments: _____

  _____

EMERGENCY RESPONSE CONTACT LIST

The following space is provided to record the names and telephone numbers of those persons and agencies whose services may be required in the event of a release of significant material.

SWPC Plan Implementor		
John Hone	(Office):	1-503-285-4621
	(cell):	1-503-784-3463
Fire Department		For Emergency Dial 911
Police Department		For Emergency Dial 911
Health and Safety		
Local Rescue Unit		For Emergency Dial 911
Good Samaritan Hospital (Emergency)		1-503-686-6931
Other		
Environmental Agencies		
DEQ Portland Main Office		1-800-452-4011
DEQ Northwest Regional Office		1-503-229-5263
Oregon Emergency Response System		
	(In Oregon):	1-800-452-0311
	(Outside Oregon):	1-503-378-6377
Other		
Hazardous Materials Spills		
To report spills of reportable quantities (RQs) of oil or hazardous materials:		
National Response Center (NRC)		1-800-424-8802
Other		

SPILL INCIDENT REPORT FORM

A Spill Incident Report shall be completed following each spill or leak of significant materials which could impact storm water runoff.

Date of Incident _____ **Time of Incident** _____

Location of Release _____

Description of Materials _____

_____

Approximate quantity of material _____

Is substance Hazardous? _____

Was DEQ notified? _____

Did spill or leak impact storm water? _____

Weather conditions_____

Describe the incident including the cause, response procedures, methods used to contain the spill, and practices which could prevent similar incidents.

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____ _____

Signature of Plan Implementor **Date**

APPENDIX A

Schedule of Significant Stormwater Dates

APPENDIX B

Sampling Procedures: Quality Assurance/Quality Control

APPENDIX C
Internal Reporting Forms

APPENDIX D

Spill Prevention and Response Procedures: A Guide for First Responders

USR/011690003.DOC

MAUL FOSTER ALONGI INC.
ENVIRONMENTAL & ENGINEERING CONSULTANTS
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CELEBRATING 10 YEARS 1996-2006

May 4, 2006
Project No. 0168.01.02

Dennis Jurries
Northwest Water Quality Division
Oregon Department of Environmental Quality
2020 SW 4th Avenue, Suite 400
Portland, Oregon 97201-4987

Aaron Wieting
Industrial Stormwater Program
Bureau of Environmental Services
Water Pollution Control Laboratory
6543 N. Burlington Avenue
Portland, Oregon 97203-5452

Re: Submittal of SWPCP for Ash Grove Cement Company (File No. 107213)

Dear Mr. Jurries and Mr. Wieting:

On behalf of Ash Grove Cement Company (Ash Grove), Maul Foster & Alongi, Inc. (MFA) is submitting the attached Storm Water Pollution Control Plan (SWPCP) for Ash Grove's facility at 2600 North River Road in Portland, Oregon. A National Pollutant Discharge Elimination System (NPDES) 1200-Z General Permit (file number 107213) was recently transferred to Ash Grove. The attached SWPCP fulfills the requirements of Schedule A of the permit. The SWPCP describes pollution control measures at the recently acquired north terminal (which was previously permitted), as well as operations at the existing south terminal.

Please call if you have any questions.

Sincerely,

Maul Foster & Alongi, Inc.

Alistaire Clary, P.E.
Senior Engineer

Michael Rounds, E.I.T.
Staff Engineer

Attachments: SWPCP

cc/att: Bob Vantuyl, Ash Grove Cement
Glenn Dollar, Ash Grove Cement
John Hone, Ash Grove Cement (2)

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ASH GROVE CEMENT COMPANY

STORM WATER POLLUTION CONTROL PLAN

FILE NUMBER 107213

Prepared for

Ash Grove Cement Company
3737 North Port Center Way
Multnomah County
Portland, Oregon 97217

May 4, 2006

Prepared by

Maul Foster & Alongi, Inc.
7223 NE Hazel Dell Avenue, Suite B
Vancouver, Washington 98665

Project No. 0168.01.02

Ash Grove Storm Water Pollution Control Plan

The material and data in this report were prepared under the supervision and direction of the undersigned.

Maul Foster & Alongi, Inc.

Alistaire Clary, P.E.

Michael Rounds, E.I.T.

Ash Grove Storm Water Pollution Control Plan

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information. The information presented is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Responsible Corporate Officer:

Signature: Gary Wright Date: 5/2/06
Printed Name: Gary Wright
Title: Portland Operations Manager

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1 INTRODUCTION

1.1 Background

In 1990 the U.S. Environmental Protection Agency (USEPA) adopted regulations requiring National Pollutant Discharge Elimination System (NPDES) permits for discharges of storm water to surface waters from certain industrial activities. The Oregon Department of Environmental Quality (DEQ) is responsible for implementing these regulations and issuing permits. On July 26, 2002 the DEQ issued a 1200-Z General National Pollutant Discharge Elimination System (NPDES) Storm Water Discharge Permit to Goldendale Aluminum Company (GAC) (File Number 107213). The current permit expires on June 30, 2007. Ash Grove Cement Company (Ash Grove) purchased the GAC property on December 28, 2005. On January 10, 2006, Ash Grove received confirmation from DEQ that the NPDES permit 1200-Z (file no. 107213) has officially been transferred to Ash Grove. A copy of the 1200-Z NPDES permit is included as Appendix A.

1.2 Purpose

This Storm Water Pollution Control Plan (SWPCP) was prepared in compliance with Schedule A of the 1200-Z permit. The SWPCP includes both the north terminal (former GAC property) and the south terminal (property to the south located at 3737 North Port Center Way that has been owned and operated by Ash Grove since 1995 as a cement distribution terminal).

The SWPCP is a guidance document intended for use by Ash Grove personnel to minimize releases of pollutants to surface water from the facility's cement transfer operations. The SWPCP is intended to describe the permit requirements, relevant site information, and Best Management Practices (BMPs) applicable to the Ash Grove facility.

2 SWPCP REVIEW

Maul Foster & Alongi, Inc. prepared this comprehensive update of the SWPCP in April 2006, based on a 1998 SWPCP for the facility that was prepared by CH2MHILL of Portland, Oregon, and on revisions to the SWPCP made by Ash Grove in January of 2006. Ash Grove will continue to review the SWPCP according to the following schedule:

- Within 60 days of exceeding a benchmark.
- If site conditions change materially.

As part of the SWPCP review, Ash Grove will verify implementation and internal compliance with the plan and identify any additional controls necessary. The SWPCP will be revised as needed, based upon the review. Revisions will be submitted to the DEQ within 14 days of completion. An SWPCP Review and Revision Documentation Form is included in Appendix B to track modifications to the SWPCP.

3 SITE DESCRIPTION

Ash Grove has operated a cement distribution facility at 3737 North Port Center Way since 1995. Ash Grove purchased the property north of its existing operations from GAC on December 28, 2005. The combined property (facility) includes a north terminal (former GAC property) and a south terminal (existing Ash Grove facility). The facility is rectangular in shape and encompasses approximately 14.52 acres. The facility is located on the east bank of the Willamette River approximately nine miles upstream of the confluence of the Willamette River into the Columbia River and one mile northwest of the Fremont Bridge (see Figure 1). The facility is bordered on the west by the Willamette River, north by the City of Portland combined sewage outfall project, and east and south by Union Pacific railroad. The facility is located in the South 1/2 of Section 21 and the North 1/2 of Section 28 of Township 1 North, Range 1 East.

The facility is located in the northern portion of the Willamette Valley physiographic province. The region is underlain with sand and silt deposited on the flood plain and includes areas of artificial fill, largely derived from Recent alluvium.[1] The *Soil Survey of Multnomah County Area, Oregon*, compiled by the U.S. Soil Conservation Service, describes the soil at the subject property as Urban land, 0 to 3 percent slopes. No hydric soil components are listed for this soil series in the May 31, 1989, Hydric Soils in Multnomah County Area, Oregon, compiled by the U.S. Soil Conservation Service. Hydric soils are an essential characteristic of wetlands and are defined as soils which are saturated, flooded, or ponded long enough to develop anaerobic conditions in the upper part of the soil profile. From the published soil survey information available, it would appear that the subject site does not meet the soil criteria for jurisdictional wetlands. However, a comprehensive and site specific wetlands determination, including characterization of the soils using onsite assessment methods and assessment of hydrophytic vegetation and wetland hydrology, has not been performed.

The north terminal (8.22 acres) was originally completed in January 1982 as an alumina transfer facility. It includes ship mooring dolphins, a dock, a pneumatic conveyance system with a blower room (for material transfer from the ship to the silos), a reclaim system (for material transfer from the silos to the rail load-out building), three silos, a rail load-out building, a shop and administration building, a garage, a boat house, railroad spur tracks with car movers, and paved roadways (see Figures 2A, 2B, & 2C). Physical modifications

[1] United States Geological Survey, "Geologic Map of Oregon," 1991.

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planned for the north terminal will include bulk handling equipment changes to facilitate the handling of Portland cement in addition to powdered alumina.

The south terminal (6.30 acres) was completed in December 1995 and operates as a cement distribution facility. It includes a barge mooring structure, a dock, six concrete storage silos, a physical testing lab, a rail unload structure, a shop area, railroad spur tracks with car indexer, a truck wash area, an operations building, and paved roadways (see Figures 2C, 2D, 2E, & 2F).

3.1 Industrial Activities

3.1.1 Material Handling

Ash Grove Cement intends to utilize the north terminal to unload Portland cement and alumina from ocean vessels and shipping the product out via railcar and truck. The initial permitted transfer limits will be 1,050,000 tons annually. Ships containing up to 60,000 tons of cement or alumina will be moored at the north terminal periodically. The cement or alumina will be transferred from the ship to one of the three 90-foot-diameter by 90-foot-high silos. The combined storage capacity of the silos is approximately 60,000 tons. The transfer will be accomplished by a pneumatic system which employs a large blower in the concrete blower room located on the east side of the dock. The pneumatic piping consists of a series of air lifts and slides. The facility will operate 24 hours a day when offloading is taking place. A reclaim system is used to transfer the cement and alumina from the silos to the rail load-out building into covered rail hopper cars. The hopper cars are moved on two parallel railroad spur tracks from the south to the north by car movers located on either end of the rail load-out building. The hopper cars are loaded by an automatic system that is monitored in a control room. Flexible chutes form a tight seal around the hopper opening during transfer operations. When the chute is raised off of the opening, the cover to the opening is closed and secured. The hopper cars are then transported offsite.

Following proposed site modifications, the south terminal will receive cement from the north terminal via an enclosed conveyor system. The south terminal will also receive cement from rail cars. Cement will be transferred to trucks at the south terminal.

3.1.2 Truck Wash Area and Drain Table

Ash Grove has a designated truck wash area at the south terminal where pressurized water is used to clean trucks hauling cement before they leave the facility (see Figure 2D). The truck wash area is constructed on a concrete pad and wash water is collected through a racked floor drain that conveys the wash water to a pH adjustment system. From the pH adjustment system water is discharged into a large pond where it is infiltrated into the

ground. The truck wash operation is permitted under WPCF Permit 17B (file no. 110230) and is not part of the activities permitted under the facility's NPDES permit.

3.1.3 Equipment Refueling and Garage

Ash Grove utilizes motorized equipment to conduct daily operations (e.g., bobcat, front end loader, and forklift). These items require daily fueling and lubrication. A 500-gallon double-walled diesel aboveground storage tank (AST) is located at the north terminal on the north side of the garage (see Figure 2B). The tank and dispenser are protected against collision by concrete-filled steel pipe bollards. Ash Grove plans to upgrade secondary containment around this tank to accommodate containment of fuel deliveries.

Truck and equipment maintenance activities are conducted inside the garage. Vehicles are stored under cover in the garage when they are not being used. Ash Grove plans to start storing 55-gallon drums of motor oil and hydraulic oil in the garage. Ash Grove will also store a 300-gallon waste oil tank with secondary containment in the garage. These activities do not impact storm water.

3.1.4 Garden Storage Shed and Boat House

A garden storage shed and boat house are located at the north terminal (see Figure 2A). The buildings are north of the garage, west of the paved roadway, and near the top of the river bank. Gardening equipment (lawn mowers, hedge shears, etc.) is stored in shed. The equipment is used to maintain the grounds. Ash Grove intends to store the boat in the Boat House. Gasoline and oil will not be stored in the garden shed or boat house except for that which is in the equipment.

3.2 Storm Water Drainage Basins and Discharge Points

The facility lies within the Lower Willamette Basin. A survey of the facility shows the property ranges from an elevation of 17 feet near the water to 31 feet NGVD 29(47). The site is generally flat with little topographic relief except for the bank extending to the Willamette River. Precipitation occurs mainly in the form of rain with an annual average of 37.07 inches per year.[2]

In the north terminal, impervious areas, including all roofed and asphalt paved areas, account for 1.54 acres of the total 8.22 acres, or approximately 19 percent of the area. Note that the north terminal property area includes a portion of the Willamette River beyond the

---

[2] *Monthly Station Normals of Temperature, Precipitation, and Heating and Cooling Degree Days 1971-2000.* National Ocean and Atmospheric Administration, January 2006. Information recorded at Portland WSFO AP Station No. 6751.

low water line. In the south terminal, impervious areas account for 1.59 acres of the total 6.30 acres, or approximately 25 percent of the area.

The north terminal is divided into four local drainage basins (Drainage Basins 1 through 4) and the south terminal is divided into two local drainage basins (Drainage Basins 5 and 6). Drainage patterns for each basin are shown on Figures 2A through 2F, with arrows indicating local flow patterns of storm water runoff. Note that the rail-spur covered in ballast rock is not included in the impervious area inventory. Each basin is described in the following sections. Operations in each drainage basin have been reviewed. Potential pollutants have been identified where a reasonable potential exists for contributing significant amounts of pollutants to storm water runoff from the drainage basin.

3.2.1 Drainage Basin 1

Drainage Basin 1 is approximately 0.24 acres, all of which is impervious. Basin 1 includes the paved areas south of the rail load out building, east of the silos, and west of the rail car movers (see Figure 2B). Basin 1 also includes storm water that drains off the hopper rail cars during their movement through the building and that is collected in catch basins inside the rail load-out building and trench drains at both end of the rail load-out building. Cement and alumina are potential pollutants to the storm water runoff from this area. Site controls for these potential pollutants are discussed in Section 4. All storm water drains through catch basins or trench drains to a pipe network and vault before discharging from Outfall 4. The vault, measuring 5.2 feet long by 3.7 feet wide by 6 feet deep, acts as a settling basin before storm water is discharged from Outfall 4 to the Willamette River.

3.2.2 Drainage Basin 2

Drainage Basin 2 includes the northern portion of the property, the graveled railroad spur tracks, the garden storage shed, the boat house, an asphalt parking lot, the 500-gallon diesel AST, and the garage (see Figures 2A and 2B). Petroleum products from fueling and servicing operations of mobile equipment are potential pollutants to the storm water runoff from this area. Site controls for these potential pollutants are discussed in Section 4. Storm water runoff from this area infiltrates into the railroad gravel bed or into the grassy area west of the asphalt surface.

3.2.3 Drainage Basin 3

Drainage Basin 3 includes the piling-supported concrete dock; including the shop, administration building, and the pneumatic unloading system (see Figure 2B). Ship unloading operations pose little potential impacts to the storm water runoff from this area because the cement or alumina being transported is totally enclosed. Most storm water runoff from this area discharges directly to the Willamette River by sheet flow. Storm

water that falls within the reclaim system air lift pit and the ship unloading air lift pit is pumped directly to the river and is checked for oil sheen regularly. There are no discharges other than storm water to the pits.

3.2.4 Drainage Basin 4

Drainage Basin 4 includes the south part of the north terminal, the graveled railroad spur tracks, and the reclaim system (see Figures 2B and 2C). Reclaim operations pose little potential impacts to the storm water runoff from this area because the cement or alumina being transported is enclosed. Storm water runoff from this area either infiltrates into the railroad bed or grassy strip west of the asphalt surface.

3.2.5 Drainage Basin 5

Drainage Basin 5 includes the facility roadway and landscaped areas in the north part of the south terminal (see Figures 2C, 2D, and 2E). Storm water from most of the roadway runs off the road and infiltrates in the area west of the road. Storm water from the landscaped areas infiltrates directly into the ground.

Storm water in the immediate area around the truck wash flows to the truck wash rack floor drain that conveys the wash water to a pH adjustment system and then to an infiltration pond. Hydrochloric acid is used in the pH adjustment system and is a potential pollutant. The acid is stored in 55-gallon drums. Any spills or leaks of the acid would be contained in the pH adjustment system. Cement, oil and grease, and metals are also potential pollutants to the truck wash area. However, the truck wash operation is permitted under WPCF Permit 17B (file no. 110230) and is not part of the facility's NPDES permit.

3.2.6 Drainage Basin 6

Drainage Basin 6 includes the facility roadway and landscaped areas in the south part of the south terminal. It also includes the area around the south terminal silos and the silo bypass road (see Figures 2E,and 2F). Storm water either infiltrates into pervious areas adjacent to the roadway or flows as shallow concentrated flow toward the dock where it discharges to the Willamette River.

3.2.7 Drainage Basin 7

Drainage Basin 7 includes the bank of the Willamette River and the three north terminal storage silos (see Figures 2A through 2F). Storm water from Basin 7 either infiltrates or discharges via sheet flow to the Willamette River. Storm water runoff from the roofs of the three storage silos flows directly to the Willamette River by sheet flow.

3.3 Potential Pollutants

Potential pollutants that could impact storm water are listed below.

- Cement dust
- Alumina (north terminal)
- Petroleum products including fuel, oil and grease from fueling operations and from vehicles operating or parking at the site
- Heavy metals (copper, lead, nickel, and zinc) from roofs and equipment stored on site
- Hydrochloric acid (south terminal)

Site controls for these potential pollutants are discussed in Section 4.

3.4 Receiving Waters

Storm water from the Ash Grove facility is discharged to the Willamette River through Outfall 4 and as sheet flow from the loading docks at the north and south terminals. The Willamette River has been identified as Water Quality Limited by the DEQ. Storm water from much of the site infiltrates directly into the ground through graveled or grassy areas.

3.5 Storm Water Monitoring

As required by Schedule B of the 1200-Z permit, Ash Grove will collect storm water samples twice each year, at least 60 days apart, during a storm water runoff event when runoff is occurring from the site. It is preferred, but not required that one sample is collected in the fall and one sample is collected in the spring. The samples will be analyzed for the parameters specified in the facility Permit and compared to the respective benchmarks set forth in the Permit and listed below.

Parameter	Benchmark	Frequency	Sample Type
Total Copper	0.10 mg/l	Twice per Year	Grab
Total Lead	0.04 mg/l	Twice per Year	Grab
Total Zinc	0.60 mg/l	Twice per Year	Grab
pH	5.5-9.0 Std Units	Twice per Year	Grab
Total Suspended Solids	130 mg/l	Twice per Year	Grab
Oil and Grease	10 mg/l	Twice per Year	Grab

Ash Grove collects samples at two representative sampling locations: Outfall 4 (Basin 1) and at the south terminal dock (Basin 6). Ash Grove performs visual observations on a

monthly basis, if a storm event has occurred, to identify oil and grease sheen and floating solids. Ash Grove also measures temperature monthly during the visual observations. Visual monitoring is completed at the Outfall 4 and south terminal dock sampling locations. The results are logged on the Visual Monitoring Log (see Appendix C).

If the benchmarks listed in the Permit are met (or if exceeded parameters have been due to natural or background conditions as described in Schedule A.9.b of the Permit) for at least four consecutive storm water monitoring events over 24 continuous months, a written request may be submitted to DEQ requesting a cessation of monitoring. Visual observations must be continued.

4 SITE CONTROLS AND BEST MANAGEMENT PRACTICES

4.1 Pollution Prevention Team

The SWPCP implementor is the Portland Terminal Manager. Operational employees will receive training in the site BMPs and goals of the SWPCP, spill prevention and control, good housekeeping, and significant materials management practices.

4.2 Best Management Practices

Schedule A of the Permit lists several BMP that are required if technically and ecconomically feasible. These BMPs are described below.

4.2.1 Containment/Fueling Operations

All hazardous materials must have secondary containment to prevent leaks and spills. Hazardous materials used at the facility are stored inside enclosed buildings. The buildings provide containment of these materials. Containment of waste oil is described below in Section 4.2.3

Fueling operations for motorized equipment are conducted at the fueling station located adjacent to the garage. The 500-gallon double walled diesel tank is located on the outside north wall of the garage. Ash Grove intends on adding secondary containment to the fueling area to contain 110% of the capacity of the fuel tank. The tank is protected from heavy traffic and vehicles by concrete filled steel pipe bollards. The fueling areas include absorbent material and oil booms to prevent petroleum spills from entering the storm water catch basins. This multi-level approach reduces the risk of petroleum spills from entering the Willamette River. The following protocol is used during fueling operations to reduce the risk of spills:

- Drip pans are placed under the fuel tank during fueling operations, as an extra precaution, to capture fuel that may spill. Any spilled fuel will be immediately transferred from the drip pan to a waste fuel container and properly disposed.

- Spills will be immediately addressed in accordance with the provisions of this SWPCP.

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- An adequate supply of response material is maintained.
- Employees are trained on the proper use of fuel dispensers. "No Topping off" signs are posted in reduce spillage and venting of gas fumes to the air.

4.2.2 Oil and Grease

Each catch basin has a sump and an elbow to collect sediment and to provide an initial trap for floating debris, oils and grease. The catch basins are routinely inspected and cleaned.

4.2.3 Waste Chemicals and Material Disposal

Used oil is generated as a result of site operations. The waste oil collection and containment area is located inside the garage (see Figure 2B). A 300-gallon waste oil tank within secondary containment will be located in the garage. This containment area will be covered and will not be exposed to the elements. The configuration of the used oil area will have separate tanks for anti-freeze and used oil.

Used oil generated as a result of routine maintenance will be collected in drip pans and designated containers. The used oil will immediately be transferred to the used oil container. Drip pans will be clearly marked. No used oil or byproducts will be kept or stored outside the garage.

A local waste oil company is retained as required to pick up all waste oil products. The waste petroleum products are recycled and the absorbent pads properly disposed of offsite. Accumulated oil will be recycled through licensed, certified processors.

4.2.4 Erosion and Sediment Control

Site roadways are paved to eliminate erosion in those areas. Unpaved areas are vegetated and/or rocked to help prevent erosion and to control sedimentation.

4.2.5 Debris Control

Each catch basin has a sump and an elbow to collect sediment and to provide an initial trap for floating debris and oils. The catch basins are routinely inspected and cleaned. Storm water from the catch basins at the north terminal is conveyed through a vault. The vault allows solids to settle out before they are discharged from Outfall 4.

4.2.6 Storm water Diversion

Storm water runoff is not currently diverted away from any particular areas of potential storm water contamination since all significant industrial activities are enclosed or covered.

4.2.7 Covering Activities

The ships are securely moored to the dock before any unloading operations are started. One compartment of the ship is unloaded at a time. Precautions are taken to ensure the containment of the cement or alumina. The unloading operation by Ash Grove is performed with a pneumatic system that keeps the cement and alumina enclosed and covered as it is transported from the ships to the storage silos. The pneumatic system and the silos are inspected and maintained to avoid any leakage.

Cement and alumina are reclaimed from the silos to either covered hopper rail cars or to the truck loadout silos. The reclaim system keeps the materials enclosed and covered as they are transported. In the rail load-out building, the cement and alumina are enclosed and covered as they are transported to the rail hopper cars. The operators in the rail load-out control room meter the flow and quantity to each hopper and remove the sealed chute from the opening when the flow has stopped and secure the hopper cover before it leaves the building. Rail hopper cars are closed and sealed before they leave the building.

A totally enclosed conveyor system will be installed that will transfer cement to the adjacent truck loadout located north of the storage silos.

Oil drums and the 300-gallon waste oil tank will be stored under cover in the garage, and the blower for the pneumatic system is contained under cover in a concrete building on the loading dock at the north terminal.

4.2.8 Housekeeping

Ash Grove maintains rigorous housekeeping standards for the facility, including the following:

- Equipment and especially hydraulic equipment is maintained in good working order.
- Cement and alumina are conveyed and stored in enclosed systems.
- A vacuum system located at the rail loadout building is used to cleanup any cement spills that may occur.
- A mobile sweeper is used to maintain the surface area of the facility.
- Catch basins, manholes, and vaults are cleaned out as necessary.

- Leaks and spills, including oils, fuels, and dust from site operations are promptly contained and cleaned up. Spill response kits are strategically located in the garage and the shop next to the administrative office to facilitate expeditious cleanup.
- Preventive maintenance for vehicles and equipment is performed regularly and equipment with leaks will be removed from service until the source of the leak has been repaired.
- Cleaning of oily parts is completed in the designated maintenance area of the garage. The containment area will be maintained to prevent spillage or overfill.
- Cement and alumina are stored within the silos to prevent exposure to weather and runoff.

4.2.9 Other Site Controls

4.2.9.1 Truck Wash Area

Ash Grove uses pressurized water to clean trucks leaving the site. The washing activities take place at a designated facility located at the south terminal. The truck washing facility is covered and the pad material is constructed of concrete, forming an impenetrable barrier to the subsurface. Wash water is conveyed through a racked floor drain and is processed through a settling tank and pH adjustment system. The effluent is discharged to a large infiltration pond. Wash water does not enter the storm water system. The truck wash operation is permitted under WPCF Permit 17B (file no. 110230) and is not included in the permitted activities for the facility's NPDES permit. Maintenance of equipment (e.g., oil changing, hydraulic line maintenance, etc.) is not conducted within the wash area.

4.3 Spill Prevention and Response Procedures

Ash Grove will make every effort to reduce the possibility of spills. In the event of a spill, immediate response is required to prevent the spill from entering the storm water system. A spill incident report form and emergency response contact list are provided in Appendix D. The following action will take place in the event of a spill.

- Immediately assess the situation.
- If the spill is minor (e.g., and can be contained and cleaned with minimal effort):
  - Proceed with cleanup and report the event to the environmental manager as soon as reasonably possible. Response actions may include pumping the material into containers or using absorbent material to contain the spill, or both. Spill kits consisting of floor sweep and oil booms are stored in the garage and in the shop next to the administrative office (see Figure 2B) Floor sweep (e.g., kitty litter) and booms may be used to absorb liquid spills. Spills

Appendix19-000196

that are in close proximity to catch basins may be contained by placing booms, catch basin plugs, and floor sweep around the catch basin.

- The material used to contain/clean the spill will be disposed of in containers provided specifically for this purpose. Spill drums (salvage drums) are located next in the garage.

- Report the event to management.

- If the spill is beyond the ability of a single employee to control, notify management and your supervisor immediately.

4.4 Preventive Maintenance

A preventative maintenance program is implemented at the site and summarized below:

- Monthly inspections are completed of areas where potential spills may occur (e.g., loading buildings, equipment fueling station, truck wash area, and equipment maintenance areas). Monthly Inspections are logged on the forms provided in Appendix E.

- Monthly inspections of the storm water system including catch basins, vault, manholes, outfalls, and roof drain downspouts are completed. Supplies in spill kits and floor sweep supplies are replenished during inspections. Monthly inspections are logged on the forms provided in Appendix E. Remove oil, debris, sludge, etc. from catch basins, manholes, and vault as necessary.

  During cleaning activities, the following precautions are taken:

  - Conduct cleaning operations during periods of dry weather.
  - Take appropriate measures to prevent the discharge of materials to the outfalls during conducting cleaning operations.
  - Clean sediment from the trap inside the catch basin each time the catch basin inserts are cleaned or replaced.

- Preventative maintenance also includes maintaining equipment in good working condition.

- The AST containment area is inspected monthly and cleaned as needed.

4.5 Employee Education

Ash Grove educates operational personnel in identifying pollutant sources and potential pollutants; and understanding pollutant control measures, and spill response procedures. A storm water pollution prevention message is discussed at selected monthly general health and safety meetings. Documentation is kept in Appendix F.

In addition, all pertinent employees are required to review the SWPCP and sign an Employee Training Form that indicates the policies and procedures are understood (see Appendix F). Suggestion boxes are made available for new suggestions.

4.6 Additional Best Management Practices

If necessary in order to maintain pollutant discharges below the established benchmarks for the site, Ash Grove shall select and implement additional BMPs from the BMP guidance document (Best Management Practices for Storm Water Associated with Industrial Activities, July 1999, DEQ NWR) or equivalent BMPs. The type and scope of any additional BMPs will depend on the chemical(s) of concern, their respective source(s), concentrations, and other pertinent information.

5 RECORD KEEPING AND INTERNAL REPORTING PROCEDURES

5.1 Record Keeping

Ash Grove will maintain the following information on-site:

- Results of storm water quality monitoring program.
- Inspection and maintenance of storm water control and treatment facilities. Monthly inspection forms are located in Appendix E.
- Spills or leaks of significant materials that may have impacted storm water runoff and the corrective actions taken.
- A SWPCP review report form (see Appendix B) filed in this notebook for documenting periodic reviews (e.g., if benchmarks are not met, a review is required).
- Copies of employee signature pages associated with the SWPCP training program (Appendix F).

Storm water system inspection forms and reports, including scope of inspection, personnel conducting inspection, date(s) of the inspection, major observations relating to the implementation of the SWPCP (i.e., performance of the BMPs, etc.) and actions taken to correct BMP inadequacies should be retained for five years.

Additionally, reports on spills of oil or hazardous substances in greater than "Reportable Quantities" (Code of Federal Regulations Tile 40, Parts 302.4 and 177) including oils, gasoline, or diesel fuel, that causes a violation of the State of Oregon Water Quality Standards will be retained on file for a period of five years.

5.2 Reporting Procedures

Grab sampling data for the previous monitoring period (July 1 – June 30) will be submitted to the DEQ Northwest Regional Office by July 15 of each year. In the case of insufficient rainfall for storm water-discharge-sample collection, sampling may be

rescheduled. Sampling performed by regulatory agencies may not be submitted as one or both of the required sampling events.

The annual report will be submitted by mail and will include:

- Site (facility) name as it appears on the Permit (Ash Grove Cement Company)
- File or site number (107213),
- Complete date of each sampling event,
- Sampling point,
- Analysis results for parameters in the Permit.

5.3 Implementation Schedule

If storm water quality fails to meet benchmarks, additional BMPs will be implemented at the facility as soon as practicable.

FIGURES

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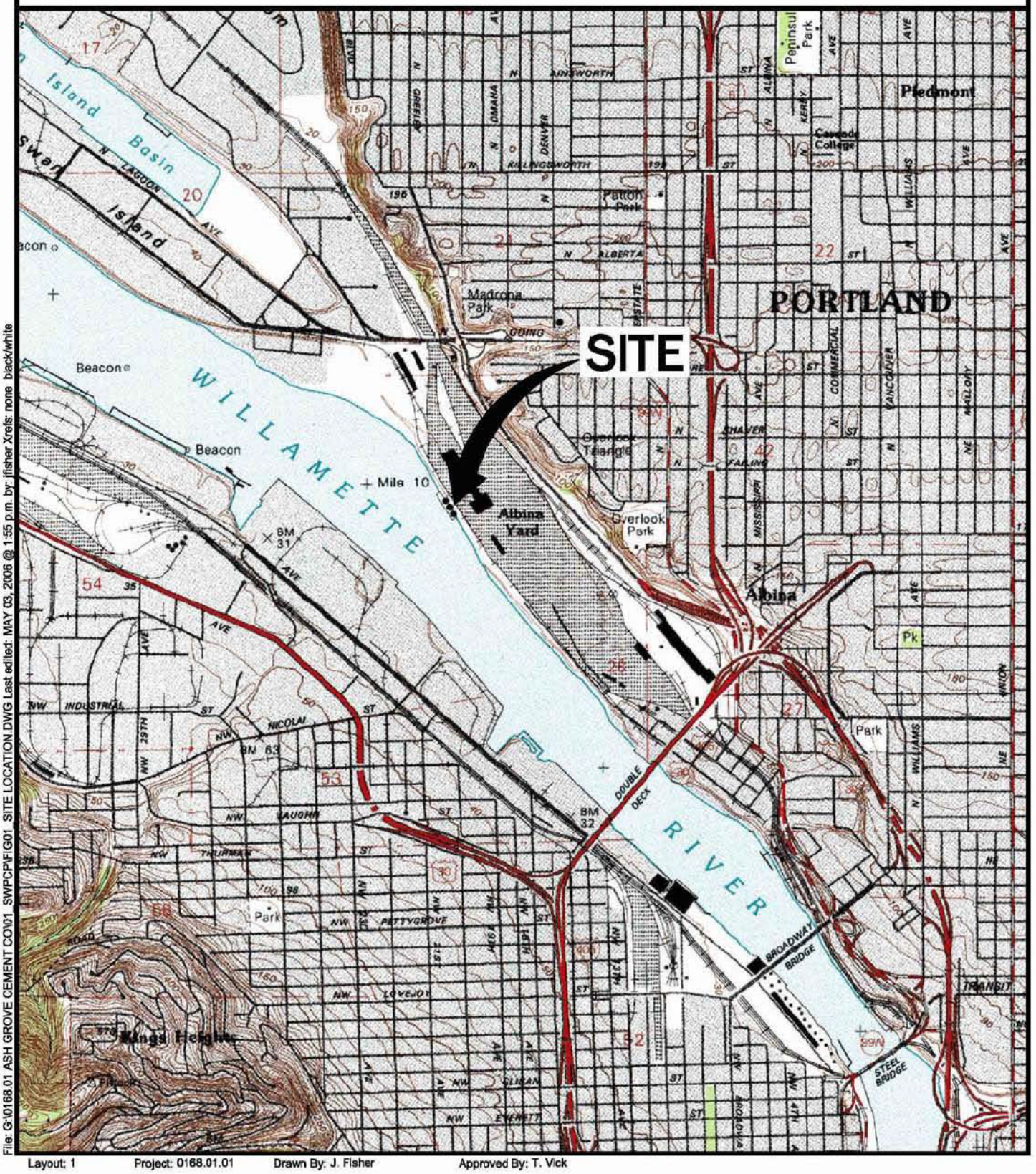
0 2000 4000
Approximate Scale in Feet

N

Figure 1
Ash Grove Cement Company
Portland, Oregon

Site Location

Source: U.S.G.S. 7.5 minute Quadrangel
Site Address: 2737 North Port Center Way
Section: 21 Township: 1N Range: 1E Of Willamette Meridian

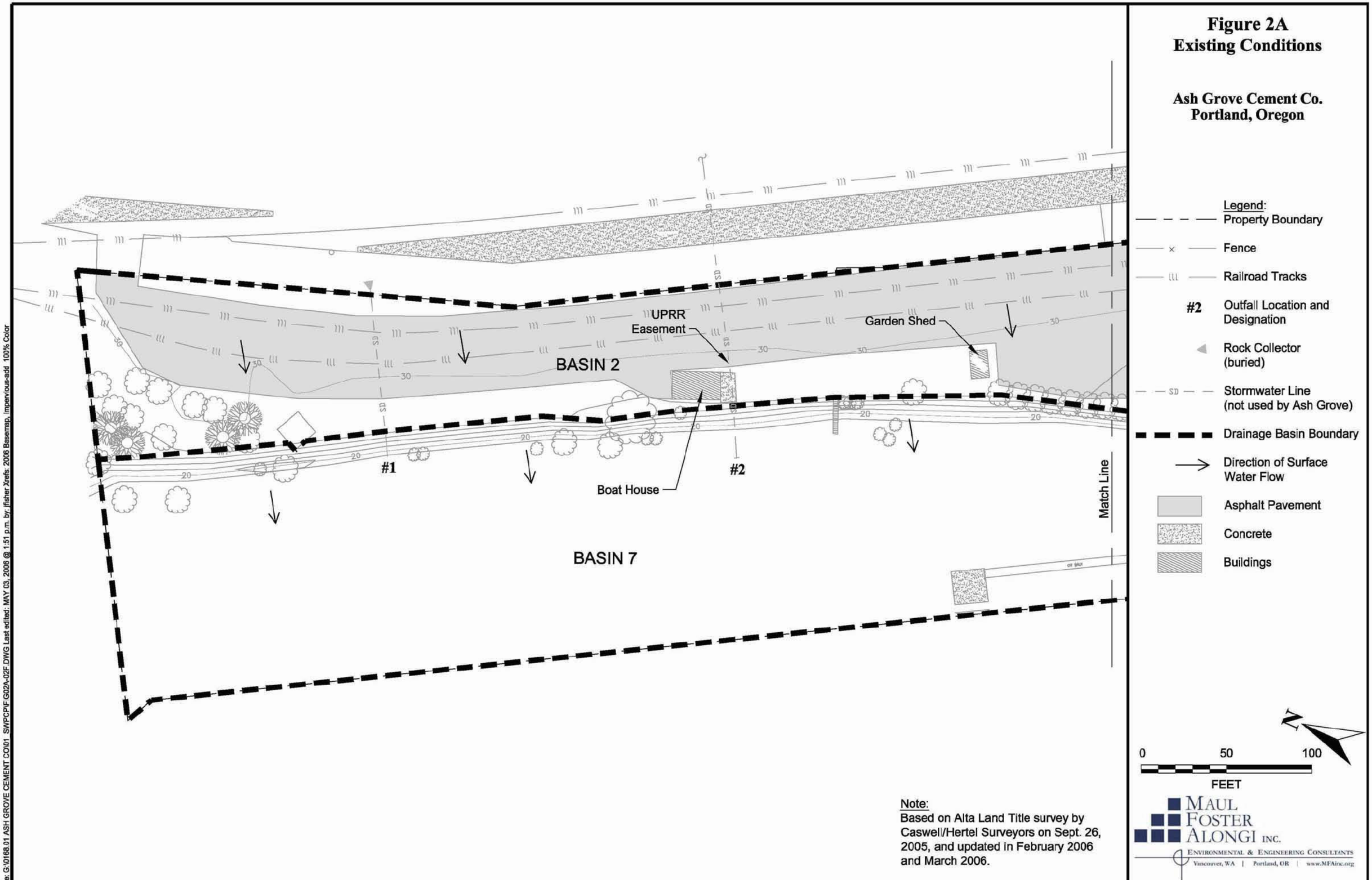


File: G:\0168.01 ASH GROVE CEMENT CO\01_SWPCP\FIG01_SITE LOCATION.DWG Last edited: MAY 03, 2006 @ 1:55 p.m. by: jfisher Xrefs: none black/white

Layout: 1 Project: 0168.01.01 Drawn By: J. Fisher Approved By: T. Vick

Figure 2A
Existing Conditions

Ash Grove Cement Co.
Portland, Oregon



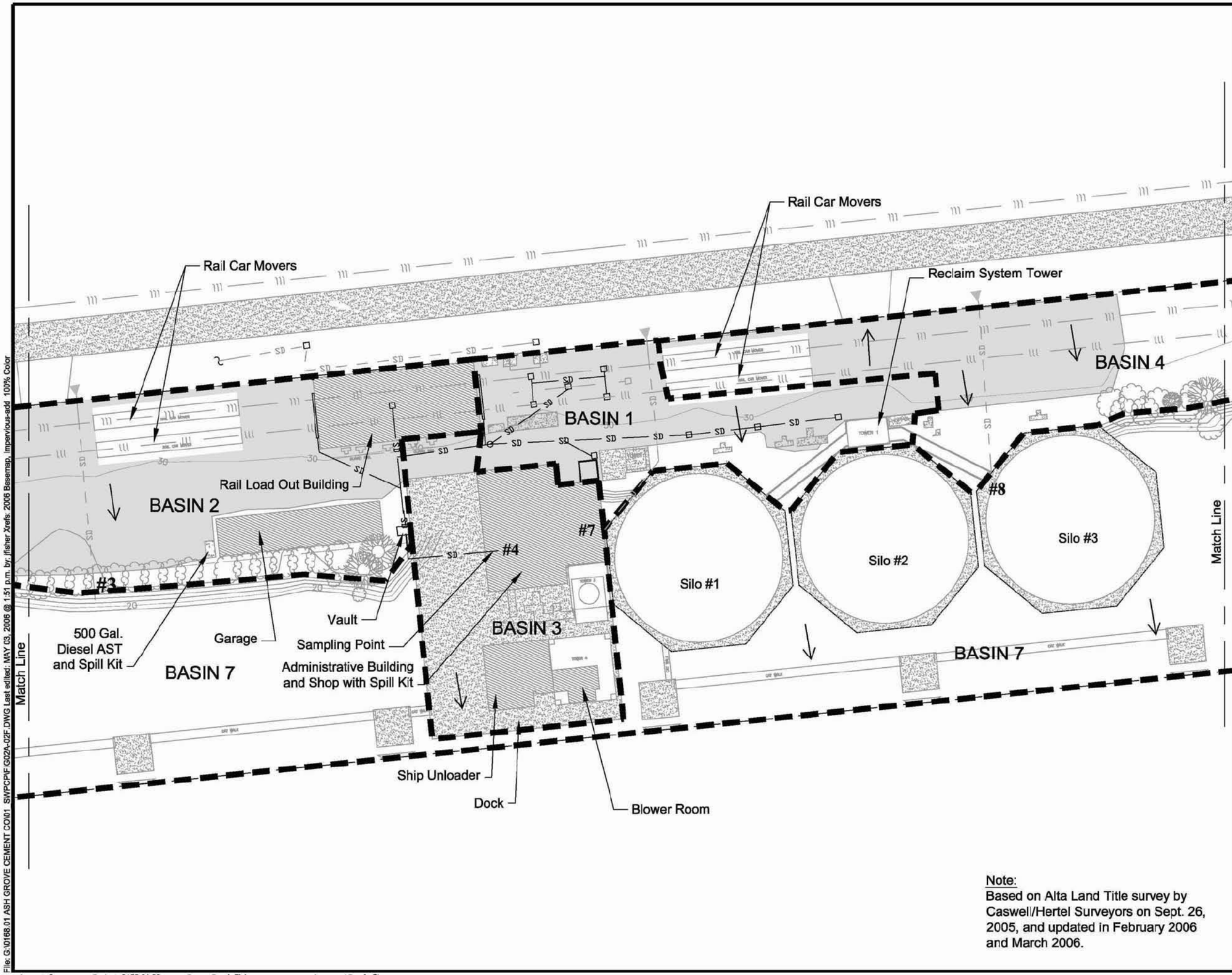
Note:
Based on Alta Land Title survey by Caswell/Hertel Surveyors on Sept. 26, 2005, and updated in February 2006 and March 2006.

File: G:\0168.01 ASH GROVE CEMENT CO\01 SWPCP\F\G02A-02F.DWG Last edited: MAY 03, 2006 @ 1:51 p.m. by: jfisher Xrefs: 2006 Basemap, Impervious-add 100% Color

Layout: 1 Project: 0168.01.02 Drawn By: J. Fisher Approved By: A. Clary

Figure 2B
Existing Conditions

Ash Grove Cement Co.
Portland, Oregon



Legend:

- Property Boundary
- Fence
- Railroad Tracks
- #2 Outfall Location and Designation
- Rock Collector (buried)
- SD Ash Grove Stormwater Line (configuration estimated)
- SD Stormwater Line (not used by Ash Grove)
- Catch Basin
- Manhole
- Drainage Basin Boundary
- Direction of Surface Water Flow
- Asphalt Pavement
- Concrete
- Buildings

0 50 100
FEET

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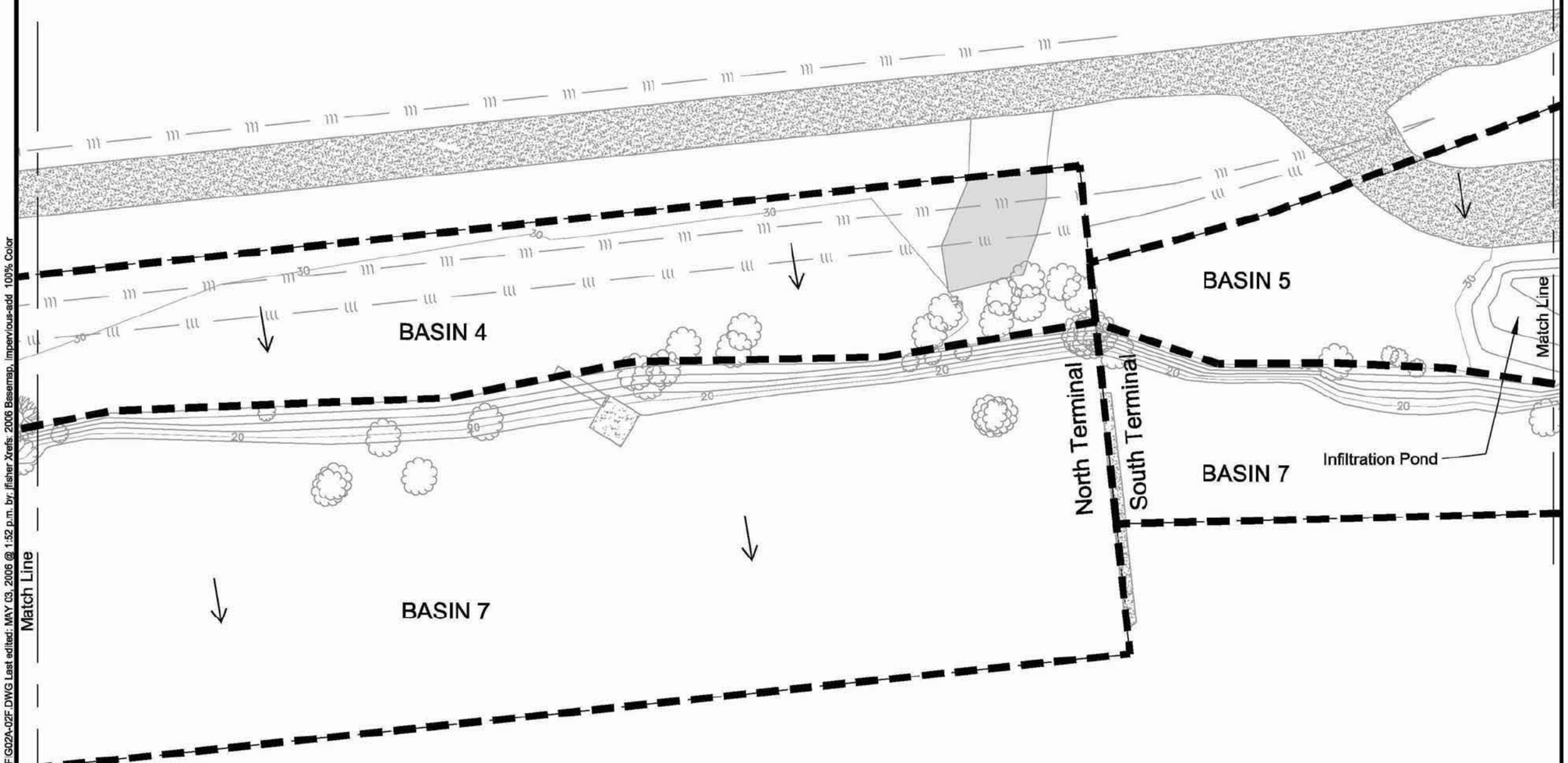
File: G:\0168.01 ASH GROVE CEMENT CO\01 SWPCP\F\G02A-02F.DWG Last edited: MAY 03, 2006 @ 1:51 p.m. by: jfisher Xrefs: 2006 Basemap, Impervious-add 100% Color

Layout: 2 Project: 0168.01.02 Drawn By: J. Fisher Approved By: A. Clary

Figure 2C
Existing Conditions

Ash Grove Cement Co.
Portland, Oregon



Legend:
- Property Boundary
- Fence
- Railroad Tracks
- Drainage Basin Boundary
- Direction of Surface Water Flow
- Concrete

N

0 50 100
FEET

Note:
Based on Alta Land Title survey by Caswell/Hertel Surveyors on Sept. 26, 2005, and updated in February 2006 and March 2006.

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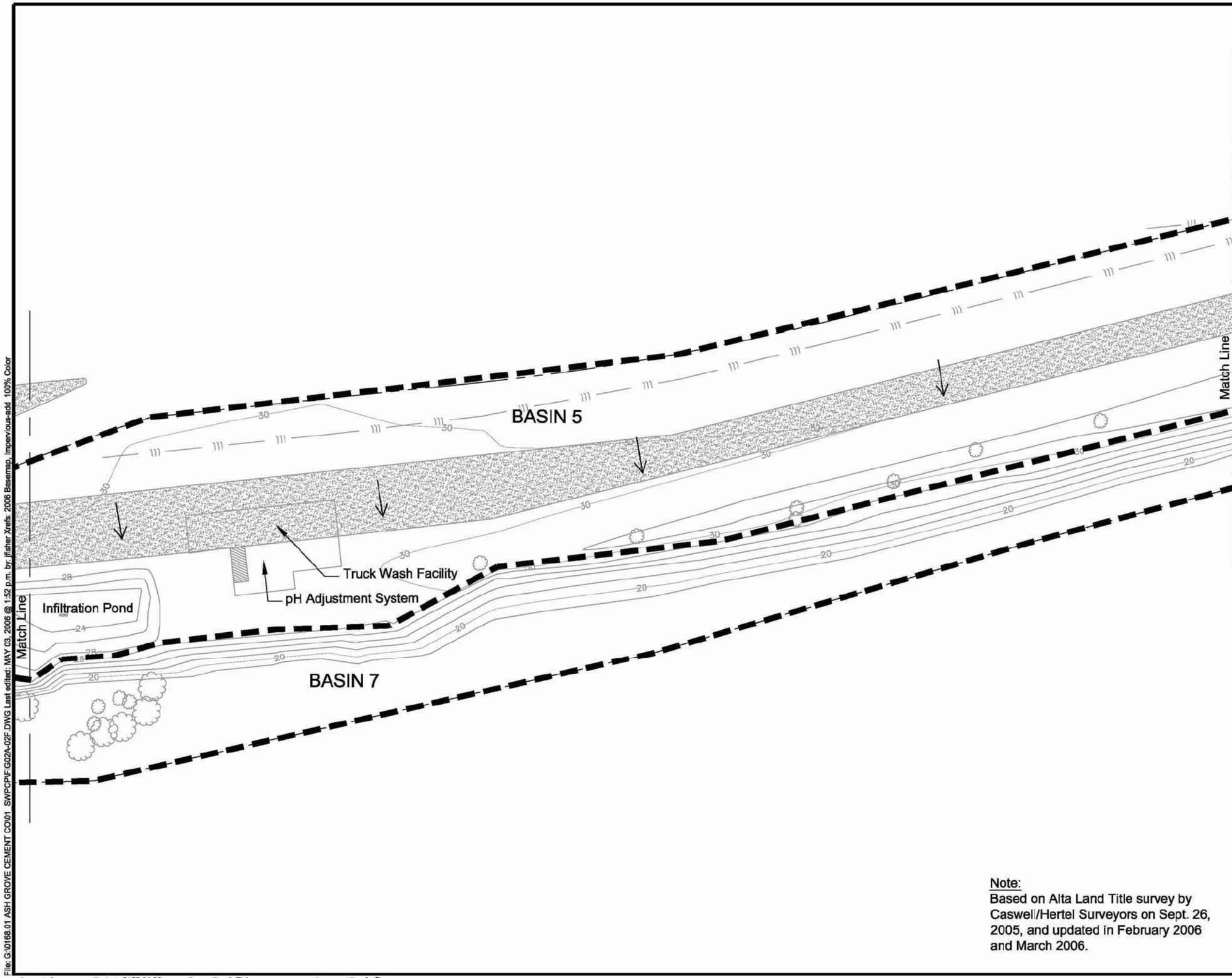
File: G:\0168.01 ASH GROVE CEMENT CO\01_SWPCPVF\G02A-02F.DWG Last edited: MAY 03, 2006 @ 1:52 p.m. by: jfisher Xrefs: 2006 Basemap, Impervious-add 100% Color

Layout: 3 Project: 0168.01.02 Drawn By: J. Fisher Approved By: A. Clary

Figure 2D
Existing Conditions

Ash Grove Cement Co.
Portland, Oregon



Legend:
- Property Boundary
- Fence
- Railroad Tracks
- Drainage Basin Boundary
- Direction of Surface Water Flow
- Concrete

N

0 50 100
FEET

Note:
Based on Alta Land Title survey by Caswell/Hertel Surveyors on Sept. 26, 2005, and updated in February 2006 and March 2006.

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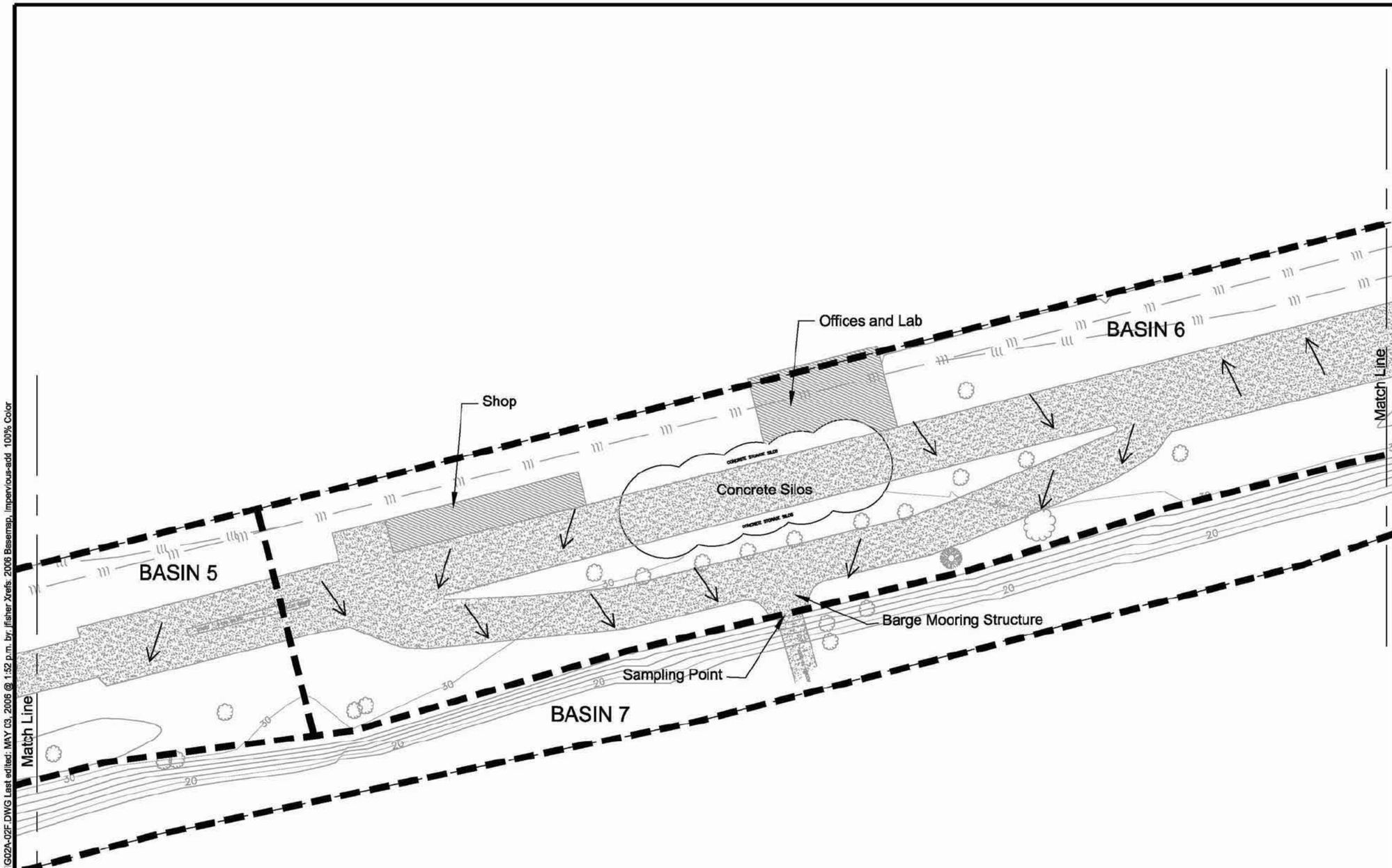
File: G:\0168.01 ASH GROVE CEMENT CO\01_SWPCP\F\G02A-02F.DWG Last edited: MAY 03, 2006 @ 1:52 p.m. by: jfisher Xrefs: 2006 Basemap, Impervious-add 100% Color

Layout: 4 Project: 0168.01.02 Drawn By: J. Fisher Approved By: A. Clary

Figure 2E
Existing Conditions

Ash Grove Cement Co.
Portland, Oregon



Legend:
- Property Boundary
- Fence
- Railroad Tracks
- Drainage Basin Boundary
- Direction of Surface Water Flow
- Concrete
- Buildings

N

0 50 100
FEET

Note:
Based on Alta Land Title survey by Caswell/Hertel Surveyors on Sept. 26, 2005, and updated in February 2006 and March 2006.

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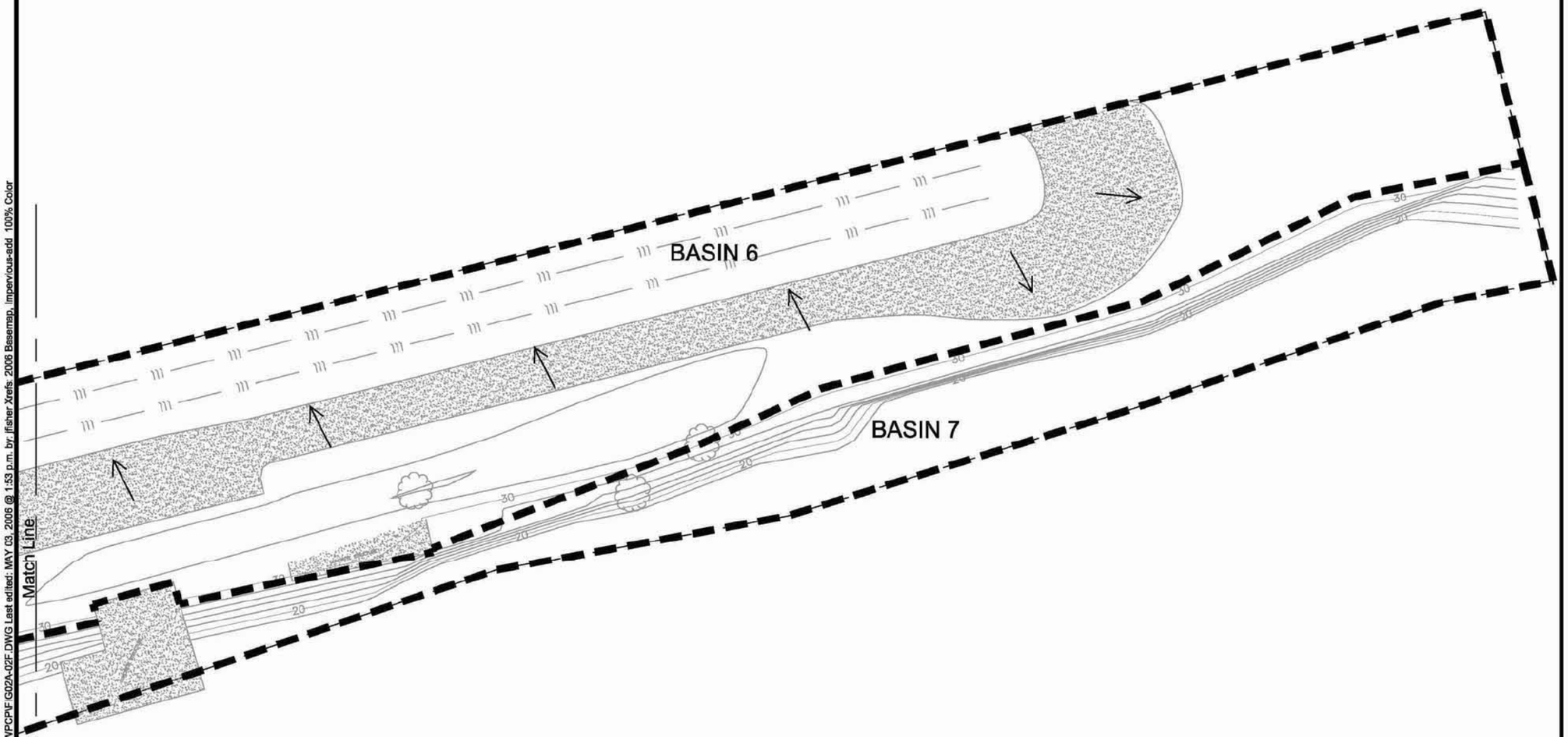
File: G:\0168.01 ASH GROVE CEMENT CO\01_SWPCP\F G02A-02F.DWG Last edited: MAY 03, 2008 @ 1:52 p.m. by: jfisher Xrefs: 2006 Basemap, Impervious-add 100% Color

Layout: 5 Project: 0168.01.02 Drawn By: J. Fisher Approved By: A. Clary

Figure 2F
Existing Conditions

Ash Grove Cement Co.
Portland, Oregon



Legend:
- Property Boundary
- Fence
- Railroad Tracks
- Drainage Basin Boundary
- Direction of Surface Water Flow
- Concrete

N

0 50 100
FEET

Note:
Based on Alta Land Title survey by Caswell/Hertel Surveyors on Sept. 26, 2005, and updated in February 2006 and March 2006.

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File: G:\0168.01 ASH GROVE CEMENT CO\01_SWPCP\F\G02A-02F.DWG Last edited: MAY 03, 2008 @ 1:53 p.m. by: jfisher Xrefs: 2006 Basemap, Impervious-add 100% Color

Layout: 6 Project: 0168.01.02 Drawn By: J. Fisher Approved By: A. Clary

APPENDIX A

1200-Z NPDES PERMIT

GENERAL PERMIT
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
STORM WATER DISCHARGE PERMIT

Department of Environmental Quality
811 Southwest Sixth Avenue, Portland, OR 97204
Telephone: (503) 229-5630 or 1-800-452-4011 toll free in Oregon
Issued pursuant to ORS 468B.050 and The Federal Clean Water Act

ISSUED TO:

All Owners or Operators of Storm Water Point Source Discharges that are Covered by this Permit

SOURCES COVERED BY THIS PERMIT

Facilities identified in 40 Code of Federal Regulation (CFR) §122.26(b)(14)(i - ix, xi) with storm water discharges. See *Table 1: Sources Covered* on p. 2 for more information on the CFR regulated industries covered by this permit. Facilities may qualify for a conditional exclusion from the requirement to obtain coverage under a permit if there is no exposure of industrial activities and materials to storm water pursuant to 40 CFR §122.26(g); see *Permit Coverage and Exclusion from Coverage* on p. 3 for more information.

Construction activities, asphalt mix batch plants, concrete batch plants and Standard Industrial Classification code 14, *Mining and Quarrying of Nonmetallic Minerals, Except Fuels*, are excluded from this permit. These activities are regulated under separate permits.

Issued: July 26, 2002
Effective: August 9, 2002

Michael T. Llewelyn, Administrator
Water Quality Division

PERMITTED ACTIVITIES

Until this permit expires or is modified or revoked, the permittee is authorized to construct, install, modify, or operate storm water treatment and/or control facilities, and to discharge storm water to public waters in conformance with all the requirements, limitations, and conditions set forth in the attached schedules as follows:

		Page
Permit Coverage and Exclusion From Coverage		3
Schedule A -	Storm Water Pollution Control Plan, Additional Requirements, Limitations, and Benchmarks	5
Schedule B -	Monitoring and Reporting Requirements	10
Schedule C -	Compliance Conditions and Schedules	12
Schedule D -	Special Conditions	13
Schedule F -	General Conditions	14

Unless specifically authorized by this permit, by another NPDES or WPCF permit, or by Oregon Administrative Rule, any other direct or indirect discharge to waters of the state is prohibited, including discharges to an underground injection control system.

TABLE 1: SOURCES COVERED

Facilities with the following primary Standard Industrial Classification codes: 10 Metal Mining 12 Coal Mining 13 Oil and Gas Extraction 20 Food and Kindred Products 21 Tobacco Products 22 Textile Mill Products 23 Apparel and Other Finished Products Made From Fabrics and Similar Material 24 Lumber and Wood Products, Except Furniture (excluding 2491 Wood Preserving and 2411 Logging) 25 Furniture and Fixtures 27 Printing, Publishing and Allied Industries 28 Chemicals and Allied Products (excluding 2874 Phosphate Fertilizer Manufacturing) 29 Petroleum Refining and Related Industries 30 Rubber and Miscellaneous Plastics Products 31 Leather and Leather Products 32 Stone, Clay, Glass, and Concrete Products 33 Primary Metal Industries 34 Fabricated Metal Products, Except Machinery and Transportation Equipment 35 Industrial and Commercial Machinery and Computer Equipment 36 Electronic and Other Electrical Equipment and Components, Except Computer Equipment 37 Transportation Equipment 38 Measuring, Analyzing, and Controlling Instruments; Photographic, Medical and Optical Goods; Watches and Clocks 39 Miscellaneous Manufacturing Industries 4221 Farm Product Warehousing and Storage 4222 Refrigerated Warehousing and Storage 4225 General Warehousing and Storage 5015 Motor Vehicle Parts, Used 5093 Scrap and Waste Materials
Facilities with the following primary Standard Industrial Classification codes that have vehicle maintenance shops (including vehicle rehabilitation, mechanical repairs, painting, fueling, and lubrication), equipment cleaning operations, or airport deicing operations: 41 Local and Suburban Transit and Interurban Highway Passenger Transportation 42 Motor Freight Transportation and Warehousing (excluding 4221 Farm Product Warehousing and Storage, 4222 Refrigerated Warehousing and Storage, and 4225 General Warehousing and Storage) 43 United States Postal Service 44 Water Transportation 45 Transportation by Air 5171 Petroleum Bulk Stations and Terminals
Steam Electric Power Generation including coal handling sites
Landfills, land application sites and open dumps [excluding landfills regulated by 40 CFR §445 that discharge "contaminated storm water" (as defined by 40 CFR §445.2) to waters of the U.S.]
Hazardous Waste Treatment, Storage and Disposal Facilities [excluding hazardous waste landfills regulated by 40 CFR §445 that discharge "contaminated storm water" (as defined by 40 CFR §445.2) to waters of the U.S.]
Treatment works treating domestic sewage or any other sewage sludge or wastewater treatment device or system, used in the storage, recycling, and reclamation of municipal or domestic sewage (including land dedicated to the disposal of sewage sludge that are located within the confines of the facility) with the design flow capacity of 1.0 mgd or more, or required to have a pretreatment program under 40 CFR §403.

PERMIT COVERAGE AND EXCLUSION FROM COVERAGE

1. **Application for General Permit Coverage**
   a) *New facilities and existing facilities obtaining coverage for the first time*
   Owners or operators of sources covered by this permit must:
      i) Submit a complete copy of the Department-approved application form to the Department requesting coverage under this permit at least 180 days prior to the planned activity that will result in the discharge to waters of the state, unless otherwise approved by the Department.
      ii) Provide payment of all fees applicable to this permit prior to obtaining coverage.

   b) *Renewal of permit coverage for existing permittees*
   Owners or operators of sources covered by this permit must:
      i) Submit a complete copy of the Department approved application form 180 days prior to permit expiration, unless otherwise approved in writing by the Department.
      ii) Provide payment of all applicable fees for permit renewal.
      iii) The existing permit will continue to be in effect through administrative extension after the permit expiration date if a complete renewal application is submitted.

   c) *Notification that permit coverage has been obtained*
      i) The Department will notify the applicant by mail that they have received coverage and is authorized to operate under the conditions of this permit.
      ii) If the applicant's operation cannot be approved for coverage under this permit, the applicant may apply for an individual permit.

2. **"No Exposure" Conditional Exclusion from Permit Coverage**
   Application for permit coverage is not required to obtain the "No Exposure" conditional exclusion described below.
   a) To qualify for this exclusion, the owner or operator must:
      i) Provide a storm resistant shelter to protect industrial materials and activities from exposure to rain, snow, snow melt, and runoff.
      ii) Complete and sign a certification, on a form approved by the Department, that there are no discharges of storm water contaminated by exposure to industrial materials and activities from the entire facility, except as provided in 40 CFR §122.26(g)(2).
      iii) Submit the signed certification to the Department once every five years.
      iv) Allow the Department to inspect the facility to determine compliance with the "no exposure" conditions, and allow the Department to make any "no exposure" inspection reports available to the public upon request.
      v) For facilities that discharge through a municipal separate storm sewer system (MS4), upon request, submit a copy of the "no exposure" certification to the MS4 operator (i.e., local municipality), as well as allow inspection and public reporting by the MS4 operator.
      vi) Use the Environmental Protection Agency (EPA) *Guidance Manual for Conditional Exclusion from Storm Water Permitting Based on "No Exposure" of Industrial Activities to Storm Water* (EPA 833-B-00-001, June 2000) to determine "no exposure."

   b) Limitations for obtaining and/or maintaining the exclusion:
      i) This exclusion is available on a facility-wide basis only, not for individual outfalls. If a facility has some discharges of storm water that would otherwise be "no exposure" discharges, individual permit requirements should be adjusted accordingly.

ii) If circumstances change and industrial materials or activities become exposed to rain, snow, snow melt, and/or runoff, the conditions for this exclusion no longer apply. In such cases, the discharge becomes subject to enforcement for un-permitted discharge. Any conditionally exempt discharger who anticipates changes in circumstances should apply for and obtain permit coverage prior to the change of circumstances.

iii) The Department retains the authority to require permit coverage (and deny this exclusion) upon making a determination that the discharge causes, has reasonable potential to cause, or contributes to an instream excursion above an applicable water quality standard, including designated uses.

iv) The Department will notify the permittee in writing of its approval of the "no exposure' conditional exclusion and termination of permit coverage. The owner or operator must maintain this notification on site.

SCHEDULE A
STORM WATER POLLUTION CONTROL PLAN

1. **Preparation and Implementation of the Storm Water Pollution Control Plan (SWPCP)**
   The permittee must prepare and implement the SWPCP according to the following:
   a) The SWPCP must be prepared according to the requirements in Schedule A.2 by a person knowledgeable in storm water management and familiar with the facility. The person(s) preparing the plan must be identified in the plan.
   b) The SWPCP must be signed in accordance with 40 CFR §122.22. Updates and revisions to the SWPCP must also be signed and certified pursuant to 40 CFR §122.22.
   c) The SWPCP must be prepared and implemented according to the time frames set forth in Schedule C.
   d) The SWPCP must be kept current and updated as necessary to reflect any changes in facility operation.
   e) The SWPCP and updates to the SWPCP must be submitted to the Department in accordance with Schedule B.3.
   f) A copy of the SWPCP must be kept at the facility and made available upon request to government agencies responsible for storm water management in the permittee's area.

2. **Storm Water Pollution Control Plan Requirements**
   a) **Site Description** The SWPCP must contain the following information:
      i) A description of the industrial activities conducted at the site. Include a description of the significant materials (see Schedule D.3, Definitions) that are stored, used, treated and/or disposed of in a manner that allows exposure to storm water. Also describe the methods of storage, usage, treatment and/or disposal.
      ii) A general location map showing the location of the site in relation to surrounding properties, transportation routes, surface waters and other relevant features.
      iii) A site map including the following:
         (1) drainage patterns
         (2) drainage and discharge structures
         (3) outline of the drainage area for each storm water outfall
         (4) paved areas and buildings within each drainage area
         (5) areas used for outdoor manufacturing, treatment, storage, and/or disposal of significant materials
         (6) existing structural control measures for reducing pollutants in storm water runoff
         (7) material loading and access areas
         (8) hazardous waste treatment, storage and disposal facilities
         (9) location of wells including waste injection wells, seepage pits, drywells, etc.
         (10) location of springs, wetlands and other surface water bodies.
      iv) Estimates of the amount of impervious surface area (including paved areas and building roofs) relative to the total area drained by each storm water outfall.
      v) For each area of the site where a reasonable potential exists for contributing pollutants to storm water runoff, identify the potential pollutants that could be present in storm water discharges.
      vi) The name(s) of the receiving water(s) for storm water drainage. If drainage is to a municipal storm sewer system, the name(s) of the ultimate receiving waters and the name of the municipality.
      vii) Identification of the discharge outfall(s) and the point(s) where storm water monitoring will occur as required by Schedule B. If multiple discharge outfalls exist but will not all be monitored (as allowed in Schedule B.1.c), a description supporting this approach must also be included.

b) **Site Controls** The permittee must maintain existing controls and/or develop new controls appropriate for the site. The purpose of these controls is to eliminate or minimize the exposure of pollutants to storm water. In developing a control strategy, the SWPCP must have the following minimum components. A description of each component must be included in the SWPCP.

i) *Storm Water Best Management Practices* If technically and economically feasible, the following best management practices must be employed at the site. A schedule for implementation of these practices must be included in the SWPCP if the practice has not already been accomplished. This schedule must be consistent with the requirements for developing and implementing the SWPCP in Schedule C of the permit.

(1) Containment - All hazardous substances (see Schedule D.3, Definitions) must be stored within berms or other secondary containment devices to prevent leaks and spills from contaminating storm water. If the use of berms or secondary containment devices is not possible, then hazardous substances must be stored in areas that do not drain to the storm sewer system.

(2) Oil and Grease - Oil/Water separators, booms, skimmers or other methods must be employed to eliminate or minimize oil and grease contamination of storm water discharges.

(3) Waste Chemicals and Material Disposal - Wastes must be recycled or properly disposed of in a manner to eliminate or minimize exposure of pollutants to storm water. All waste contained in bins or dumpsters where there is a potential for drainage of storm water through the waste must be covered to prevent exposure of storm water to these pollutants. Acceptable covers include, but are not limited to, storage of bins or dumpsters under roofed areas and use of lids or temporary covers such as tarps.

(4) Erosion and Sediment Control - Erosion control methods such as vegetating exposed areas, graveling or paving must be employed to minimize erosion of soil at the site. Sediment control methods such as detention facilities, sediment control fences, vegetated filter strips, bioswales, or grassy swales must be employed to minimize sediment loads in storm water discharges. For activities that involve land disturbance, the permittee must contact the local municipality to determine if there are other applicable requirements.

(5) Debris Control - Screens, booms, settling ponds, or other methods must be employed to eliminate or minimize debris in storm water discharges.

(6) Storm Water Diversion - Storm water must be diverted away from fueling, manufacturing, treatment, storage, and disposal areas to prevent exposure of uncontaminated storm water to potential pollutants.

(7) Covering Activities - Fueling, manufacturing, treatment, storage, and disposal areas must be covered to prevent exposure of storm water to potential pollutants. Acceptable covers include, but are not limited to, permanent structures such as roofs or buildings and temporary covers such as tarps.

(8) Housekeeping - Areas that may contribute pollutants to storm water must be kept clean. Sweeping, prompt clean up of spills and leaks, and proper maintenance of vehicles must be employed to eliminate or minimize exposure of storm water to pollutants.

ii) *Spill Prevention and Response Procedures* Methods to prevent spills along with clean-up and notification procedures must be included in the SWPCP. These methods and procedures must be made available to appropriate personnel. The required clean up

material must be on-site or readily available. Spills prevention plans required by other regulations may be substituted for this provision providing that storm water management concerns are adequately addressed.

iii) *Preventative Maintenance* A preventative maintenance program must be implemented to ensure the effective operation of all storm water best management practices. At a minimum the program must include:
   (1) Monthly inspections of areas where potential spills of significant materials or industrial activities could impact storm water runoff.
   (2) Monthly inspections of storm water control measures, structures, catch basins, and treatment facilities.
   (3) Cleaning, maintenance and/or repair of all materials handling and storage areas and all storm water control measures, structures, catch basins, and treatment facilities as needed upon discovery. Cleaning, maintenance, and repair of such systems must be performed in such a manner as to prevent the discharge of pollution.

iv) *Employee Education* An employee orientation and education program must be developed and maintained to inform personnel of the components and goals of the SWPCP. The program must also address spill response procedures and the necessity of good housekeeping practices. A schedule for employee education must be included in the SWPCP. The Department recommends this education and training occur at the time of an employee's hire and annually thereafter.

c) **Record Keeping and Internal Reporting Procedures** The following information must be recorded and maintained at the facility and provided to the Department and other government agencies upon request. This information does not need to be submitted as part of the SWPCP.
   i) Inspection, maintenance, repair and education activities as required by the SWPCP.
   ii) Spills or leaks of significant materials that impacted or had the potential to impact storm water or surface waters. Include the corrective actions to clean up the spill or leak as well as measures to prevent future problems of the same nature.

ADDITIONAL REQUIREMENTS

3. **Oregon Administrative Rule 340-041-0026(3)(a)(D), Surface Water Temperature Management Plan** Individual storm water discharges are not expected to cause a measurable increase in stream temperature because the storm water discharges mainly occur at a time of year when ambient stream and runoff temperatures are relatively low. Compliance with this permit meets the requirement of OAR 340-041-0026(3)(a)(D) to develop and implement a surface water temperature management plan. If permitted storm water discharges in a particular basin are assigned waste load allocations under a Total Maximum Daily Load for temperature, then permittees in this basin will be required to implement additional management practices to reduce the temperature of the discharges. These practices include, but are not limited to, increased vegetation to provide for shading, underground conveyance systems or detention vaults, and filter treatment systems to reduce detention times.

4. **Storm Water Only** This permit only regulates the discharge of storm water. It does not authorize the discharge or on-site disposal of process wastewater, wash water, boiler blowdown, cooling water, air conditioning condensate, deicing residues, or any other non-storm discharges associated with the facility. The Department recommends that piping and drainage systems for floor drains and other process wastewater discharge points be separated from the storm drainage system to prevent inadvertent discharge of pollutants to waters of the state.

Any other wastewater discharge or disposal must be permitted in a separate permit. A separate Department permit may not be required if the wastewater is reused or recycled without discharge or disposal, or discharged to the sanitary sewer with approval from the local sanitary authority.

5. **Water Quality Limited Streams** - If Total Maximum Daily Loads are established and the discharge from a permitted source is assigned a waste load allocation, application for an individual or different general permit or other appropriate tools may be required to address the allocation.

6. **Water Quality Standards** The ultimate goal for permittees is to comply with water quality standards in OAR 340-041. In instances where a storm water discharge adversely impacts water quality, the Department may require the facility to implement additional management practices, apply for an individual permit, or take other appropriate action.

CODE OF FEDERAL REGULATION STORM WATER DISCHARGE LIMITATIONS

7. The permittee with the following activities must be in compliance with the applicable limitations at the time of permit assignment:

CFR Industry		Parameter	Limitation	
Category	Subcategory			
Cement manufacturing (40 CFR §411)	Materials storage piles runoff	pH	6.0 - 9.0 SU	
		Total Suspended Solids (TSS)	50 mg/l	
Steam powered electric power generating (40 CFR §423)	Coal pile runoff	TSS	50 mg/l, Daily Maximum	
Paving and roofing materials (tars and asphalt) (40 CFR §443)	Runoff from manufacturing of asphalt paving or roofing emulsion	Oil & Grease	20 mg/l, Daily Maximum	15 mg/l, 30 Day Average
		pH	6.0 - 9.0 SU	

STORM WATER DISCHARGE BENCHMARKS

8. **Benchmarks** Benchmarks are guideline concentrations not limitations. They are designed to assist the permittee in determining if the implementation of their SWPCP is reducing pollutant concentrations to below levels of concern. For facilities that are subject to federal limitations, benchmarks apply to only those pollutants that are not limited by the federal regulations. The following benchmarks apply to each point source discharge of storm water associated with industrial activity:

Parameter	Benchmark
Total Copper	0.1 mg/l
Total Lead	0.4 mg/l
Total Zinc	0.6 mg/l
pH	5.5 – 9.0 SU
Total Suspended Solids	130 mg/l
Total Oil & Grease	10 mg/l
E. coli**	406 counts/100 ml
Floating Solids (associated with industrial activities)	No Visible Discharge
Oil & Grease Sheen	No Visible Sheen

** The benchmark for E. coli applies only to landfills, if septage and sewage biosolids are disposed at the site, and sewage treatment plants.

9. **Review of SWPCP** If benchmarks are not achieved, the permittee must investigate the source of the elevated pollutant levels and review and, if necessary, revise the SWPCP within 60 days of receiving sampling results. The purpose of this review is to determine if the SWPCP is being followed and to identify any additional technically and economically feasible site controls that need to be implemented to further improve the quality of storm water discharges. These site controls include best management practices, spill prevention and response procedures, preventative maintenance, and employee education procedures as described in Schedule A.2.b.

   a) **SWPCP Revision** Any newly identified site controls must be implemented in a timely manner and incorporated into the SWPCP as an update. A new SWPCP is not required. If no additional site controls are identified, the permittee must state as such in an update to the SWPCP.

   b) **SWPCP Revision Submittal** Results of this review must be submitted to the Department in accordance with Schedule B.3 and made available upon request to government agencies responsible for storm water management in the permittee's area.

   c) **Background or Natural Conditions** If the permittee demonstrates that background or natural conditions not associated with industrial activities at the site cause an exceedance of a benchmark, then no further modifications to the SWPCP are required for that parameter. Upon successful demonstration of natural or background conditions through monitoring of the same storm event used to evaluate benchmarks the permittee would be eligible for the monitoring reduction as outlined in Schedule B.2.

SCHEDULE B
MONITORING AND REPORTING REQUIREMENTS

1. **Minimum Monitoring Requirements**
   a) All permittees must monitor storm water associated with industrial activity for the following:

GRAB SAMPLES OF STORM WATER	
Parameter*	**Frequency**
Total Copper	Twice per Year
Total Lead	Twice per Year
Total Zinc	Twice per Year
pH	Twice per Year
Total Suspended Solids	Twice per Year
Total Oil & Grease	Twice per Year
E. coli**	Twice per Year

* Parameters should be analyzed on samples collected from the same storm event.

** The monitoring for E. coli applies only to landfills, if septage and sewage biosolids are disposed at the site, and sewage treatment plants.

VISUAL MONITORING OF STORM WATER	
Parameter	**Frequency**
Floating Solids (associated with industrial activities)	Once a Month (when discharging)
Oil & Grease Sheen	Once a Month (when discharging)

   b) **Grab Samples** Grab samples that are representative of the discharge must be taken at least 60 days apart. It is preferred, but not required, that one sample be collected in the fall and one in the spring. Compositing of samples from different drainage areas is not allowed.

   c) **Multiple Point Source Discharges** The permittee may reduce the number of storm water monitoring points provided the outfalls have substantially identical effluents. Substantially identical effluents are discharges from drainage areas serving similar activities where the discharges are expected to be similar in composition. Outfalls serving areas with no exposure of storm water to industrial activities are not required to be monitored.

   d) **Monitoring Location** All samples must be taken at monitoring points specified in the SWPCP before the storm water joins or is diluted by any other wastestream, body of water or substance unless otherwise approved in writing by the Department.

2. **Monitoring Reduction**
   a) **Visual Observations** There is no reduction allowed of the required visual observations.

   b) **Grab Samples** The permittee is not required to conduct sampling if the benchmarks specified in Schedule A.8 are met, or if the exceedance is due to natural or background conditions for at least four consecutive storm water monitoring events conducted by the permittee over 24 continuous months. Note that there is no reduction in monitoring allowed for facilities subject to limitations under CFR (Schedule A.7).
      i) Results from sampling events cannot be averaged to meet the benchmarks.
      ii) Monitoring waivers may be allowed for individual parameters.

iii) Parameters in exceedance or not previously sampled must be monitored as required in Schedule B.1 until the monitoring waiver condition above is met.
iv) Monitoring data from the previous permit period may be used to meet the waiver requirement. This data must be evaluated against the benchmarks specified in this permit.
v) Monitoring data from the same storm event must be used to demonstrate that background or natural conditions not associated with industrial activities at the site are contributing to the exceedance of a benchmark.
vi) The permittee must submit written notification to the Department when exercising the monitoring waiver condition (refer to Schedule B.3.b).

c) **Reinstatement of Monitoring Requirements**
i) The permittee must conduct monitoring as specified in Schedule B.1 if changes to site conditions are expected to affect storm water discharge characteristics.
ii) The Department may reinstate monitoring requirements as specified in Schedule B.1 if prior monitoring efforts were improper or results were incorrect. The Department will notify the permittee of reinstatement in writing.
iii) Monitoring may also be reinstated if future sampling efforts by the permittee or the Department indicate benchmarks are being exceeded.
iv) If no monitoring was performed during the previous permit period, the permittee must reinitiate monitoring as specified in Schedule B.1 to qualify for the monitoring reduction allowed in Schedule B.2.

3. **Reporting Requirements** The permittee must submit the following to the appropriate DEQ regional office (DEQ will provide regional office information when the permittee is notified that permit coverage has been obtained):

a) **Monitoring Data** The permittee must submit by July 15 of each year grab sampling and visual monitoring data for the previous monitoring period (July 1- June 30). If there was insufficient rainfall to collect samples, the permittee must notify the Department by July 15 of each year. The permittee must also report the minimum detection levels and analytical methods for the parameters analyzed.

b) **Monitoring Reduction Notification** The permittee must submit written notification when exercising the monitoring reduction condition in Schedule B.2.b.

c) **Initial Completion or Update of SWPCP** The permittee must prepare or update the SWPCP in accordance with Schedule C of the permit. The permittee must submit an updated or completed SWPCP within 14 days after completion.

d) **SWPCP Revision (when benchmarks are exceeded)** The permittee must submit any revisions to the SWPCP required by Schedule A.9 within 14 days after the SWPCP is revised. If the Department does not review and comment on the revised SWPCP within 30 days, the permittee must implement the revisions as proposed. The permittee may proceed immediately with implementation of the following management practices as described in Schedule A.2.b without waiting for Department comment: waste chemical and materials disposal, debris control, storm water diversion, covering activities, housekeeping, and preventative maintenance.

SCHEDULE C
COMPLIANCE CONDITIONS AND SCHEDULES

1. **Existing Permittee** (for a facility with an NPDES storm water discharge permit assigned prior to June 30,2002):

   a) Not later than 90 days after receiving this permit, the existing permittee must revise and begin implementation of the SWPCP to meet any new permit requirements.

   b) Except for site controls that require capital improvements (see Schedule D.3, Definitions), the SWPCP must be implemented within 90 days after revision of SWPCP. Site control activities that require capital improvements must be completed in accordance with the schedule set forth in the SWPCP.

2. **New Permittee with Existing Facility** (for a facility operating prior to June 30, 2002, without an NPDES storm water discharge permit):

   a) Not later than 90 days after receiving this permit, the new permittee must prepare and begin implementation of the SWPCP.

   b) Except for site controls that require capital improvements (see Schedule D.3, Definitions), the SWPCP must be implemented within 90 days after completion of SWPCP. Site control activities that require capital improvements must be completed in accordance with the schedule set forth in the SWPCP.

3. **New Permittee with New Facility** (for a facility beginning operation after June 30, 2002):

   a) Prior to starting operations, a new permittee must prepare and begin implementation of the SWPCP.

   b) Except for site controls that require capital improvements (see Schedule D.3, Definitions), the SWPCP must be implemented within 90 days after beginning operation. Site control activities that require capital improvements must be completed in accordance with the schedule set forth in the SWPCP.

4. **New Permittee Discharging to Clackamas River, McKenzie River above Hayden Bridge (River Mile 15) or North Santiam River.** Not later than 180 days after receiving this permit, new permittees discharging to Clackamas River, McKenzie River above Hayden Bridge (river mile 15) or North Santiam River must submit to the Department a monitoring and water quality evaluation program. This program must be effective in evaluating the in-stream impacts of the discharge as required by OAR 340-041-0470. Within 30 days after Department approval, the permittee must implement the monitoring and water quality evaluation program. For the purpose of this condition, new permittees include potential or existing dischargers that did not have a permit prior to January 28, 1994, and existing dischargers that have a permit but request an increased load limitation.

SCHEDULE D
SPECIAL CONDITIONS

1. **Releases in Excess of Reportable Quantities.** This permit does not relieve the permittee of the reporting requirements of 40 CFR §117 Determination of Reportable Quantities for Hazardous Substances and 40 CFR §302 Designation, Reportable Quantities, and Notification.

2. **Availability of SWPCP and Monitoring Data.** The Storm Water Pollution Control Plan and/or storm water monitoring data must be made available to government agencies responsible for storm water management in the permittee's area.

3. **Definitions**

   a) *Capital Improvements* means the following improvements that require capital expenditures:
      i) Treatment best management practices including but not limited to settling basins, oil/water separation equipment, catch basins, grassy swales, detention/retention basins, and media filtration devices.
      ii) Manufacturing modifications that incur capital expenditures, including process changes for reduction of pollutants or wastes at the source.
      iii) Concrete pads, dikes and conveyance or pumping systems utilized for collection and transfer of storm water to treatment systems.
      iv) Roofs and appropriate covers for manufacturing areas.

   b) *Hazardous Substances* as defined in 40 CFR §302 Designation, Reportable Quantities, and Notification.

   c) *Material Handling Activities* include the storage, loading and unloading, transportation or conveyance of raw material, intermediate product, finished product, by-product or waste product.

   d) *Point Source* means a discharge from any discernible, confined, and discrete conveyance, including but not limited to, any pipe, ditch, channel, tunnel, or conduit.

   e) *Significant Materials* includes, but is not limited to: raw materials; fuels; materials such as solvents, detergents, and plastic pellets; finished materials such as metallic products; raw materials used in food processing or production; hazardous substances designated under section 101(14) of CERCLA; any chemical that a facility is required to report pursuant to section 313 of title III of SARA; fertilizers; pesticides; and waste products such as ash, slag, and sludge that have the potential to be released with storm water discharges.

4. **Local Public Agencies Acting as the Department's Agent**
   The Department authorizes local public agencies to act as its Agent in implementing this permit. The Department's Agent may be authorized to conduct the following activities, including but not limited to: application review and approval, inspections, monitoring data review, storm water and wastewater monitoring, SWPCP review, and verification and approval of no-exposure certifications. Where the Department has entered into such an agreement, the Department or its Agent will notify the permittee of where to submit monitoring data, SWPCPs, no-exposure certifications, and other notifications or correspondence associated with this permit.

SCHEDULE F
NPDES GENERAL CONDITIONS

SECTION A. STANDARD CONDITIONS

1. Duty to Comply
The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of Oregon Revised Statutes (ORS) 468B.025 and is grounds for enforcement action; for permit termination, suspension, or modification; or for denial of a permit renewal application.

2. Penalties for Water Pollution and Permit Condition Violations
Oregon Law (ORS 468.140) allows the Director to impose civil penalties up to $10,000 per day for violation of a term, condition, or requirement of a permit.

Under ORS 468.943, unlawful water pollution, if committed by a person with criminal negligence, is punishable by a fine of up to $25,000 or by imprisonment for not more than one year, or by both. Each day on which a violation occurs or continues is a separately punishable offense.

Under ORS 468.946, a person who knowingly discharges, places or causes to be placed any waste into the waters of the state or in a location where the waste is likely to escape into the waters of the state, is subject to a Class B felony punishable by a fine not to exceed $200,000 and up to 10 years in prison.

3. Duty to Mitigate
The permittee must take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment. In addition, upon request of the Department, the permittee must correct any adverse impact on the environment or human health resulting from noncompliance with this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.

4. Duty to Reapply
If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply to have the permit renewed. The application must be submitted at least 180 days before the expiration date of this permit.

The Director may grant permission to submit an application less than 180 days in advance but no later than the permit expiration date.

5. Permit Actions
This permit may be modified, suspended, revoked and reissued, or terminated for cause including, but not limited to, the following:

a. Violation of any term, condition, or requirement of this permit, a rule, or a statute;
b. Obtaining this permit by misrepresentation or failure to disclose fully all material facts; or
c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.
d. The permittee shall pay the fees required to be filed with this permit application and to be paid annually for permit compliance determination as outlined in the Oregon Administrative Rules, Chapter 340, Division 045.

The filing of a request by the permittee for a permit modification or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

6. Toxic Pollutants
The permittee must comply with any applicable effluent standards or prohibitions established under Section 307(a) of the Clean Water Act for toxic pollutants within the time provided in the regulations that establish those standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement.

7. Property Rights
The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.

8. Permit References
Except for effluent standards or prohibitions established under Section 307(a) of the Clean Water Act for toxic pollutants and standards for sewage sludge use or disposal established under Section 405(d) of the Clean Water Act, all rules and statutes referred to in this permit are those in effect on the date this permit is issued.

SECTION B. OPERATION AND MAINTENANCE OF POLLUTION CONTROLS

1. Proper Operation and Maintenance
The permittee must at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls, and appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit.

2. Duty to Halt or Reduce Activity
For industrial or commercial facilities, upon reduction, loss, or failure of the treatment facility, the permittee must, to the extent necessary to maintain compliance with its permit, control production or all discharges or both until the facility is restored or an alternative method of treatment is provided. This requirement applies, for example, when the primary source of power of the treatment facility fails or is reduced or lost. It is not a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

3. Bypass of Treatment Facilities
   a. Definitions
      (1) "Bypass" means intentional diversion of waste streams from any portion of the treatment facility. The term "bypass" does not include nonuse of singular or multiple units or processes of a treatment works when the nonuse is insignificant to the quality and/or quantity of the effluent produced by the treatment works. The term "bypass" does not apply if the diversion does not cause effluent limitations to be exceeded, provided the diversion is to allow essential maintenance to assure efficient operation.
      (2) "Severe property damage" means substantial physical damage to property, damage to the treatment facilities or treatment processes which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

   b. Prohibition of bypass.
      (1) Bypass is prohibited unless:
         (a) Bypass was necessary to prevent loss of life, personal injury, or severe property damage;
         (b) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate backup equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventative maintenance; and
         (c) The permittee submitted notices and requests as required under General Condition B.3.c.
      (2) The Director may approve an anticipated bypass, after considering its adverse effects and any alternatives to bypassing, when the Director determines that it will meet the three conditions listed above in General Condition B.3.b.(1).

   c. Notice and request for bypass.
      (1) Anticipated bypass. If the permittee knows in advance of the need for a bypass, it must submit prior written notice, if possible at least ten days before the date of the bypass.
      (2) Unanticipated bypass. The permittee must submit notice of an unanticipated bypass as required in General Condition D.5.

4. Upset
   a. Definition. "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operation error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventative maintenance, or careless or improper operation.

b. Effect of an upset. An upset constitutes an affirmative defense to an action brought for noncompliance with such technology based permit effluent limitations if the requirements of General Condition B.4.c are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review.

c. Conditions necessary for a demonstration of upset. A permittee who wishes to establish the affirmative defense of upset must demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:
   (1) An upset occurred and that the permittee can identify the causes(s) of the upset;
   (2) The permitted facility was at the time being properly operated;
   (3) The permittee submitted notice of the upset as required in General Condition D.5, hereof (24-hour notice); and
   (4) The permittee complied with any remedial measures required under General Condition A.3 hereof.

d. Burden of proof. In any enforcement proceeding the permittee seeking to establish the occurrence of an upset has the burden of proof.

5. Treatment of Single Operational Event
For purposes of this permit, A Single Operational Event which leads to simultaneous violations of more than one pollutant parameter must be treated as a single violation. A single operational event is an exceptional incident which causes simultaneous, unintentional, unknowing (not the result of a knowing act or omission), temporary noncompliance with more than one Clean Water Act effluent discharge pollutant parameter. A single operational event does not include Clean Water Act violations involving discharge without a NPDES permit or noncompliance to the extent caused by improperly designed or inadequate treatment facilities. Each day of a single operational event is a violation.

6. Overflows from Wastewater Conveyance Systems and Associated Pump Stations
   a. Definitions
      (1) "Overflow" means the diversion and discharge of waste streams from any portion of the wastewater conveyance system including pump stations, through a designed overflow device or structure, other than discharges to the wastewater treatment facility.
      (2) "Severe property damage" means substantial physical damage to property, damage to the conveyance system or pump station which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of an overflow.
      (3) "Uncontrolled overflow" means the diversion of waste streams other than through a designed overflow device or structure, for example to overflowing manholes or overflowing into residences, commercial establishments, or industries that may be connected to a conveyance system.

   b. Prohibition of overflows. Overflows are prohibited unless:
      (1) Overflows were unavoidable to prevent an uncontrolled overflow, loss of life, personal injury, or severe property damage;
      (2) There were no feasible alternatives to the overflows, such as the use of auxiliary pumping or conveyance systems, or maximization of conveyance system storage; and
      (3) The overflows are the result of an upset as defined in General Condition B.4. and meeting all requirements of this condition.

   c. Uncontrolled overflows are prohibited where wastewater is likely to escape or be carried into the waters of the State by any means.

   d. Reporting required. Unless otherwise specified in writing by the Department, all overflows and uncontrolled overflows must be reported orally to the Department within 24 hours from the time the permittee becomes aware of the overflow. Reporting procedures are described in more detail in General Condition D.5.

7. Public Notification of Effluent Violation or Overflow
If effluent limitations specified in this permit are exceeded or an overflow occurs, upon request by the Department, the permittee must take such steps as are necessary to alert the public about the extent and nature of the discharge. Such steps may include, but are not limited to, posting of the river at access points and other places, news releases, and paid announcements on radio and television.

8. Removed Substances
Solids, sludges, filter backwash, or other pollutants removed in the course of treatment or control of wastewaters must be disposed of in such a manner as to prevent any pollutant from such materials from entering public waters, causing nuisance conditions, or creating a public health hazard.

SECTION C. MONITORING AND RECORDS

1. Representative Sampling
Sampling and measurements taken as required herein must be representative of the volume and nature of the monitored discharge. All samples must be taken at the monitoring points specified in this permit and must be taken, unless otherwise specified, before the effluent joins or is diluted by any other waste stream, body of water, or substance. Monitoring points must not be changed without notification to and the approval of the Director.

2. Flow Measurements
Appropriate flow measurement devices and methods consistent with accepted scientific practices must be selected and used to ensure the accuracy and reliability of measurements of the volume of monitored discharges. The devices must be installed, calibrated and maintained to insure that the accuracy of the measurements is consistent with the accepted capability of that type of device. Devices selected must be capable of measuring flows with a maximum deviation of less than ± 10 percent from true discharge rates throughout the range of expected discharge volumes.

3. Monitoring Procedures
Monitoring must be conducted according to test procedures approved under 40 CFR §136, unless other test procedures have been specified in this permit.

4. Penalties of Tampering
The Clean Water Act provides that any person who falsifies, tampers with, or knowingly renders inaccurate, any monitoring device or method required to be maintained under this permit must, upon conviction, be punished by a fine of not more than $10,000 per violation, or by imprisonment for not more than two years, or by both. If a conviction of a person is for a violation committed after a first conviction of such person, punishment is a fine not more than $20,000 per day of violation, or by imprisonment of not more than four years or both.

5. Reporting of Monitoring Results
Monitoring results must be summarized each month on a Discharge Monitoring Report form approved by the Department. The reports must be submitted monthly and are to be mailed, delivered or otherwise transmitted by the 15th day of the following month unless specifically approved otherwise in Schedule B of this permit.

6. Additional Monitoring by the Permittee
If the permittee monitors any pollutant more frequently than required by this permit, using test procedures approved under 40 CFR §136 or as specified in this permit, the results of this monitoring must be included in the calculation and reporting of the data submitted in the Discharge Monitoring Report. Such increased frequency must also be indicated. For a pollutant parameter that may be sampled more than once per day (e.g., Total Chlorine Residual), only the average daily value must be recorded unless otherwise specified in this permit.

7. Averaging of Measurements
Calculations for all limitations which require averaging of measurements must utilize an arithmetic mean, except for bacteria which must be averaged as specified in this permit.

8. Retention of Records
Except for records of monitoring information required by this permit related to the permittee's sewage sludge use and disposal activities, which must be retained for a period of at least five years (or longer as required by 40 CFR §503), the permittee must retain records of all monitoring information, including all calibration and maintenance records of all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least 3 years from the date of the sample, measurement, report or application. This period may be extended by request of the Director at any time.

9. Records Contents

Records of monitoring information must include:
a. The date, exact place, time and methods of sampling or measurements;
b. The individual(s) who performed the sampling or measurements;
c. The date(s) analyses were performed;
d. The individual(s) who performed the analyses;
e. The analytical techniques or methods used; and
f. The results of such analyses.

10. Inspection and Entry
The permittee must allow the Director, or an authorized representative upon the presentation of credentials to:
a. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit, and
d. Sample or monitor at reasonable times, for the purpose of assuring permit compliance or as otherwise authorized by state law, any substances or parameters at any location.

SECTION D. REPORTING REQUIREMENTS

1. Planned Changes
The permittee must comply with Oregon Administrative Rules (OAR) 340, Division 052, "Review of Plans and Specifications". Except where exempted under OAR 340-052, no construction, installation, or modification involving disposal systems, treatment works, sewerage systems, or common sewers must be commenced until the plans and specifications are submitted to and approved by the Department. The permittee must give notice to the Department as soon as possible of any planned physical alternations or additions to the permitted facility.

2. Anticipated Noncompliance
The permittee must give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

3. Transfers
This permit may be transferred to a new permittee provided the transferee acquires a property interest in the permitted activity and agrees in writing to fully comply with all the terms and conditions of the permit and the rules of the Commission. No permit must be transferred to a third party without prior written approval from the Director. The permittee must notify the Department when a transfer of property interest takes place.

4. Compliance Schedule
Reports of compliance or noncompliance with, or any progress reports on interim and final requirements contained in any compliance schedule of this permit must be submitted no later than 14 days following each schedule date. Any reports of noncompliance must include the cause of noncompliance, any remedial actions taken, and the probability of meeting the next scheduled requirements.

5. Twenty-Four Hour Reporting
The permittee must report any noncompliance which may endanger health or the environment. Any information must be provided orally (by telephone) within 24 hours, unless otherwise specified in this permit, from the time the permittee becomes aware of the circumstances. During normal business hours, the Department's Regional office must be called. Outside of normal business hours, the Department must be contacted at 1-800-452-0311 (Oregon Emergency Response System).

A written submission must also be provided within 5 days of the time the permittee becomes aware of the circumstances. If the permittee is establishing an affirmative defense of upset or bypass to any offense under ORS 468.922 to 468.946, and in which case if the original reporting notice was oral, delivered written notice must be made to the Department or other agency with regulatory jurisdiction within 4 (four) calendar days. The written submission must contain:
a. A description of the noncompliance and its cause;
b. The period of noncompliance, including exact dates and times;
c. The estimated time noncompliance is expected to continue if it has not been corrected;
d. Steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance; and

e. Public notification steps taken, pursuant to General Condition B.7.

The following must be included as information which must be reported within 24 hours under this paragraph:
a. Any unanticipated bypass which exceeds any effluent limitation in this permit.
b. Any upset which exceeds any effluent limitation in this permit.
c. Violation of maximum daily discharge limitation for any of the pollutants listed by the Director in this permit.

The Department may waive the written report on a case-by-case basis if the oral report has been received within 24 hours.

6. Other Noncompliance
The permittee must report all instances of noncompliance not reported under General Condition D.4 or D.5, at the time monitoring reports are submitted. The reports must contain:
a. A description of the noncompliance and its cause;
b. The period of noncompliance, including exact dates and times;
c. The estimated time noncompliance is expected to continue if it has not been corrected; and
d. Steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.

7. Duty to Provide Information
The permittee must furnish to the Department, within a reasonable time, any information which the Department may request to determine compliance with this permit. The permittee must also furnish to the Department, upon request, copies of records required to be kept by this permit.

Other Information: When the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or any report to the Department, it must promptly submit such facts or information.

8. Signatory Requirements
All applications, reports or information submitted to the Department must be signed and certified in accordance with 40 CFR §122.22.

9. Falsification of Reports
Under ORS 468.953, any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance, is subject to a Class C felony punishable by a fine not to exceed $100,000 per violation and up to 5 years in prison.

10. Changes to Indirect Dischargers - **[Applicable to Publicly Owned Treatment Works (POTW) only]**
The permittee must provide adequate notice to the Department of the following:
a. Any new introduction of pollutants into the POTW from an indirect discharger which would be subject to section 301 or 306 of the Clean Water Act if it were directly discharging those pollutants and;
b. Any substantial change in the volume or character of pollutants being introduced into the POTW by a source introducing pollutants into the POTW at the time of issuance of the permit.
c. For the purposes of this paragraph, adequate notice must include information on (i) the quality and quantity of effluent introduced into the POTW, and (ii) any anticipated impact of the change on the quantity or quality of effluent to be discharged from the POTW.

11. Changes to Discharges of Toxic Pollutant - **[Applicable to existing manufacturing, commercial, mining, and silvicultural dischargers only]**
The permittee must notify the Department as soon as they know or have reason to believe of the following:

a. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels:
(1) One hundred micrograms per liter (100 µg/l);
(2) Two hundred micrograms per liter (200 µg/l) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/l) for 2,4-dinitrophenol and for 2-methyl-4,6-dinitrophenol; and one milligram per liter (1 mg/l) for antimony;
(3) Five (5) times the maximum concentration value reported for that pollutant in the permit application in accordance with 40 CFR §122.21(g)(7); or
(4) The level established by the Department in accordance with 40 CFR §122.44(f).

b. That any activity has occurred or will occur which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
   (1) Five hundred micrograms per liter (500 µg/l);
   (2) One milligram per liter (1 mg/l) for antimony;
   (3) Ten (10) times the maximum concentration value reported for that pollutant in the permit application in accordance with 40 CFR §122.21(g)(7); or
   (4) The level established by the Department in accordance with 40 CFR §122.44(f).

SECTION E. DEFINITIONS

1. BOD means five-day biochemical oxygen demand.
2. TSS means total suspended solids.
3. mg/l means milligrams per liter.
4. kg means kilograms.
5. m^3/d means cubic meters per day.
6. MGD means million gallons per day.
7. Composite sample means a sample formed by collecting and mixing discrete samples taken periodically and based on time or flow.
8. FC means fecal coliform bacteria.
9. Technology based permit effluent limitations means technology-based treatment requirements as defined in 40 CFR §125.3, and concentration and mass load effluent limitations that are based on minimum design criteria specified in OAR 340-041.
10. CBOD means five day carbonaceous biochemical oxygen demand.
11. Grab sample means an individual discrete sample collected over a period of time not to exceed 15 minutes.
12. Quarter means January through March, April through June, July through September, or October through December.
13. Month means calendar month.
14. Week means a calendar week of Sunday through Saturday.
15. Total residual chlorine means combined chlorine forms plus free residual chlorine.
16. The term "bacteria" includes but is not limited to fecal coliform bacteria, total coliform bacteria, and E. coli bacteria.
17. POTW means a publicly owned treatment works.

APPENDIX B

SWPCP REVIEW AND REVISION DOCUMENTATION FORM

SWPCP REVIEW AND REVISION DOCUMENTATION FORM

This Stormwater Pollution Control Plan (SWPCP) will be revised and updated as necessary to include modifications of site conditions, new or revised regulatory requirements, and additional on-site stormwater pollution controls. It shall be modified whenever there is a change in design, construction, operation, or maintenance that causes the Plan to be less effective in controlling the pollutants.

All revisions to the SWPCP should be documented and should be included in the original report as Appendix B, Plan Review and Revision Documentation Form. The Plan Review and Revision Documentation Form should be used to record the date, author, name, and signature of the facility representative that authorized the revision. The authorized facility representative should be an individual at or near the top of the facility's management organization, such as the facility manager or environmental manager. The signature of the authorized facility representative attests that the revision information is true and accurate. Previous authors are not responsible for the new revisions.

Plan Review and Revision Documentation Form

Revision Number	Revision Date	Revision Author	Facility Representative's Signature
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			

APPENDIX C

VISUAL MONITORING LOG

Visual Monitoring Log
Ash Grove Cement
NPDES Permit File No. 107213

Monitoring Location:_____

Month	Monitoring Date	Oil and Grease Sheen Present? (Yes/No)	Color or Floating Solids Present? (Yes/No)	Action Taken	Sampler's Initials
July					
August					
September					
October					
November					
December					
January					
February					
March					
April					
May					
June					
For months when no discharges occur, write in "No Discharge" for that month.					

Signature Requirement

I certify, under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Signature of Responsible Official:_____

Name and Title (Please Print):_____

Date of Signature:_____**Telephone:**_____

APPENDIX D

SPILL INCIDENT REPORT FORM AND EMERGENCY CONTACTS

EMERGENCY RESPONSE CONTACT LIST

The following space is a list of names and telephone numbers of those persons and agencies whose services may be required in the event of a release of significant material.

SWPCP Implementor and Back-up

John Hone, Terminal Manager	Office: (503) 285-4621	Cell: ((b) (6)
Glenn Dollar, Environmental Health and Safety Manager	Office: (503) 286-1677	

Health and Safety

Fire Department	Emergency: 911
Police Department	Emergency: 911
Local Rescue Unit	Emergency: 911
Good Samaritan Hospital	Emergency: (503) 686-6931

Environmental Agencies

DEQ Portland Main Office	(800)452-4011
DEQ Northwest Regional Office	(503) 229-5263
Oregon Emergency Response System	In Oregon: (800) 452-0311 Outside Oregon: (503) 378-6377

Hazardous Materials Spills

To report spills of reportable quantities (RQs) of oil or hazardous materials:

National Response Center (NRC): (800) 424-8802

SPILL INCIDENT REPORT FORM

A Spill Incident Report shall be completed following each spill or leak of significant materials which could impact storm water runoff.

Date of Incident _____ Time of Incident _____

Location of Release _____

Description of Materials _____

_____

Approximate quantity of material _____

Is substance Hazardous? _____

Was DEQ notified? _____

Did spill or leak impact storm water? _____

Weather conditions_____

Describe the incident including the cause, response procedures, methods used to contain the spill, and practices which could prevent similar incidents.

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____ _____

Signature of Plan Implementor Date

APPENDIX E

MONTHLY STORM WATER INSPECTION LOG

MONTHLY STORM WATER INSPECTION LOG

Ash Grove's SWPCP Plan Implementor shall sign and date the inspection log upon completion of monthly inspections and maintenance on the storm water controls identified below:

Containment

- The 500-gallon diesel AST and fueling area containment shall be inspected for leaks, cracks, and general operating condition. Repairs and maintenance shall be performed as required. Absorbent material and oil booms should be present near the fueling area

- The garage shall be inspected, maintained, cleaned, and secured. All drip pans, drums, and tanks shall be inspected. Leaks and spills shall be removed and properly disposed, cleaned, and replaced.

- Any spill shall be recorded on the Spill Incident Report Form.

Waste Chemcials and Material Disposal

- Used absorbent materials used in cleanup shall be disposed in an approved manner. Waste petroleum products and coolants collected from throughout the site shall be consolidated for recycling and disposed as required in an approved manner.

Debris, Sediment, and Oil Controls

- All rain gutters and downspouts shall be kept free of debris and sediment.

- All paved surfaces, catch basins, outfalls, manhole, vault and drainage pipes shall be kept free of debris and sediment.

- The pneumatic system shall be inspected, cleaned, maintained, and secured as required. All cement and alumina residue shall be returned to the cleanup drums in the rail load-out building.

Covering Activities

- Wherever practical, materials shall be stored under covered areas to prevent contact with storm water.
- Collect and consolidate miscellaneous waste products from throughout the site and store under cover in the rail load-out building.

Monthly Storm Water Inspection Log

Date Inspected:_____ Signature _____

Spill Kits All present and properly stocked [ ] (yes/no)

Containment

Equipment Fueling Area (500-gallon diesel AST) clean, with no appreciable staining or noticeable spillage?	[ ]	(yes/no)
Garage and Oil Storage Area clean, with no appreciable staining or noticeable spillage?	[ ]	(yes/no)
Availability of drip pans	[ ]	(adequate/not adequate)
Absorbent Materials	[ ]	(adequate/not adequate)

Debris, Sediment, and Oil Controls

Rail Loadout Building downspouts (north terminal) connected property and free of obstruction?	[ ]	(yes/no)
Garage downspouts (north terminal) connected property and free of obstruction?	[ ]	(yes/no)
Administration Office and Shop downspouts (north terminal) connected property and free of obstruction?	[ ]	(yes/no)
Boat House downspouts connected property and free of obstruction?	[ ]	(yes/no)
Offices and Lab downspouts (south terminal) connected property and free of obstruction?	[ ]	(yes/no)
Shop downspouts (south terminal) connected property and free of obstruction?	[ ]	(yes/no)
Rail Loadout Building trench drains and catch basin clean and free of debris?	[ ]	(yes/no), if no indicate problem areas and date maintained below
Catch Basins Between tracks south of loadout building clean and free of debris?	[ ]	(yes/no), if no indicate problem areas and date maintained below
Four Catch Basins along road surface east of silos clean and free of debris?	[ ]	(yes/no), if no indicate problem areas and date maintained below
Manhole and vault clean and free of debris?	[ ]	(yes/no), if no indicate problem areas and date maintained below
Parking Lot and Road Surfaces - any excessive debris present?	[ ]	(yes/no), if yes indicate problem areas and date maintained below
Vegetated Areas - any excessive erosion present?	[ ]	(yes/no), if yes indicate problem areas and date maintained below

Covering Activities

Pneumatic System and conveyors are clean and properly operating?	[ ]	(yes/no), if no indicate problem areas and date maintained below

Notes and Miscellaneous observations:

[ ]

APPENDIX F

EMPLOYEE TRAINING DOCUMENTATION

APPENDIX F
EMPLOYEE TRAINING FORM

Ash Grove shall provide training for all personnel regarding the SWPCP using any medium or forum appropriate for such education. The following topics are to be included with any program addressing storm water regulations. Signature below indicates that policies and procedures related to the listed topic are understood.

Topic	Date Covered	Signature
Goals and Purpose of the Plan	_____	_____

- Prevent contamination of storm water discharge into waters.

  Comments: _____

  _____

  _____

- Promote cleaner and safer industrial activities

  Comments: _____

  _____

  _____

Materials Management Practices	_____	_____

- Spill Prevention and Response Procedures

  Comments: _____

  _____

  _____

- Preventive maintenance

  Comments: _____

  _____

  _____

Storm Water Management	_____	_____

- Containment, oil and grease separation, sediment control, chemical waste disposal, and storm water diversion.

  Comments: _____

  _____

SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN FOR ASH GROVE CEMENT COMPANY

3737 N. Port Center Way
Portland, Oregon 97217

Designated person accountable for spill prevention:
John Hone
Terminal Manager
(503) 285-4621 (office)
(b) (6) (cell)

CERTIFICATION

MANAGEMENT APPROVAL

Ash Grove Cement Company is committed to the prevention of discharges of oil to navigable waters and the environment, and maintains the highest standards for spill prevention control and countermeasures through regular review, updating and implementation of this Spill Prevention Control and Counter Measure Plan. This Spill Prevention Control and Countermeasure Plan will be implemented as described herein.

Signature: _____ Date: _____

Name: Gary Wright

Title: Operations Manager

CERTIFICATION

I hereby certify that I am familiar with the provisions of 40 CFR Part 112, and attest that this SPCC Plan has been prepared in accordance with good engineering practices.

Engineer: Mark S. Erickson

Signature:

Registration Number: 74664PE

State: Oregon

Date: 6/23/06

Seal

REGISTERED PROFESSIONAL ENGINEER
74664PE
OREGON
JULY 12, 2005
MARK S. ERICKSON

EXPIRES: 12/31/07

SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN
COMPLIANCE REVIEW REQUIREMENTS AND HISTORY

This SPCC plan will be amended whenever there is a change in the facility design, construction, operation, or maintenance that materially affects the facility's potential for discharge of oil into or upon the navigable waters of the United States. Amendments will be incorporated as soon as practical, but not later than six months after such change occurs.

Additionally, a professional engineer (PE) will complete a review and evaluation of the SPCC plan at least once every five years. As a result of this review and evaluation, the plan will be amended within six months to include more effective prevention and control technology, if appropriate. Any time a facility change or review and evaluation result in the need for SPCC plan technical amendments, the SPCC plan will be recertified by a PE, consistent with 40 CFR Part 112.3.

Each review or amendment to the SPCC plan will be documented in the table provided below. Documentation shall include a summary of the review or amendment; the number, date, and plan sections affected by the review or amendment; and the name and signature of the person completing the review or amendment.

No.	Summary of Revisions	Date	Individual or Company Name	Reviewer Signature
1	Revise SPCC Plan	06/23/06	Maul Foster & Alongi, Inc.	
2	Change corrections to asphalt only pg24	10/12/06	Glenn F. Dollar Ash Grove Cement Company	

APPLICABILITY OF THE SUBSTANTIAL HARM CRITERIA

FACILITY NAME: Ash Grove Cement Company

FACILITY ADDRESS: 3737 North Port Center Way
Portland, Oregon 97217

1. Does the facility transfer oil over water to or from vessels and does the facility have a total oil storage capacity greater than or equal to 42,000 gallons?
   Yes _____ No _X_____

2. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and does the facility lack secondary containment that is sufficiently large to contain the capacity of the largest aboveground oil storage tank plus sufficient freeboard to allow for precipitation within any aboveground oil storage tank area?
   Yes _____ No _X_____

3. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and is the facility located at a distance (as calculated using the formula in Attachment C-III, Appendix C, 40 CFR 112 or a comparable formula [1]) such that a discharge from the facility could cause injury to fish and wildlife and sensitive environments? For further description of fish and wildlife and sensitive environments, see Appendices I, II, and III to DOC/NOAA's "Guidance for Facility and Vessel Response Environments" (Section 10, Appendix E, 40 CFR 112 for availability) and the applicable Area Contingency Plan.
   Yes _____ No _X_____

4. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and is the facility located at a distance (as calculated using the appropriate formula (Attachment C-III, Appendix C, 40 CFR 112 or a comparable formula [1]) such that a discharge from the facility would shut down a public drinking water intake[2] ?
   Yes _____ No _X_____

5. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and has the facility experienced a reportable oil spill in an amount greater than or equal to 10,000 gallons within the last 5 years?
   Yes _____ No _X_____

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SPILL PREVENTION CONTROL AND COUNTERMEASURES PLAN
ASH GROVE CEMENT COMPANY

1. PURPOSE

The purpose of this spill prevention control and countermeasure (SPCC) plan is to prevent oil spills, and to respond safely, efficiently, and in a timely manner in the event of a spill or leak (both referred to herein as "spills"). The July 1, 2002 version of the U.S. Environmental Protection Agency (USEPA) oil-pollution-prevention regulations in 40 Code of Federal Regulations (CFR) 112 were used as guidance for the development of this plan. The plan also addresses provisions in the proposed December 12, 2005 revisions of the oil oil-pollution-prevention rules in anticipation that these provisions will become an active part of the plan when the revised rules become effective. Citations included in the subject headings of this plan are in the order they are presented in the 2002 version of 40 CFR 112 oil-pollution-prevention rules.

Per 40 CFR 112, Ash Grove Cement Company must prepare and implement an SPCC plan for facilities that could reasonably be expected to discharge oil into or upon navigable waters or adjoining shorelines (Ash Grove Cement Company's terminal facility stormwater discharges to the Willamette River) and that meet one of the following conditions:

- The aggregate aboveground storage capacity of the facility exceeds 1,320 gallons. Only containers with a capacity of 55 gallons or greater are counted. Ash Grove Cement Company's terminal facility oil storage capacity exceeds the 1,320-gallon threshold.

- Underground oil-storage capacity exceeds 42,000 gallons, unless the underground tanks are subject to all of the technical requirements of 40 CFR 280 or a state program approved under 40 CFR 281. There are no underground storage tanks at the Ash Grove Cement Company terminal facility.

As defined by 40 CFR Part 112, oil includes all grades of motor oil, hydraulic oil, lube oil, fuel oil, gasoline and diesel, automatic transmission fluid, used oil, transformer mineral oil, fluorescent penetrant oil, and some cutting fluids used for targeting or machining. The definition of oil also includes nonpetroleum oils such as animal or vegetable oils and synthetic oils. Throughout the remainder of this document, the term "oil" will mean all substances regulated under 40 CFR Part 112.

2. FACILITY OWNER AND OPERATOR

A. Facility Owner, Address, and Telephone:

Ash Grove Cement Company
8900 Indian Creek Parkway, Suite 600
Overland Park, Kansas 66225
Telephone (913) 451-8900

B. Facility Operator, Address, and Telephone:

Ash Grove Cement Company
3737 North Port Center Way
Portland, Oregon 97217
Telephone: (503) 285-4621
Fax: (503) 289-2272

3. FACILITY CONTACT(s)

Name	Title	Telephone
John Hone	Terminal Manager	(503) 285-4621(office)
		(b) (6) (cell)
Gary Wright	Portland Operations Manager	(503) 286-1677(office)
Glenn Dollar	Envir, Health & Safety Manager	(503) 286-1677 (office)

4. FACILITY DESCRIPTION

A. Plant Description:

112.7(a)(3) Describe the physical layout of the facility and include a facility diagram which shows the location and contents of each container and underground storage tank.

Ash Grove has operated a cement distribution facility at 3737 North Port Center Way since 1995. Ash Grove purchased the property north of its existing operations from Goldendale Aluminum on December 28, 2005. The combined property (facility) includes a north terminal (former Columbia Aluminum property) and a south terminal (existing Ash Grove facility). The facility is rectangular in shape and encompasses approximately 14.52 acres. The facility is located on the east bank of the Willamette River approximately nine miles upstream of the confluence of the Willamette River into the Columbia River and one mile northwest of the Fremont Bridge. The facility is bordered on the west by the Willamette River, north by the City of Portland combined sewage outfall project, and east and south by Union Pacific railroad. The facility is located in the South 1/2 of Section 21 and the North 1/2 of Section 28 of Township 1 North, Range 1 East. Anticipated activities at the combined facilities will require storage of petroleum products in sufficient quantity

that require development and implementation of a Spill Prevention, Control and Countermeasures Plan.

The facility is located in the northern portion of the Willamette Valley physiographic province. The region is underlain with sand and silt deposited on the flood plain and includes areas of artificial fill, largely derived from recent alluvium.[1] The *Soil Survey of Multnomah County Area, Oregon*, compiled by the U.S. Soil Conservation Service, describes the soil at the subject property as Urban land, 0 to 3 percent slopes. No hydric soil components are listed for this soil series in the May 31, 1989, Hydric Soils in Multnomah County Area, Oregon, compiled by the U.S. Soil Conservation Service. Hydric soils are an essential characteristic of wetlands and are defined as soils which are saturated, flooded, or ponded long enough to develop anaerobic conditions in the upper part of the soil profile. From the published soil survey information available, it would appear that the subject site does not meet the soil criteria for jurisdictional wetlands. However, a comprehensive and site specific wetlands determination, including characterization of the soils using onsite assessment methods and assessment of hydrophytic vegetation and wetland hydrology, has not been performed.

The north terminal property (8.22 acres) will be operated as an import terminal for portland cement and powdered alumina. It includes ship mooring dolphins, a dock, a pneumatic conveyance system with a blower room (for material transfer from the ship to the silos), a reclaim system (for material transfer from the silos to the rail load-out building), three storage tanks, a rail load-out building, a shop and administration building, a garage, a boat house, railroad spur tracks with car movers, and paved roadways (see Figures 1A, 1B, & 1C in Appendix 1). Physical modifications planned for the north terminal will include bulk handling equipment changes to facilitate the handling of Portland cement in addition to powdered alumina.

The south terminal (6.30 acres) was completed in December 1995 and operates as a cement distribution facility. It includes a barge mooring structure, a dock, six concrete storage silos, a physical testing lab, a rail unload structure, a shop area, railroad spur tracks with car indexer, a truck wash area, an operations building, and paved roadways (see Figures 1C, 1D, 1E, and 1F in Appendix 1). The north and south terminals will be interconnected with an enclosed conveying system for transferring material between the two facilities.

Ash Grove utilizes motorized equipment to conduct daily operations (e.g., bobcat, front end loader, and forklift). These items require daily fueling and lubrication. A 500-gallon double-walled diesel aboveground storage tank (AST) is located at the north terminal on the north side of the garage (see Figure 2B). The tank and dispenser are protected against collision by concrete-filled steel pipe bollards. This tank is equipped with tertiary containment to control drainage and accommodate containment of fuel delivery trucks. Plant mobile equipment is fueled while parked in the diesel delivery truck unloading station. A 15 gallon per minute (gpm) pump located within the secondary containment area transfers diesel from the 500 gallon storage tank to the mobile equipment. Any spills during this fueling operation are contained by the concrete containment pad for the truck unloading station. Storm water collected in the secondary containment system is

[1] *United States Geological Survey, "Geologic Map of Oregon," 1991.*

manually pumped out onto the ground after visual confirmation that it is not contaminated with oil using procedure described in Section 15 of this plan.

Truck and equipment maintenance activities are conducted inside the 7-bay garage. Vehicles are stored under cover in the garage when they are not being used. Ash Grove stores a 300-gallon used oil tank, 55-gallon drums of motor oil and hydraulic oil, and smaller quantities of other petroleum products in the garage. 55-gallon drums are stored within a secondary containment berm. The 300-gallon used oil tank is equipped with a steel secondary containment structure, and is located within the tertiary bermed containment area.

Two hydraulic railcar indexers are located just south of the railcar loading structure. These indexers are used to move the railcars for filling. Each indexer has a hydraulic oil reservoir of 220 gallons. The indexers are surrounded by concrete secondary containment of sufficient capacity to contain oil used in each piece of equipment. An additional railcar indexer is located in the basement of the north terminal. This indexer contains 150 gallons of hydraulic oil. The basement of the north terminal consists of concrete walls and a concrete floor. There is no drain or sump in the basement that could contribute to a release. In addition, the indexer is surrounded by a concrete berm to contain any leaks or spills.

An electrical transformer is located within a containment structure just east of the administrative building. The transformer has an oil capacity of 490 gallons, and is surrounded by concrete curbs designed to prevent any spill originating from this equipment from reaching the nearby catch basin. The dike area consists of a gravel surface, which allows rainwater to infiltrate into the ground. The transformer contains mineral oil with less than 50 parts per million (ppm) polychlorinated biphenyls (PCBs).

Small quantities of gasoline are stored in a containment cabinet in a garden shed that is located north of the 7-bay garage. Containers stored at this location have oil storage capacities less than 55 gallons.

Drainage from the facility occurs as sheet flow, discrete conveyance pathways, or through the storm drainage collection system to the Willamette River. This SPCC plan has been designed to reasonably prevent a discharge of oil to the Willamette River from these discharge points.

The facility is secured by a 6-foot high perimeter chain linked fence. Gates are locked when the facility is not in operation.

Figures 1A through 1F in Appendix 1 contain a site diagram showing the location of major equipment and oil storage locations.

B. Oil Storage Type, Volume and Location:

112.7(3)(i) The plan should contain a list of the oil storage area/use location and what they contain.

Item	ID	Location	Volume (gal)	Contents
1	Diesel Tank	North of 7-bay garage	500	#2 Diesel fuel oil
2	Used Oil Tank	7-bay garage	300	Used oil
3	Up to 10-55-gallon drums	7-bay garage	Up to 550 gallons	New and used lubricants, greases, antifreeze, and solvents
4	Two (2) railcar indexers	South of rail loadout structure	220 (each)	Hydraulic oil
5	One (1) railcar indexer	Basement of north terminal	150	Hydraulic oil
6	Transformer	East of admin. building	490	Transformer mineral oil
7	Garden Shed	North of 7-bay garage	<55	Gasoline

5. DISCHARGE PREVENTION, CONTAINMENT, AND COUNTER MEASURES

A. Discharge Prevention 112.7(a)(3)(ii):

The terminal facility prevents discharges of oil:

- by providing properly designed and installed oil storage, unloading and transfer equipment using where possible fail-safe designs, and
- by training our personnel in the proper inspection, operation and maintenance of the oil handling equipment.

The 500 gallon diesel fuel tank is a double walled tank. Secondary containment for dispensing and delivery operations will provide fail-safe prevention to discharges to water of the US. A spill kit is located in close proximity to the tanks for rapid response to a spill occurrence. Personnel who have been trained in oil handling procedures attended filling at all times. Signs in the area require attended filling, no smoking, and use of truck chocks when fueling mobile equipment or receiving deliveries. Inspections are made of the containment areas and tanks on a monthly basis as described in Appendix 2 of this plan.

The used oil tank and 55-gallon drums located in the 7-bay garage are stored within secondary containment. Secondary containment is of sufficient volume to contain the contents of the single largest tank or storage container within this area. The secondary containment consists of impervious material to prevent the release of oil outside containment.

Monthly inspections are made of the diesel fuel tank, the 7-bay garage area, indexers, and transformer locations in accordance with procedures described in section 9 of this plan. All equipment is maintained in accordance with plant operating and preventive maintenance procedures with which all personnel are trained to understand and implement.

B. Discharge Containment 112.7(a)(3)(iii):

- Storage Tanks. All storage tanks at the Portland terminal and containers are or will be provided with secondary containment.
- Oil Unloading. Bulk transfer of diesel is performed from an unloading station equipped with secondary spill containment large enough to hold the entire contents of the delivery truck.
- Diesel Fueling. Diesel fueling of mobile equipment occurs within secondary containment and is attended during fueling operations.

C. Discharge Counter Measures 112.7(a)(3)(iv-v) & (a)(4):

Anyone who observes an oil leak or spill alerts personnel and reports it to the Terminal Manager or senior person in charge. Personnel have been trained to respond to spills and instructed on the proper use of emergency spill kits. Spill kits are located in the diesel storage area, 7-bay garage, and in the administrative building shop area. The Terminal Manager or the senior on duty person immediately assesses the severity of the situation and takes action to stop the spill (i.e., turns-off pumps, closes valves, etc.). If the spill is outside a containment area, the facility operations manager is notified immediately. Spills in excess of 42 gallons that occur outside secondary containment or spills that cause any sheen to the river or waters of the state shall be reported to the National Response Center (800-424-8802) and the Oregon Emergency Response System (800-452-0311) within 15-minutes after facility personnel determine either of the preceding two situations have occurred. In addition, if outside assistance is necessary, and emergency response company such as Foss Emergency Services should be contacted. Appendix 3 contains a spill notification form that is to be completed for a reportable spill event.

Spill clean-up techniques vary depending on the location and magnitude of such an event. Recovery may include pumping free oil into a tank truck for transport to a local oil reclaimer, use of marine vessels to facilitate product recovery in the river, absorption of residual oil with commercial absorbents and/or excavation of oily absorbent and soil into a truck for disposal at a permitted disposal location.

For spills from inside containment structures, the Terminal Manager will immediately take all necessary action to locally contain the spill with absorbent materials. The oily absorbent and containment material should be placed in drums or a truck and disposed at a permitted disposal location. Spills in containment areas should be cleaned up promptly by pumping free oil into containers or a truck. If the free oil is not suitable for re-use, it will be shipped off-site to a permitted disposal or recycling facility. If necessary the surface of the containment area should be cleaned with detergent and water. The waste

water should be collected put in drums or a suitable truck and disposed at a permitted disposal facility.

- Spills of 42 gallons or more of oil that are outside of containment must be immediately reported to the Oregon Emergency Response System (800- 452-0311).

- Oil spills that reach the Willamette River must be immediately reported to the National Response Center (NRC) (800- 452-0311).

The Spill Response Notification Form in Appendix 3 will be used as a checklist for what to report and as a record of what was reported.

D. Emergency Contacts 112./7(a)(3)(vi);

The following is a list of emergency contacts including plant personnel, regulatory authorities and contractors and disposal firms.

Plant Contacts	**Day Time**	**24- Hour**
Terminal Manager	(503) 285-4621	(503) 784-3463
Operations Manager	(503) 286-1677	(971) 563-9504
EHS Manager	(503) 286-1677	(360) 737-1817
Control Authorities		
Oregon Emergency Management Service		(800) 452-0311
National Response Center		(800) 424-8802
Cleanup Contractors		
Foss Environmental Services		(800) 337-7455
Waste Disposal Companies		
Oil Re-Refining		(800) 367-8894

6. SPILL HISTORY

In 1992, the north terminal experienced an oil spill incident during the off-loading of the marine vessel Tai Chung. The ship was refueling with bunker type oil that was being transferred from a barge via a transfer hose to 2 tanks on the ship. The spill was reported to and responded by federal and local government agencies and a local cleanup contractor. An incident of this type is not anticipated since Ash Grove will forbid the refueling of marine vessels while moored at the facility terminal.

7. POTENTIAL SPILL PREDICTIONS, VOLUMES, RATES, AND CONTROL

112.7(b) Where experience indicates a reasonable potential for equipment failure (such as loading and unloading equipment, tank overflow, rupture, or leakage), include in your plan a prediction of the direction, rate of flow, and total quantity of oil which could be discharged from the facility as a result of each major type of failure.

Item	Tank ID Source	Type of Failure	Volume (gallons)	Rate (gal/hr)	Dir of flow[1]	Containment (gallons)
Aboveground tanks						
1	Diesel fuel	Tank rupture, overfill, or leakage	500	>500	Within double-wall and tertiary containment	Double-walled tank >500
2	Waste Oil Tank	Tank rupture, overfill, or leakage	300	>300	Within steel containment	Steel containment = 300
3	55 gallon drums of petroleum product	Drum rupture or puncture	55	>55	Within concrete containment	>300 (minimum required containment volume is 55-gallons)
Process Equipment						
4	Two (2) 220-gallon railcar indexers	Reservoir rupture, hydraulic line rupture	220	>220 (each)	Within concrete containment	>250 (each)
5	150-gallon railcar indexer	Reservoir rupture, hydraulic line rupture	150	>150	Within concrete containment	>150 (basement of north terminal does not have any drains)
6	Transformer	Catastrophic failure	290	>290	Within concrete containment	>290

8. PREVENTION MEASURES

A. Drainage Control Diversionary Structures and Containment 112.7(c)

112.7(c) Provide appropriate containment and/or diversionary structures or equipment to prevent discharged oil from reaching a navigable water course. One of the following preventive systems or its equivalent should be used as a minimum:

(i) Dikes, berms or retaining walls sufficiently impervious to contain spilled oil;
(ii) Cubing;
(iii) Culverting, gutters or other drainage systems;
(iv) Weirs, booms or other barriers
(v) Spill diversion ponds;
(vi) Retention ponds;
(vii) Sorbent materials.

Item	Tank ID	Location	Diversionary Structures & Containment	
Aboveground Storage containers				
1	Diesel tank	North of 7-bay garage	Primary and tertiary secondary containment	Steel double-walled construction; concrete containment for drainage control; drip trays and adsorbent materials
2	Used oil tank	Inside 7-bay garage	Primary and tertiary secondary containment	Steel containment structure located inside tertiary containment in garage; drip trays and adsorbent materials
3	55 gallon drums	Inside 7-bay garage	Secondary containment	Bermed containment; spill pallets; and/or drip trays and adsorbent materials
4	Rail indexers	Adjacent to rail loadout structure	Secondary containment	Sealed asphalt surface and sidewalls
5	Rail indexer	Basement of North Terminal	Secondary containment	Concrete surface and concrete sidewalls
6	Transformer	East of Admin. building	Secondary containment	Concrete sidewalls
7	Garden Shed	North of 7-bay garage	Adsorbents	Adsorbent materials

9. INSPECTIONS, TESTING, AND RECORDKEEPING

112.7(e) Inspections tests and records. Conduct Inspections and tests required by this part in accordance with written procedures that you or the certifying engineer develop for the facility. You must keep these written procedures and a record of the inspections and tests, signed by the appropriate supervisor or inspector, with the SPCC Plan for a period of three years. Records of inspections and tests kept under usual and customary business practices will suffice for purposes of the paragraph.

Written inspection procedures (e.g., checklist) and tests should be included in the SPCC Plan. Documentation of the inspections and tests can be maintained in a separate location other than the SPCC Plan as long as their location is referenced as a part of the SPCC Plan for three years.

Inspections of the oil storage and handling facilities at the terminal include: daily visual inspections of storage tanks and piping for leaks or spills, monthly visual inspections of tanks and hydraulic lines, secondary containment and response equipment. Any leaks, spills or maintenance problems are reported to the maintenance department for immediate correction.

The individual inspections are described as follows:

- Daily Visual Inspections – Operators will visually inspect the storage tanks, pumps, piping and valves on a daily basis for leaks or spills and take immediate corrective action to stop the leaks and clean-up spilled oil. These inspections will be part of the routine activities of operations and will not be recorded unless a leak or spill is identified.

- Monthly Inspections – The Terminal Manager or their designee will perform a monthly inspection of the petroleum storage and use areas described in Section 9 using the checklist in Appendix 2. The inspections will be documented and maintained for 3 years in the SPCC file.

40 CFR §112.7(a)(2) allows for flexibility regarding integrity testing requirements of bulk storage containers as long as the alternative provide equivalent environmental protection. Ash Grove is deviating from the integrity testing provisions in §112.8(c)(6) for the 500 gallon diesel storage tank and the 300 gallon used oil tank. The diesel tank is an aboveground, double-walled tank elevated on integral saddles, and all sides of the tank are visible. The diesel tank is contained inside a tertiary containment structure designed to hold the contents of a 1,500-gallon petroleum delivery vehicle. The used oil tank is an aboveground, single-walled steel tank within a steel containment structure that is located within a tertiary containment area inside the 7-bay garage. All sides of the used oil tank are visible. Both tanks are not insulated, and the outside surface of the tank shell can be observed on an on-going basis. These tanks are visually inspected on a monthly basis by personnel who are knowledgeable about facility operations, characteristics of the contents of the tanks, and the type of tank and its components. The inspections focus specifically on detecting any change in conditions or signs of leakage from the tank, piping systems, and appurtenances.

If signs of leakage or deterioration of the tank are observed, the tank will be inspected by someone who is qualified in the Steel Tank Institute or American Petroleum Institute tank inspection methods. The tanks physical configuration combined with the regular inspection schedule ensure that any leaks that may develop will be detected before the leaked fluid can escape the secondary containment structures. This approach demonstrates environmental protection equivalent to the integrity testing required under §112.8(c)(6) because this approach provides appropriate and effective means of assessing the tanks' conditions and suitability for continued service.

10. PERSONNEL TRAINING AND SPILL PREVENTION PROCEDURES

A. Training

112.7(f)(1)&(3) Personnel, training and discharge prevention procedures. (i) Owners and Operators are responsible for providing initial training and annual refresher training for oil handling personnel in the operation and maintenance of equipment to prevent discharges; discharge procedure protocols: applicable pollution control laws, rules and regulations; general facility operations and the contents of the facility SPCC Plan.

Employees involved with operation and maintenance of oil handling equipment receive operating and maintenance training and spill prevention training before they can independently perform the work. Ash Grove provides initial SPCC training for personnel involved with handling petroleum products that includes:

- Operation and maintenance of equipment to prevent discharges;
- Discharge-procedure protocols;
- Applicable pollution-control laws, rules, and regulations;
- General facility operations; and
- Contents of the facility SPCC plan.

Ash Grove provides additional spill training at least annually to facilitate adequate understanding of the SPCC plan. The departmental supervisors shall arrange the SPCC briefings, which shall include the following topics:

- Known discharges or failures, or malfunctioning components; and
- Recently developed precautionary measures.

Records of attendance at training and topics covered are maintained at the facility by the Environmental Health and Safety Manager.

B. Designated person accountable for spill prevention :

112.7(f)(2) Personnel, training and spill prevention procedures. Each facility must designate a person who is accountable for oil spill prevention and who reports to facility management.

The Ash Grove Environmental Health and Safety Manager (Mr. Glen Dollar) is accountable for discharge prevention, and reports directly to the terminal manager. Mr. Dollar is responsible for ensuring the SPCC-related training is completed. He will either administer the required training or arrange to have it presented by a qualified instructor.

11. SITE SECURITY

A. Fencing:

112.7(g) (1) Security. All plants handling, processing, and storing oil should be full fenced, and entrance gates should be locked and/or guarded when the plant is not in production or is unattended.

The Ash Grove terminal is surrounded by a 6-foot high chain link fence. There is no fence where the plant site borders the river. The entrances to the terminal facility are gated shut and locked when the facility is unattended.

B. Flow valves locked:

112.7(g) (2) Security. Ensure that the master flow and drain valves and any other valves that will be permitting direct outward flow of the container's contents to the surface have adequate security measures so that they remain in the closed position when in non-operating or non-standby status.

There are no drain valves or other valves that permit direct outward flow on the bulk storage tanks or containers.

C. Starter controls locked:

112.7(g) (3) Security. Lock the starter control on each oil pump in the 'off' position and locate it at a site accessible only to authorized personnel when the pump is in a non-operating or non-standby status.

The starter controls for the diesel transfer pump on the diesel tank are located inside the garage. The garage is locked when the facility is not operating or in standby status.

D. Pipeline loading/unloading connections securely capped:

112.7(g)(4) Security. The loading/unloading connections of oil and pipelines should be securely capped or blank-flanged when not in service or standby service for an extended time. This security practice should also apply to pipelines that are emptied of liquid content either by draining or by inert gas pressure.

There are no loading/unloading connections that are not in service or in standby service for an extended period of time. Bulk storage containers are filled and emptied from the top by pumping. There are no loading/unloading pipelines. The fill port to the diesel storage tank is securely locked when not in use.

E. Lighting adequate to detect spills:

112.7 (g)(5) Security. Provide facility lighting commensurate with the type and location of the facility that will assist in the:

(A) Discovery of discharges occurring during hours of darkness, both by operating personnel, if present, and by nonoperating personnel (the general public, local police, etc.), and

(B) Prevention of discharges occurring through acts of vandalism

Lighting is provided throughout the facility to help detect any spills in a timely manner. When the facility is unattended, power to the dispensing pump for the diesel fuel is turned off. The on/off switch is located inside the 7-bay garage, which is locked when the facility is not operated.

12. TANK TRUCK UNLOADING OPERATIONS

A. DOT regulations:

The fuel delivery trucks will comply with Department of Transportation requirements and the following procedures when delivering fuel:

- The truck handbrake is set while loading and unloading.
- Wheels are to be chocked
- The truck is attended by a qualified person at all times when it is being unloaded.
- “No Smoking” signs, and grounding and bonding is performed when unloading flammable materials.

- The truck engine is stopped (unless needed for pump operation) when unloading flammable materials.

B. Secondary containment for vehicles:

112.7(h) (1) Facility tank car and tank truck loading/unloading rack (onshore);
Where unloading area drainage does not flow into a catchment basin or treatment facility designed to handle discharges, a quick drainage system should be used for tank truck loading and unloading areas. You must design any containment system to hold at least the maximum capacity of any single compartment of a tank car or tank truck loaded or unloaded in the plant.

This section describes the design and capacity of secondary containment for truck loading/unloading areas including transfer operations related to both aboveground tanks and underground tanks.

Fuel delivery trucks park within an unloading station when transferring diesel fuel to the diesel storage tank. The unloading station is equipped with secondary containment to contain the contents of a 1,500-gallon delivery truck. The containment area will have a manual drain valve to release accumulated stormwater in a controlled manner. Ash Grove has an agreement with the oil supplier that the maximum capacity of a single truck compartment will not exceed 1500 gallons.

On December 2, 2005, USEPA released the *"SPCC Guidance for Regional Inspectors"*. The following text, taken directly from the document, is the USEPA's interpretation for the applicability of Section 112.7(h):

"Section 112.7(h) applies to areas at regulated facilities where traditional loading/unloading racks for tank cars and tank trucks are located. Loading and unloading racks are subject to the specific secondary containment requirements in §112.7(h)(1).

EPA inspectors should evaluate compliance with the requirements of §112.7(h) for equipment traditionally considered to be "loading racks." While the SPCC rule does not provide a definition for the term "rack," the type of equipment for which these requirements would typically apply has the following characteristics:

- *The equipment is a permanent structure for loading or unloading a tank truck or tank car that is located at a regulated facility.*
- *The equipment may be comprised of piping assemblages, valves, loading arms, pumps, or a similar combination of devices.*
- *The system is necessary to load or unload tank trucks or tank cars.*
- *The system may also include shut-off devices and overfill sensors.*

EPA clarified that the provisions of §112.7(h) apply only in instances where a rack structure is present.

Loading racks can be located at any type of facility; however, the loading areas associated with a production tank battery generally do not have the equipment described above, which is often associated with a "loading rack." Loading/unloading areas utilizing a single hose and connection or standpipe are not considered "racks."”

C. Warning or barrier system for vehicles:

112.7(h) (2) Facility tank car and tank truck loading/unloading rack (onshore);
Provide an interlocked warning light or physical barrier system, warning signs, wheel chocks or vehicle break interlock system in loading/unloading areas to prevent vehicular departure before complete disconnect of flexible or fixed transfer lines.

Wheels chocks are used when fuel deliveries are made. Deliveries are made to the tank from pumping from the vehicle to the tanks by a fill spout in the top. Warning signs will be posted in the delivery area to prevent vehicular departure before disconnecting fill hose. Prior to filling and departure, the lower-most drain and all connections of the supply vehicle are inspected for discharges, and if necessary, are tightened, adjusted, or replaced to prevent a discharge in transit.

13. REPAIRED, ALTERED, OR RECONSTRUCTED OIL TANKS

112.7(i) If a field constructed aboveground container undergoes a repair, alteration, reconstruction, or a change in service that might affect the risk of a discharge due to brittle fracture or has discharged oil or failed due to brittle fracture failure the Owner or Operator must evaluate the risk and take appropriate action.

If repairs, alterations, reconstruction or change of service occur for the bulk oil storage tanks, the Terminal Manager will have a qualified person assess the risks of failure.

14. CONFORMANCE WITH STATE RULES, REGULATIONS, AND GUIDELINES

112.7(j) In addition to the minimal prevention standards listed under this section, include in your Plan a complete discussion of conformance with the applicable requirements and other effective discharge prevention and containment procedures listed in this part or any applicable more stringent State rules, regulations, and guidelines.

Aboveground storage tanks (ASTs) in the State of Oregon are regulated by the USEPA and Oregon’s Uniform Fire Code. These regulations apply to ASTs that contain petroleum products, such as lubricating oils; heating oil; and motor fuels which include gasoline, diesel and alcohol/blend fuels. The Oregon Department of Environmental Quality (DEQ) does not regulate ASTs.

Oil spills that contact or are likely to contact waters of the state (coastal waters, lakes, rivers, groundwater [i.e., wells, drain fields, and sewers], and stormwater) must be reported within one hour to the Oregon Emergency Response System (OERS) at 1-800-452-0311 or 1-800-OILS-911, and to the National Response Center at 1-800-424-8802.

Oil spills to land that are greater than 42 gallons and that are not likely to contact waters of the state must be reported to the OERS at 1-800-452-0311 within one hour. Land includes: soil, gravel, and concrete or asphalt pads, but not secondary containment or spills to the indoors that do not have the potential to reach waters of the state (no drains or other release points).

15. FACILITY DRAINAGE

A. Drainage Control From Secondary Containment:

112.8(b) (1) Facility drainage. Restrain drainage from diked storage by valves to prevent a discharge into the drainage system or facility effluent treatment system, except where facility systems are designed to control such discharge. You may empty diked areas by pumps or ejectors; however, you must manually activate these pumps and must inspect the accumulation before starting, to be sure no oil will be discharged.

This section describes drainage in areas of the facility which have localized secondary containment. Localized containment is specifically designed to retain drainage in operating areas of a facility (e.g., AST farm, truck loading/unloading rack, pipeline areas).

Item	Tank ID Source	Secondary Containment
1	Diesel fuel tank	Double-walled tank, secondary containment around tank and area where trucks park to deliver fuel and dispensing of fuel to equipment
2	Used oil tank	Inside a metal secondary containment box and tertiary berm containment in the 7-bay garage storage area
3	Drum storage area	Secondary containment berm around the drum storage area inside the 7-bay garage area
4	Railcar indexers	Secondary containment provided around hydraulic oil reservoirs
5	Railcar indexer	Inside basement of north terminal, surrounded by concrete curb
5	Transformer	Secondary containment provided around transformer

B. Valves used on diked area storage:

112.8(b)(2) Facility drainage (onshore). Use valves of manual, open-and-closed design, for the drainage of diked areas. You must not use flapper-type drain valves to drain diked areas. When facility drainage drains directly into water courses and not into wastewater treatment plants, retained storm water must be inspected before drainage.

Stormwater is removed from containment areas at the terminal facility with either manually operated pumps or manual, open/closed drain valves. After visual inspection and confirmation that storm water is not contaminated, storm water is pumped out or drained from the containment. Appendix 4 contains the standard operating procedure for inspection and pumping or draining of storm water from the secondary containment areas.

C. Plant drainage systems from undiked areas:

112.8(b)(3) Facility drainage (onshore). Facility drainage systems from undiked areas with the potential for discharge (such as where piping is located outside containment walls or where tank truck discharges may occur outside the loading area) should be designed, if possible, to flow into ponds, lagoons or catchment basins, designed to retain oil or return it to the facility. Catchment basins should not be located in areas subject to periodic flooding.

There is no piping at the terminal facility that would cause a release of petroleum outside secondary containment with the exception of permanent hydraulic and lubrication systems on stationery and mobile equipment. The Ash Grove Terminal has a comprehensive preventative maintenance program to keep these systems in optimum operating conditions. The probability for failure of these types of systems is very low.

D. Final discharge of drainage:

112.8 (b) (4) Facility drainage (onshore) If facility drainage is not engineered as in 112.8(b)(3), equip the final discharge of all in plant ditches should be equipped with a diversion system that would, in the event of an uncontrolled spill, return the oil to the plant.

All potential sources of oil release are adequately contained or controlled.

E. Facility Drainage Systems and Equipment

112.8 (b)(5) Facility drainage (onshore). Where drainage waters are treated in more than one treatment unit, and such treatment is continuous, and pump transfer is needed, provide two "lift" pumps and permanently install at least one of the pumps. Whatever techniques you use, you must engineer facility drainage systems to prevent a discharge in case there is an equipment failure or human error at the facility.

There are no treatment units used to drainage water from oil storage areas at this facility.

16. BULK STORAGE TANKS/SECONDARY CONTAINMENT

A. Storage Tank Materials of Construction

112.8(c)(1) Bulk storage tanks (onshore). No tank should be used for the storage of oil unless its material and construction are compatible with the material stored and conditions of storage such as pressure and temperature, etc.

Describe in detail the construction of all aboveground storage tanks and their compatibility with the liquids that they hold. Identify which standards (e.g., API standards) of construction have been followed and features of the individual tanks (e.g., double bottoms, coatings).

The bulk storage containers for diesel and used oil are carbon steel construction and have been in service for many years without visible leaks or corrosion. Although the tank design standards are not available, the fact that the materials stored (i.e., diesel and used oil) are not corrosive and there has been no visible evidence that the tanks are improperly designed, it is reasonable to assume that the tanks meet the requirements of 112.8(c)(1).

B. Diked area construction and containment volume for storage tanks:

112.8(c)(2) Bulk storage tanks (onshore). Construct all bulk storage container installations so that you provide a secondary means of containment for the entire capacity of the largest single container plus sufficient freeboard to contain precipitation. You must insure that the diked areas are sufficiently impervious to contain discharged oil. Dikes, containment curbs, and pits are commonly employed for this purpose. You may also use an alternative system consisting of a drainage trench enclosure that must be arranged so that any discharge will terminate and be safely confined in a facility catchment basin of holding pond.

All petroleum storage areas are surrounded by secondary containment. The bulk storage tanks for diesel and used oil have tertiary containment. Secondary containment features are described in Section 7 and Section 8.

C. Diked area, inspection and drainage of rainwater:

112.7(c)(3) Bulk storage tanks (onshore). Don't allow drainage of rainwater form the diked area into a storm drain or an effluent discharge that empties into an open water course, lake, or pond, bypassing the in plant treatment system unless you:

1. *Normally keep the bypass valve sealed closed.*
2. *Inspection of the retained rainwater to ensure that its presence will not cause a discharge as described in 112.1(b).*
3. *Open the bypass valve and resealed it following drainage under responsible supervision.*
4. *Keep adequate records of such events.*

This section should include a detailed discussion of the inspection and drainage procedures used for diked areas and how drainage discharge is documented (e.g., checklist noting the appearance of the water, time of valve opening, time of valve closing, signature of inspector, etc.) This section should also include a discussion of an alternate method of drainage to be employed if an oil sheen or oil accumulation is observed.

After visual inspection of the containment for the absence of free product, oil sheens, or iridescent colors, storm water is drained or pumped out of the containment to the ground adjacent to the containment. The drain valves or pumps are manually operated. If the storm water is contaminated with oil, the oil is removed with absorbent pads before pumping or draining the water from the containment. Records of secondary containment drainage are kept in the North Terminal office. Secondary containment drainage procedures and a log sheet are included in Appendix 4.

D. Buried metallic storage tanks integrity testing:

112.8(c)(4) Buried metallic storage tank integrity testing. Protect any completely buried metallic storage tank installed on or after January 10, 1974 from corrosion by coatings or cathodic protection compatible with local soil conditions. You must regularly leak test such completely buried metallic storage tanks.

There are no buried metallic storage tanks at this facility.

E. Partially buried or bunkered metallic storage tank corrosion protection:

112.8(c)(5) Do not use partially buried or bunkered metallic tanks for the storage of oil, unless you protect the buried section of the tank from corrosion. You must protect partially buried and bunkered tanks from corrosion by coatings or cathodic protection compatible with local soil conditions.

There are no partially buried metallic tanks at this facility.

F. Aboveground tank periodic integrity testing:

112.7(c)(6) Bulk storage tanks (onshore). Test each aboveground container for integrity on a regular schedule, and whenever you make material repairs. The frequency of the type of testing must take into account container size and design (such as floating roof, skid mounted, elevated, or partially buried). You must combine visual inspection with another testing technique such as hydrostatic testing, radiographic testing, ultrasonic testing, acoustic emissions testing, or another system of nondestructive shell testing. You must keep comparison records and you must also inspect the containers supports and foundation. In addition, you must frequently inspect the outside of the container for signs of deterioration, discharges, or accumulation of oil inside diked areas. Records of inspections and tests kept under usual and customary business practices will suffice for purposes of this paragraph.

Per Section 9, Ash Grove Cement is deviating from the integrity testing requirements. Section 9 provides support for deviation from integrity testing based on environmental equivalence. Tanks are observed daily by facility personnel during operating hours. Formal inspections are conducted monthly to examine the exterior of the tanks and the piping. These monthly inspections are documented using the report form, which can be found in Appendix 2.

G. Control of leakage from internal heating coils:

112.8(c)(8) control of leakage from internal heating coils. Control leakage through defective internal heating coils by monitoring the steam return and exhaust lines for contamination from internal heating coils that discharge into an open watercourse, or pass the steam return or exhaust lines through a settling tank, skimmer, or other separation or retention system.

There are no steam heating coils on any tanks or tanks systems at this facility.

H. Tank installation fail-safe engineered:

112.8(c)(8) Bulk storage tanks (onshore). Engineer or update each container installation in accordance with good engineering practice to avoid discharges. You must provide at least one of the following devices:
i. High liquid level alarms with an audible or visual signal at a constantly attended operation or surveillance station. In smaller facilities an audible air vent may suffice.
ii. High liquid level pump cutoff devices set to stop flow at a predetermined tank content level.
iii. Direct audible or code signal communication between the tank gauge and the pumping station.
iv. A fast response system for determining the liquid level of each bulk storage container such as digital computers, telepulse, or direct vision gauges. If you use this alternative, a person must be present to monitor gauges and the overall filling of bulk storage containers.
v. You must regularly test liquid level sensing devices to ensure proper operation.

The following table identifies the fail-safe engineering for the storage tanks. The level-indicating devices are monitored during filling or transfer operations.

Item	Fail-safe Engineering
1	Automatic High liquid level pump cutoff fail-safe device. Device is tested regularly.
2	300 gallon used oil tank used only for collection of used oil prior to offsite recycling. Filling is a manual operation using 5-gallon transfer containers. The tank is equipped with a direct sight level indicator.

I. Observation of disposal facilities for effluent discharge:

112.7(c)(9) Bulk storage tanks (onshore). Observe effluent treatment facilities frequently enough to detect possible system upsets that could cause a discharge as described in 112.1(b).

This requirement does not apply to the Ash Grove terminal since there are no effluent treatment facilities that could cause a discharge as described in 112.1(b).

J. Visible oil leak corrections from tank seams and gaskets:

112.8(c)(10) Bulk storage tanks (onshore). Promptly correct visible which result in lose of oil from the container, including but not limited to seams, gaskets, piping, pumps, valves, rivet, and bolts. You must promptly remove any accumulations of oil in diked areas.

Visible oil leaks are reported to the Terminal Manager through a work order system, so that they can be fixed immediately. Operations personnel inform the Terminal Manager

repairs have been completed or if additional time is needed to obtain parts and remedy the leak. Measures will be taken to minimize and mitigate any leaks, while awaiting repair. Any spilled oil is cleaned up immediately by the operations personnel. Oil spill cleanup supplies are located in administration shop building, the 7-bay garage, and adjacent to the diesel storage tank.

K. Appropriate position of mobile or portable oil storage tanks:

112.8(c)(11) Bulk storage tanks (onshore). Position or locate mobile or portable oil storage containers to prevent a discharge

55-gallon drums are considered to be mobile bulk storage tanks. Ash Grove stores 55-gallon drums within a secondary containment inside the 7-bay garage.

17. FACILITY TRANSFER OPERATIONS

A. Buried piping installation protection and examination:

112.8(d) (1) Facility transfer operations, pumping, and facility process (onshore). Provide buried piping that is installed or replaced on or after August 16, 2002, with a protective wrapping and coating.

This does not apply to the Ash Grove terminal since there is no buried oil piping at this facility.

B. Not-in-service and standby service terminal connections:

112.8(d) (2) Facility transfer operations, pumping, and in plant process (onshore). Cap or blank-flange the terminal connection at the transfer point and mark it as to origin when piping is not in service or is in standby service for an extended time.

There are no terminal connections on storage tank systems that are not in service or in standby service for an extended amount of time.

C. Pipe Supports design:

112.8(d) (3) Facility transfer operations, pumping, and in plant process (onshore). Properly design pipe supports to minimize abrasion and corrosion and allow for expansion and contraction.

There are no oil pipelines or pipe supports at this facility.

D. Aboveground valve and pipeline examination:

112.8(d) (4) Facility transfer operations, pumping, and in plant process (onshore). Regularly inspect all aboveground valves, piping, and appurtenances. During the inspection you must assess the general condition of items, such as flange joints, expansion joint, valve glands and bodies, catch pans, pipeline supports, locking of valves, and metal surfaces. You must also conduct integrity and leak testing of buried piping at the time of installation, modification, construction, relocation, or replacement.

Monthly observations are made of areas containing petroleum products in accordance with procedure described in Appendix 2.

E. Aboveground piping protection from vehicular traffic:

112.8(d) (5) Facility transfer operations, pumping, and in plant process (onshore). Warn all vehicles entering the facility to be sure that no vehicle will endanger above ground piping or other oil transfer operations

All contractors and employees are provided site specific hazard awareness training. Contractors delivering fuel and petroleum products are trained on Ash Grove procedures for handling and transferring petroleum products at the facility. Bollards are used to protect the diesel tank from vehicular damage.

18. SPCC CORRECTIVE ACTION

The following compliance items will be implemented by December 2006.

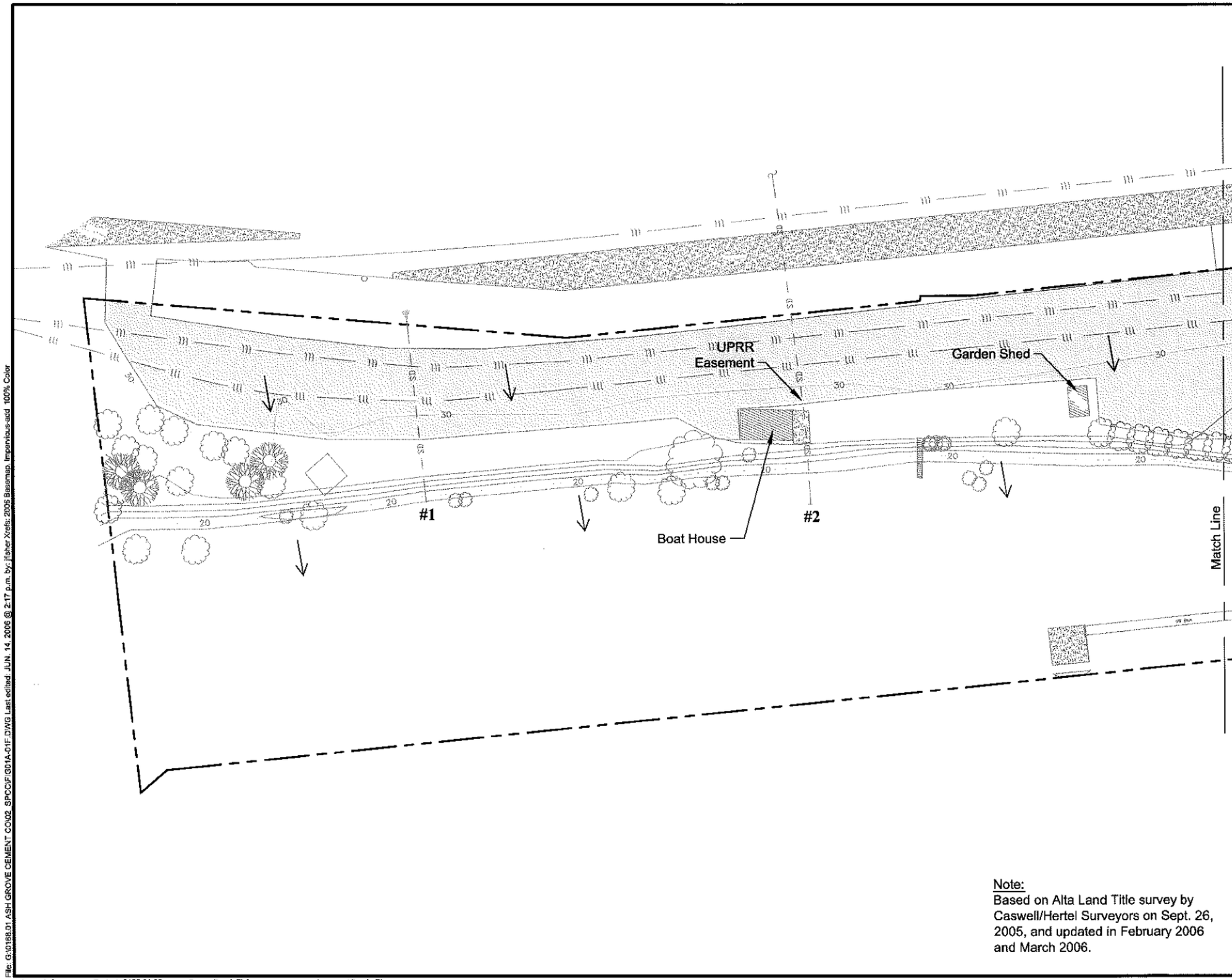
- Construct concrete secondary containment around diesel storage tank of sufficient capacity to contain the contents of a 1500 gallon delivery truck plus three inches freeboard by December 2006.
- Relocate used oil tank to the 7-bay garage by December 2006
- Provide secondary containment for all drums in the 7-bay garage by December 2006. Secondary containment must have a minimum capacity of 55 gallons.
- Relocate all 55-gallon drums of petroleum products at the facility to the secondary containment area in the 7-bay garage by December 2006.
- Install appropriate signage as prescribed in this plan by December 2006.
- Install sealed asphalt pavement and concrete secondary containment around each railcar indexer located adjacent to the rail load-out structure by December 2006.
- Add an item to the contractor and employee training program for all vendors, contractors and employees concerning the handling and transfer of petroleum products.
- Train all employees involved with handling petroleum products as described herein before December 2006.
- Install direct vision level-indicator on used-oil storage tank.
- Provide lock to secure fill port to diesel storage tank when not in use.
- Provide drip trays and adsorbent materials for use at each oil storage location.

APPENDIX 1

SITE DIAGRAMS

Figure 1A

Ash Grove Cement Co.
Portland, Oregon



Legend:
- Property Boundary
- Fence
- Railroad Tracks
- #2 Outfall Designation
- Rock Collector (buried)
- Stormwater Line (not used by Ash Grove)
- Direction of Surface Water Flow
- Asphalt Pavement
- Concrete
- Buildings

0 50 100
FEET

Note:
Based on Alta Land Title survey by Caswell/Hertel Surveyors on Sept. 26, 2005, and updated in February 2006 and March 2006.

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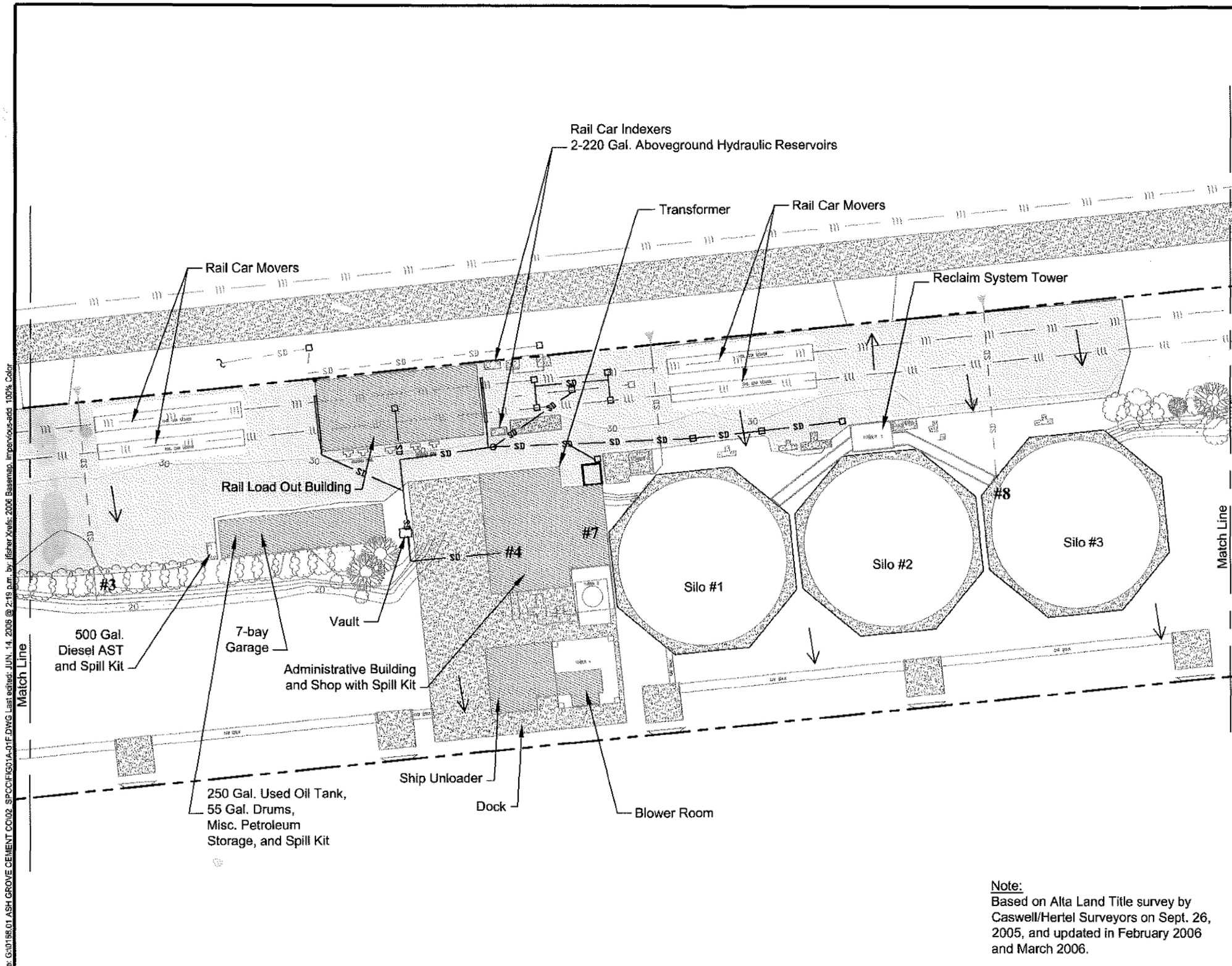
File: G:\0168.01 ASH GROVE CEMENT CO\02_SPCC\FIG01A-01F.DWG Last edited JUN. 14, 2006 @ 2:17 p.m. by: jfisher Xrefs: 2005 Basemap, Impervious-add 100% Color

Layout: 1 Project: 0168.01.02 Drawn By: J. Fisher Approved By: A. Clary

Figure 1B

Ash Grove Cement Co.
Portland, Oregon



Legend:

- Property Boundary
- Fence
- Railroad Tracks
- #2 Outfall Designation
- Rock Collector (buried)
- SD Ash Grove Stormwater Line (configuration estimated)
- SD Stormwater Line (not used by Ash Grove)
- Catch Basin
- Manhole
- Direction of Surface Water Flow
- Asphalt Pavement
- Concrete
- Buildings

0 50 100
FEET

Note:
Based on Alta Land Title survey by Caswell/Hertel Surveyors on Sept. 26, 2005, and updated in February 2006 and March 2006.

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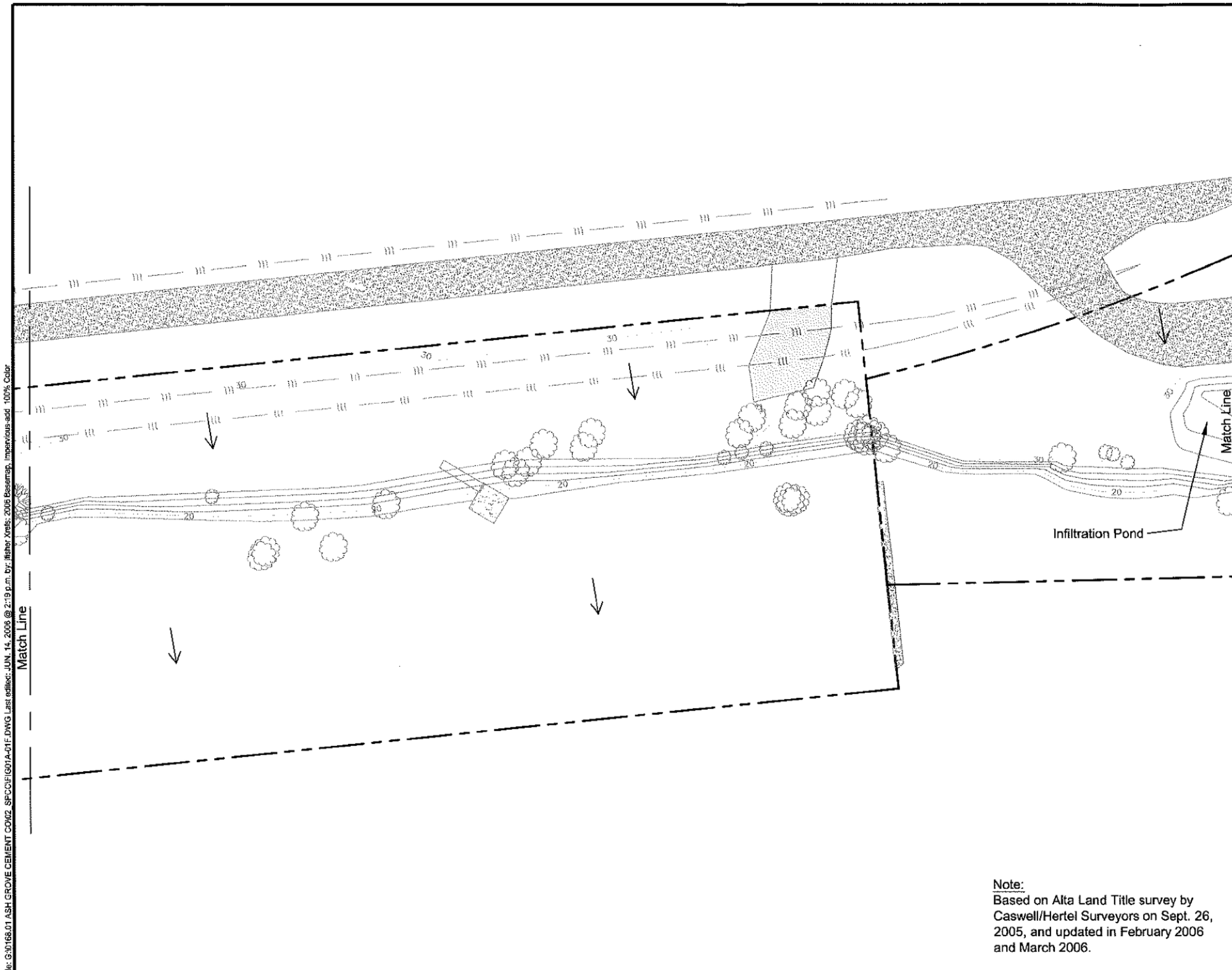
File: G:\0168.01 ASH GROVE CEMENT CO\02_SPCC\FIG01A-01F.DWG Last edited: JUN. 14, 2008 @ 2:19 p.m. by: jfisher Xrefs: 2006 Basemap, Impervious-add, 100% Color

Layout: 2 Project: 0168.01.02 Drawn By: J. Fisher Approved By: A. Clary

Figure 1C

Ash Grove Cement Co.
Portland, Oregon



Legend:
- Property Boundary
- Fence
- Railroad Tracks
- Direction of Surface Water Flow
- Concrete

0 50 100
FEET

Note:
Based on Alta Land Title survey by Caswell/Hertel Surveyors on Sept. 26, 2005, and updated in February 2006 and March 2006.

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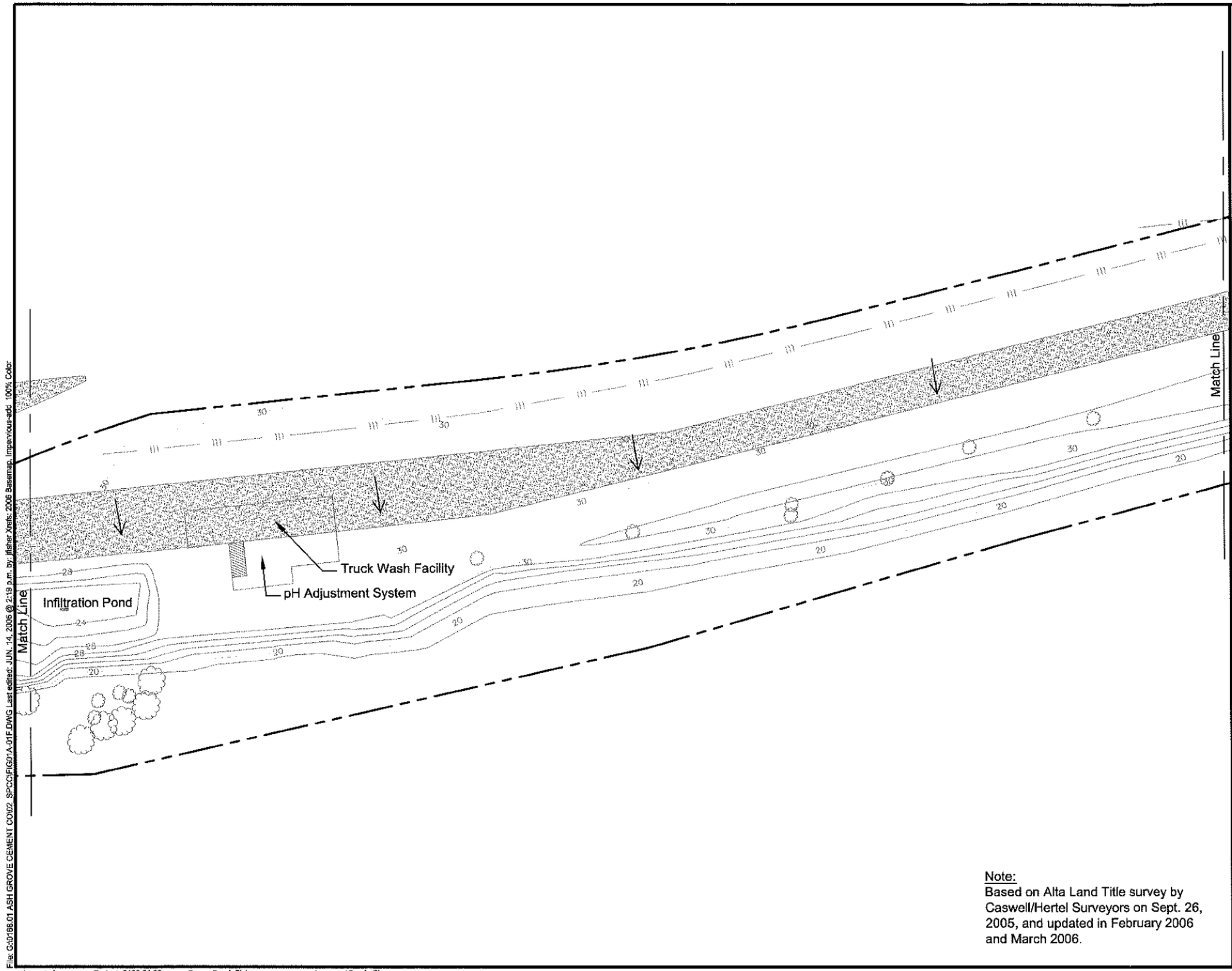
File: G:\0168.01 ASH GROVE CEMENT CO\02_SPCC\FIG01A-01F.DWG Last edited: JUN. 14, 2006 @ 2:19 p.m. by: jfisher Xrefs: 2006 Basemap, Impervious-add 100% Color

Layout: 3 Project: 0168.01.02 Drawn By: J. Fisher Approved By: A. Clary

Figure 1D

Ash Grove Cement Co.
Portland, Oregon



Note:
Based on Alta Land Title survey by Caswell/Hertel Surveyors on Sept. 26, 2005, and updated in February 2006 and March 2006.

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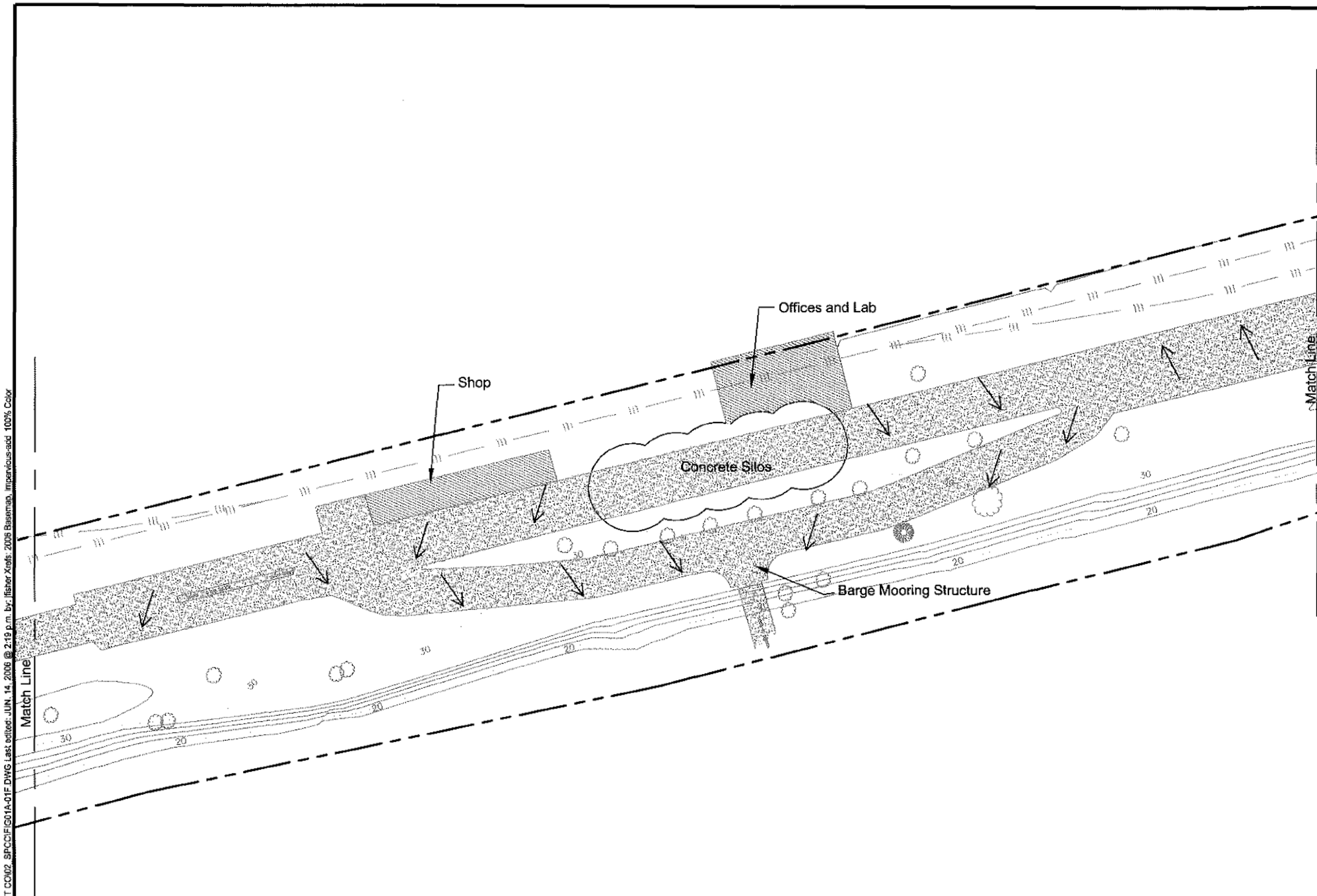
File: G:\0168.01 ASH GROVE CEMENT CO\02_SPCC\FIG\01A-01F.DWG Last edited: JUN. 14, 2006 @ 2:19 p.m. by: jfisher Xrefs: 2006 Basemap, Impervious-add 100% Color

Layout: 4 Project: 0168.01.02 Drawn By: J. Fisher Approved By: A. Clary

Figure 1E

Ash Grove Cement Co.
Portland, Oregon



Legend:
- Property Boundary
- Fence
- Railroad Tracks
- Direction of Surface Water Flow
- Concrete
- Buildings

0 50 100
FEET

Note:
Based on Alta Land Title survey by Caswell/Hertel Surveyors on Sept. 26, 2005, and updated in February 2006 and March 2006.

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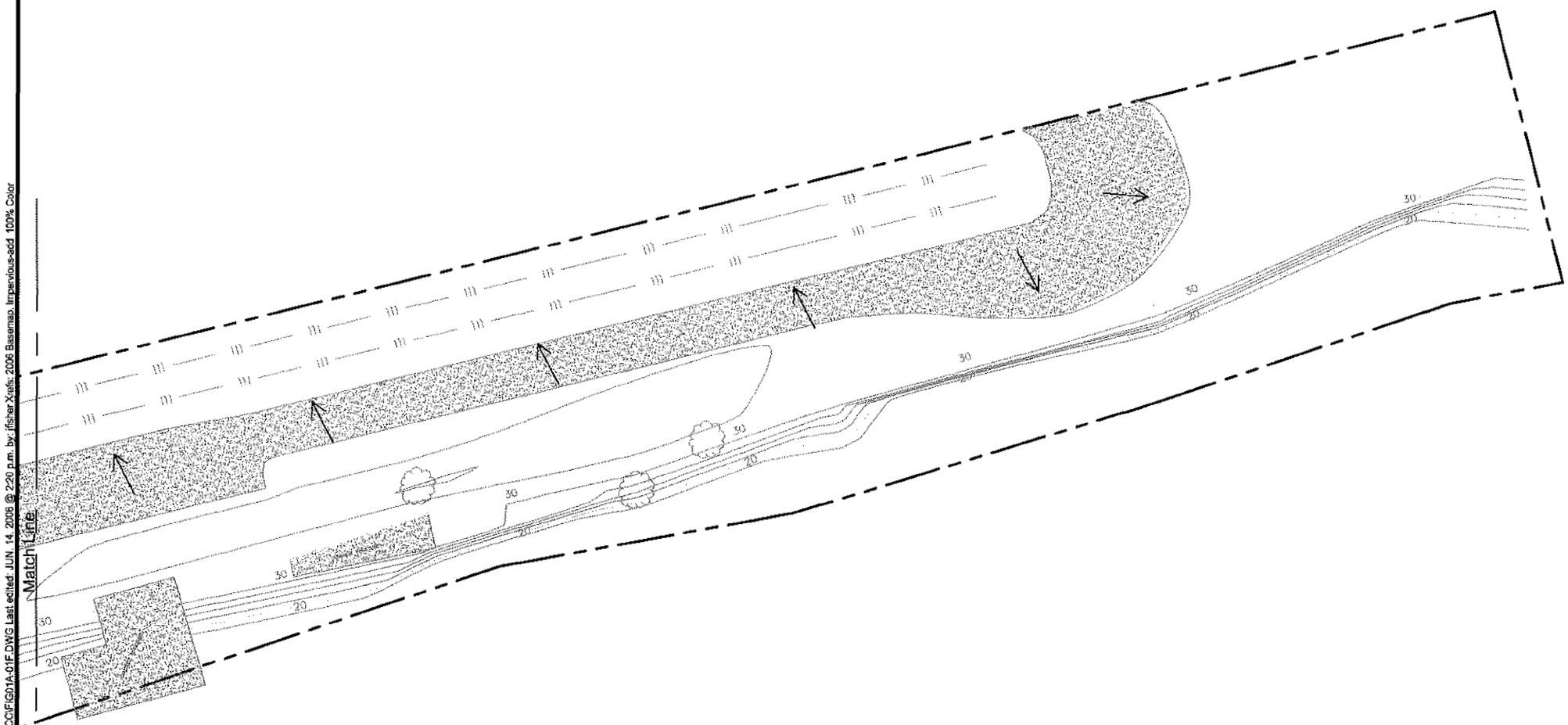
File: G:\0168.01 ASH GROVE CEMENT CO\02_SPCC\FIG01A-01F.DWG Last edited: JUN. 14, 2006 @ 2:19 p.m. by: jfisher Xrefs: 2006 Baseman, Impervious-add 100% Color

Layout: 5 Project: 0168.01.02 Drawn By: J. Fisher Approved By: A. Clary

Figure 1F

Ash Grove Cement Co.
Portland, Oregon



Legend:
- Property Boundary
- Fence
- Railroad Tracks
- Direction of Surface Water Flow
- Concrete

0 50 100
FEET

Note:
Based on Alta Land Title survey by Caswell/Hertel Surveyors on Sept. 26, 2005, and updated in February 2006 and March 2006.

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File: G:\0188.01 ASH GROVE CEMENT CO\02_SPCC\FIG\01A-01F.DWG Last edited: JUN. 14, 2006 @ 2:20 p.m. by: jfisher Xrefs: 2006 Basemap, Impervious-add, 100% Color

Layout: 6 Project: 0188.01.02 Drawn By: J. Fisher Approved By: A. Clary

APPENDIX 2

VISUAL INSPECTION CHECKLIST FOR PETROLEUM USE AND STORAGE AREAS

Inspector:_____ Date:_____

Monthly Visual Equipment and Storage Area Inspection Checklist
7-bay garage petroleum storage area Check tanks and containers for leaks, specifically looking for: Check (√) in OK, (X) If not ___ Drip marks, (evidence of overflow) ___ Discoloration on the tanks, ___ Puddles of oil on the ground, ___ Signs of corrosion or rust on 300-gallon used oil tank, ___ Cracks, or ___ Condition of 55-gallon drums ___ Condition of other containers Check floor for: ___ Cracks, ___ Discoloration, ___ Puddles of oil on the ground, ___ Settling ___ Condition of secondary containment Check Spill control equipment ___ Adequate inventory, readily accessible, spill kits in place at 7-bay garage, fueling area and admin shop building
500-gallon diesel fuel tank and containment area Check tanks for leaks, specifically looking for: Check (√) in OK, (X) If not ___ Drip marks, (evidence of overflow) ___ Discoloration on the tanks, ___ Puddles of oil on the ground, ___ Signs of corrosion or rust, ___ Cracks ___ Presence of liquid inside double-walled tank Check floor and containment for: ___ Cracks, ___ Discoloration, ___ Puddles of oil on the ground, ___ Settling, ___ Gaps between the tank and the foundation ___ Damage caused by vegetation roots. ___ Localized dead vegetation. ___ Accumulated stormwater, evidence of sheen
Railcar indexer hydraulic reservoirs (2 each, east and west of railcar load-out tracks) and transformer east of admin shop area: Drip marks, (evidence of overflow) ___ Discoloration on the hydraulic reservoir or transformer, ___ Puddles of oil on the ground, ___ Condition of hydraulic hoses ___ Signs of corrosion or rust, ___ Cracks ___ Presence of liquid inside double-walled tank Check floor and containment for: ___ Cracks, ___ Discoloration, ___ Puddles of oil on the ground, ___ Settling, ___ Gaps between the tank and the foundation ___ Damage ___ Localized dead vegetation. ___ Accumulated stormwater, evidence of sheen ___ Discoloration on piping, ___ Signs of seepage at valves, flanges and seals

Correctiveaction:_____

_____

APPENDIX 3

SPILL NOTIFICATION FORM

This form is to be completed and notification made when a spill of petroleum occurs outside of secondary containment structure in excess of 42 gallons **or** when a spill causes a sheen to waters of the US. Oral notifications bust be made within 15 minutes of determining a reportable event.

SPILL RESPONSE NOTIFICATION FORM*

Report the following information to National, State and Local Agencies.

National Response Center:	(800) 424-8802	Contact:	Time:
Oregon Emergency Management Service	(800) 452-0311	Contact:	Time:
Local Agencies	911	Contact:	Time:

Reporter's Name:_____ Reporter's Date: ____

Company:_____ Position:_____ Phone:_____

Address:_____ City:_____ State:___ Zip:_____

Were materials released? (Y/N)__ **Responsible party** name:_____ Contact: Y/N

Has Release Migrated Offsite? (Y/N)__ Phone:_____ Organization:_____

INCIDENT DESCRIPTION

Location of Incident:_____ Address:_____

Nearest City:_____ Distance to City:_____

Source and/or Cause of Incident: Date:_____ Time:_____ (AM/PM)

Description:_____

Direction of Spill Movement:_____ Speed Estimate_____

Failed Container: Type: (Above Ground/ Below Ground/ Unknown) Other:_____

Container Capacity:_____ Facility capacity:_____

Environmental Conditions: Wind Direction:_____ Wind Speed:_____

Current Direction:____ Current Speed:_____

MATERIAL DESCRIPTION

Material type:	Material Released:	Quantity:	Released to Water:	Quantity:
1.		(gal)	(Y/N)	(gal)
2.		(gal)	(Y/N)	(gal)
3.		(gal)	(Y/N)	(gal)

RESPONSE ACTION

Description of Actions Taken to Correct, Control, or Mitigate Incident:

_____

_____

Discharge Stopped: (Y/N) Rate of Continuing Release:

Impact Number of Injuries:_____ Number of Deaths:_____

Evacuations: (Y/N) Number Evacuated:_____

Damage: (Y/N) Damage Estimate in Dollars:_____

Description of Damage:

Use reverse side to record information not reported elsewhere.

* It is not necessary to wait for all information before calling the NRC.

APPENDIX 4

PROCEDURE FOR REMOVING RAINWATER FROM SECONDARY CONTAINMENT

Removing Rainwater from Oil Storage Containments

Standard Operating Procedure

This procedure provides instruction on removing rainwater from Oil Storage Area containments. Workers who will do the actual observation and pumping must be trained by the Terminal Manager or their designee. No one will be permitted to do the observation and pumping unless they have been trained **and the training is documented**.

All rainwater must be removed by opening the drain valve or with a portable pump. It is not permitted to leave a drain valve open or remove rain water with an automatically operated "sump pump".

Before any water can be pumped from the containment structure it must be inspected for any signs of contamination. Signs of contamination by oil may included discoloration, but usually is a visible sheen on the surface. **Do not pump any water that shows any signs of visible oil contamination.** Contact the Terminal Manager if you find any oil contamination.

Remove any oil with absorbent pads, then drain or pump clean water from the containment. Document corrective action taken in the comments section of the log in the event that oil contamination is observed.

Storm Water Transfer Log
Oil Storage/Use Containment Areas

Date	Name of observer	Observation (√) if OK; (x) if not, specify corrective action. Check for evidence of discolored water, visible sheen, floating oil, etc.				Corrective action taken if visual quality is not acceptable
		Diesel fueling area	Railcar indexer (east)	Railcar indexer (west)	Transformer adjacent to admin bldg.	

Report for Portland Unload Stormwater Samples

Date of Samples: 12-17-02

Parameter	Analysis	
Total Copper (Cu)	<0.01	mg/l
Total Lead (Pb)	0.01	mg/l
Total Zinc (Zn)	0.10	mg/l
pH (Field pH)	7.3	SU
Total Suspended Solids (TSS)	4.2	mg/l
Total Oil & Grease (O&G)	.806	mg/l
Temperature (Field Temp.)		°F

Visual Monitoring of Storm Water while Discharging

DATE:	Oil & Grease Sheen (Y/N)	Floating Solids (Y/N)
JAN		
FEB		
MAR		
APR		
MAY		
JUN		
JUL		
AUG		
SEP		
OCT		
NOV		
DEC		

Portland Unload Weekly Hazardous Material Inspection

Inspection Week: 1-30-2006	
Product Inventory Sheet, Portland Unloading	**Ash Grove Cement Company 4098 N. Port Center Way Portland, OR. 97224**
Inspection Work Order Number:	**Inspection Date: 1-30-2006**
Performed by:	**Employee Clock Number: John Hone**
Employee Signature:	**File Name:**

Location	Number	Size of Container	Leaks	No Leaks	Comments
Tractor Bay				x	
Waste Oil Storage		300 gal		x	
Bulk Diesel Storage		500 gal		x	
Waste Paint Drum	1	35 gal		x	
Electric Shop				x	
Warehouse Storage				x	
Oil Storage				x	
Machine Room				x	
Oxygen Storage				x	
Acetylene Storage				x	

#4 Storm Drain Sump, Inches of ore sludge: 0

Waste Floor Dry Barrel:

OUTFALLS:	**Rock sump #1:**	**Storm rain UP RR #2**	**Rock sump #3:**
Main sump by dumpster #4	**Rock sump #7:**	**Rock sump #8**	**Rock sump#9**

Weather at time of survey: Raining Hard

Weather the previous 12 hours: Very rainy

Portland Unload Weekly Hazardous Material Inspection

Inspection Week: 2-6-2006	
Product Inventory Sheet, Portland Unloading	**Ash Grove Cement Company 4098 N. Port Center Way Portland, OR. 97224**
Inspection Work Order Number:	**Inspection Date: 2-10-2006**
Performed by: JOHN HONE	**Employee Clock Number:**
Employee Signature:	**File Name: HZ**

Location	Number	Size of Container	Leaks	No Leaks	Comments
Tractor Bay				x	
Waste Oil Storage		300 gal		x	
Bulk Diesel Storage		500 gal		x	
Waste Paint Drum	1	35 gal		x	
Electric Shop				x	
Warehouse Storage				x	
Oil Storage				x	
Machine Room				x	
Oxygen Storage				x	
Acetylene Storage				x	

#4 Storm Drain Sump, Inches of ore sludge: 1-2”

Waste Floor Dry Barrel:

OUTFALLS:	**Rock sump #1:**	**Storm rain UP RR #2**	**Rock sump #3:**
Main sump by dumpster #4	**Rock sump #7:**	**Rock sump #8**	**Rock sump#9**

Weather at time of survey: 12:00PM

Weather the previous 12 hours: DRY

Portland Unload Weekly Hazardous Material Inspection

Inspection Week: **2-27-2006**	
Product Inventory Sheet, Portland Unloading	**Ash Grove Cement Company 4098 N. Port Center Way** **Portland, OR. 97224**
Inspection Work Order Number:	**Inspection Date:** **2-28-2006**
Performed by: JOHN HONE	**Employee Clock Number:**
Employee Signature:	**File Name: HZ**

Location	Number	Size of Container	Leaks	No Leaks	Comments
Tractor Bay				x	
Waste Oil Storage		**300 gal**		x	
Bulk Diesel Storage		**500 gal**		x	
Waste Paint Drum	**1**	**35 gal**		x	
Electric Shop				x	
Warehouse Storage				x	
Oil Storage				x	
Machine Room				x	
Oxygen Storage				x	
Acetylene Storage				x	

#4 Storm Drain Sump, Inches of ore sludge: 1-2”

Waste Floor Dry Barrel:

OUTFALLS:	**Rock sump #1:**	**Storm rain UP RR #2**	**Rock sump #3:**
Main sump by dumpster #4	**Rock sump #7:**	**Rock sump #8**	**Rock sump#9**

Weather at time of survey: Raining

Weather the previous 12 hours: Raining

Portland Unload Weekly Hazardous Material Inspection

Inspection Week: **3-20-2006**	
Product Inventory Sheet, Portland Unloading	**Ash Grove Cement Company 4098 N. Port Center Way** **Portland, OR. 97224**
Inspection Work Order Number:	**Inspection Date:** **3-21-2006**
Performed by: JOHN HONE	**Employee Clock Number:**
Employee Signature:John hone	**File Name: HZ**

Location	Number	Size of Container	Leaks	No Leaks	Comments
Tractor Bay				x	
Waste Oil Storage		**300 gal**		x	
Bulk Diesel Storage		**500 gal**		x	
Waste Paint Drum	**1**	**35 gal**		x	
Electric Shop				x	
Warehouse Storage				x	
Oil Storage				x	
Machine Room				x	
Oxygen Storage				x	
Acetylene Storage				x	

#4 Storm Drain Sump, Inches of ore sludge: 2”

Waste Floor Dry Barrel:

OUTFALLS:	**Rock sump #1:**	**Storm rain UP RR #2**	**Rock sump #3:**
Main sump by dumpster #4	**Rock sump #7:**	**Rock sump #8**	**Rock sump#9**

Weather at time of survey: sprinkle

Weather the previous 12 hours: Raining off and on

Portland Unload Weekly Hazardous Material Inspection

Inspection Week: **3-27-2006**	
Product Inventory Sheet, Portland Unloading	**Ash Grove Cement Company 4098 N. Port Center Way** **Portland, OR. 97224**
Inspection Work Order Number:	**Inspection Date:** **3-28-2006**
Performed by: JOHN HONE	**Employee Clock Number:**
Employee Signature:John hone	**File Name: HZ**

Location	Number	Size of Container	Leaks	No Leaks	Comments
Tractor Bay				x	
Waste Oil Storage		300 gal		x	
Bulk Diesel Storage		500 gal		x	
Waste Paint Drum	1	35 gal		x	
Electric Shop				x	
Warehouse Storage				x	
Oil Storage				x	
Machine Room				x	
Oxygen Storage				x	
Acetylene Storage				x	

#4 Storm Drain Sump, Inches of ore sludge: 2”

Waste Floor Dry Barrel:

OUTFALLS:	**Rock sump #1:**	**Storm rain UP RR #2**	**Rock sump #3:**
Main sump by dumpster #4	**Rock sump #7:**	**Rock sump #8**	**Rock sump#9**

Weather at time of survey: dry

Weather the previous 12 hours: Raining off and on

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7223 NE Hazel Dell Avenue, Suite B | Vancouver, Washington 98665 | Phone 360.694.2691 | Fax 360.906.1958 | www.MFAinc.org

10 CELEBRATING YEARS 1996-2006

April 24, 2006
Project 0168.01.02

Mr. Bob Vantuyl
Ash Grove Cement Company
P.O. Box 25900
Overland Park, Kansas 66225

Re: Rock Sump Evaluation

Dear Mr. Vantuyl:

Maul Foster & Alongi, Inc. (MFA) is pleased to provide you this evaluation of eight outfalls and four rock sumps near the Ash Grove Cement Company facility located at 2600 N. River Street, Portland, OR. As you know, this evaluation was completed to address questions raised by an underground injection control (UIC) registration form that was completed by Goldendale Aluminum Company (Goldendale) when they owned the site. Goldendale apparently completed the application based on a comment in a letter dated April 6, 2005 from the City of Portland Bureau of Environmental Services (BES) to Wayne Wooster of Goldendale that said the rock sumps noted in the site's Storm Water Pollution Control Plan (SWPCP) may be considered UICs.

DOCUMENT REVIEW

MFA obtained a base map from Westmar Consultants (see Figures 1 and 2) and reviewed a survey of the facility from Caswell/Hertel Surveyors Inc. dated September 26, 2005. The survey from Caswell/Hertel indicates a rock sump located directly east of Outfall 1 (see Figure 1). Bob White at Caswell/Hertel stated that the rock sump designation was an assumed label for a rocky area and was not based on any specific research.

MFA reviewed past reports and maps provided by Goldendale Aluminum to assess the approximate location and discharge points of the rock sumps. A historical map dated December 2000 shows four rock sumps located east of the fence along River Street, with the rock sumps each connected to separate outfalls to the Willamette River (Outfalls 1, 3, 7, and 8, see Figure 3 from Goldendale). The 2000 map shows the site stormwater collection system discharging to Outfall 4 and Union Pacific Rail Road stormwater discharging to Outfall 2. It shows Outfalls 5 and 6 as capped. Another map from a preliminary assessment report dated March 2000 shows two rock sumps west of the fence and two rock sumps east of the fence, with all four rock sumps connected to separate

outfalls (see CH2MHILL Figure 2-2). However, a map from Goldendale's SWPCP dated December 2001 shows only the two rock sumps west of the fence, with one rock sump discharging to Outfall 4 and the other rock sump with apparently no discharge point (see CH2MHILL Figure 3).

MFA also reviewed site construction drawings from 1981 that were recently provided to MFA by Westmar (see Martin Marietta Aluminum Drawing Number 7790-36-101 and 7790-36-102). These drawings show 12-inch galvanized corrugated metal pipes in the location of Outfall 1 and 3. The pipes terminate at the east end of the site in galvanized end sections to collect surface water east of the site for discharge to the Willamette River. No infiltration systems are shown on the construction drawings.

SITE OBSERVATIONS AND UTILITY LOCATE

MFA personnel conducted multiple site visits to assess site conditions. The six existing outfalls (1, 2, 3, 4, 7, and 8) depicted on the site maps are visible along the bank of the site. MFA observed no evidence of any stormwater structures at the locations west of the fence that were designated as rock sumps in the CH2MHill maps.

Locates Down Under Inc. completed a utility locate on February 3, 2006, to determine the direction and length of five of the existing outfalls (1, 2, 3, 7, and 8). Following the utility locate, the termination point of the outfall piping was flagged and later surveyed by Caswell/ Hertel. All five outfalls were determined to run to points outside the facility fence, as shown on the attached figures and described further below. Pipeline Video and Cleaning LLC completed a second utility locate and video inspection on March 28, 2006, to determine the direction and length of piping connected to two catch basins east of the rail car load out building and to further investigate Outfall 7.

FINDINGS

The results of the mapping review, utility locates, and site observations are summarized below.

Outfall 1

A 12-inch Corrugated Metal Pipe (CMP) runs northeast from Outfall 1 and across the property. The locater lost the signal for the pipe at approximately 6 feet east of the fence line. Ash Grove staff excavated the area where the signal was lost and discovered the pipe termination approximately 18" below ground surface. The termination point consisted of a

fanned corrugated metal collector filled with angular rocks (see Photograph 1). It is assumed that this collector is what is referred to as the "rock sump" on many of the site maps. Ash Grove staff has determined that the collector lies just outside of the property line, based on the physical location of survey boundary corner stakes at the site (see Figure 1). There is no evidence of a UIC at this location.

Outfall 2

A 30-inch CMP storm drain runs northeast from Outfall 2, through a manhole located on the Ash Grove site to a manhole located outside the fence line and continues to the northeast (See Figure 1). The line discharges stormwater from the adjacent Union Pacific Railroad (UPRR) property to the Willamette River. No stormwater from the Ash Grove site enters the line. UPRR maintains an easement on the line. Details regarding this easement may be found in the Multnomah County Easement Record (book 68, pages 362-367; June 9th 1984).

Outfall 3

A 12-inch CMP runs northeast from Outfall 3 and across the property. During the utility locate, the signal was lost approximately 2 feet outside the fence line at a location outside the property line (see Figure 2). It is assumed that a metal rock sump collector, similar to the one that discharges to Outfall 1, is located at the termination line and that there is no UIC system.

Outfall 4

Based on the review of historical drawings, Outfall 4 discharges stormwater from the site out to the Willamette River. The discharges from this outfall are permitted under the site's National Pollutant Discharge Elimination System permit. There was no evidence of a UIC system associated with Outfall 4.

Outfalls 5 and 6

Goldendale site drawings show Outfalls 5 and 6 as being capped (see Goldendale's Figure 3). Ash Grove personnel have also verified that they have seen these outfalls capped at the bank of the river. MFA did not investigate these outfalls.

Outfall 7

An 8-inch CMP runs east from Outfall 7 along the north silo to the edge of the concrete pad and then bends in a northeast direction (see Figure 2). The pipeline video confirmed

that the pipe does bend in a northeast direction approximately 46 feet upstream of the end of the outfall. The pipe seam at the bend has separated and bare earth can be seen in the video. It is probable that stormwater flowing through the pipe is infiltrating into the ground at this point. Based on the utility locate by Locates Down Under, the storm drain appeared to end at the water valve box outside the fence line. An investigation of the water valve box by Ash Grove staff indicated that the outfall line does not connect to the valve box. The water valve box lies outside the property line and it is assumed that a metal rock sump collector, similar to the one that discharges to Outfall 1 is located in close proximity to the vault and that there is no UIC system at this location.

Outfall 8

A CMP runs northeast from Outfall 8, under the south silo, and across the property (see Figure 2). During the utility locate, the signal was lost approximately 3 feet outside the fence line at a location that appears to be outside the property line. It is assumed that a metal rock sump collector, similar to the one that discharges to Outfall 1 is located at the termination line and that there is no UIC system at this location.

Catch Basins East of Rail Car Load Out Building

Two catch basins lie east of site near the load out building (see Figure 2). Water entering these catch basins is primarily from the nearby road. However water from the downspout located at the northeast corner of the load out building flows onto the ground and overland into the catch basin. Stormwater from the paved surface between the rail line and the fence east of the south rail car mover also runs into the catch basin (see Figure 2).

The pipeline video determined that the catch basins are connected by a 6-inch polyvinylchloride (PVC) pipe. The north catch basin also has a 10-inch concrete discharge pipe running in a northwesterly direction. The concrete pipe was videoed to approximately 47 feet before debris hindered the inspection. The pipe is oriented toward the termination point of Outfall 3 and may discharge to Outfall 3; however, the discharge point of the 10-inch pipe is unknown.

SUMMARY

MFA has determined that outfalls labeled as 1, 2, 3, 7, and 8 all lead to points outside the Ash Grove Loading facility property line (see Figure 1). Based on the information available, it appears likely that four rock sumps consisting of fan collectors filled with rock are located at the termination points of Outfalls 1, 3, 7, and 8 and that no UIC units

are associated with the outfalls. MFA recommends that Ash Grove withdraw the UIC application from the DEQ.

Stormwater from the Ash Grove facility does not flow toward the rock sumps or the UPRR property with the exception of runoff from the downspout from the rail car load out building that discharges into the nearby catch basin and stormwater flowing from the paved surface between the rail line and the fence east of the south rail car mover (see Figure 2). Stormwater at both locations should be rerouted and contained on site.

An NPDES permit may be required for the discharges from the rock sump collectors. MFA recommends that Ash Grove consider coordination with UPRR to address the discharges from the four rock sump collectors located outside the property line to Outfalls 1, 3, 7, and 8, and repair of the piping discharging to Outfall 7.

Sincerely,

Maul Foster & Alongi, Inc.

Alistaire Clary, P.E.
Senior Engineer

Michael Rounds, E.I.T
Staff Engineer

Attachments: Limitations
Figures 1 and 2
Goldendale Aluminum Figure 3
CH2MHill Figures 2- Stormwater from the Ash Grove facility does not flow toward the rock sumps or the UPRR property with the exception of runoff from the downspout from the rail car load out building that discharges into the nearby catch basin and stormwater flowing from the paved surface between the rail line and the fence east of the south rail car mover (see Figure 2). 2, and 3
Martin Marietta Aluminum Drawings 7790-36-101 and 7790-36-102
Photograph 1

cc: Glen Dollar, Ash Grove Cement
John Hone, Ash Grove Cement

R:\0168.01 Ash Grove Cement Co\Report\02_Rock Sump Evaluation 4.24.06\Lf-B.Vantuyl.doc-95\vgc:1

LIMITATIONS

The services described in this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, express or implied, is made. These services were performed consistent with our agreement with our client. This report is solely for the use and information of our client unless otherwise noted. Any reliance on this report by a third party is at such party's sole risk.

Opinions and recommendations contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, nor the use of segregated portions of this report.

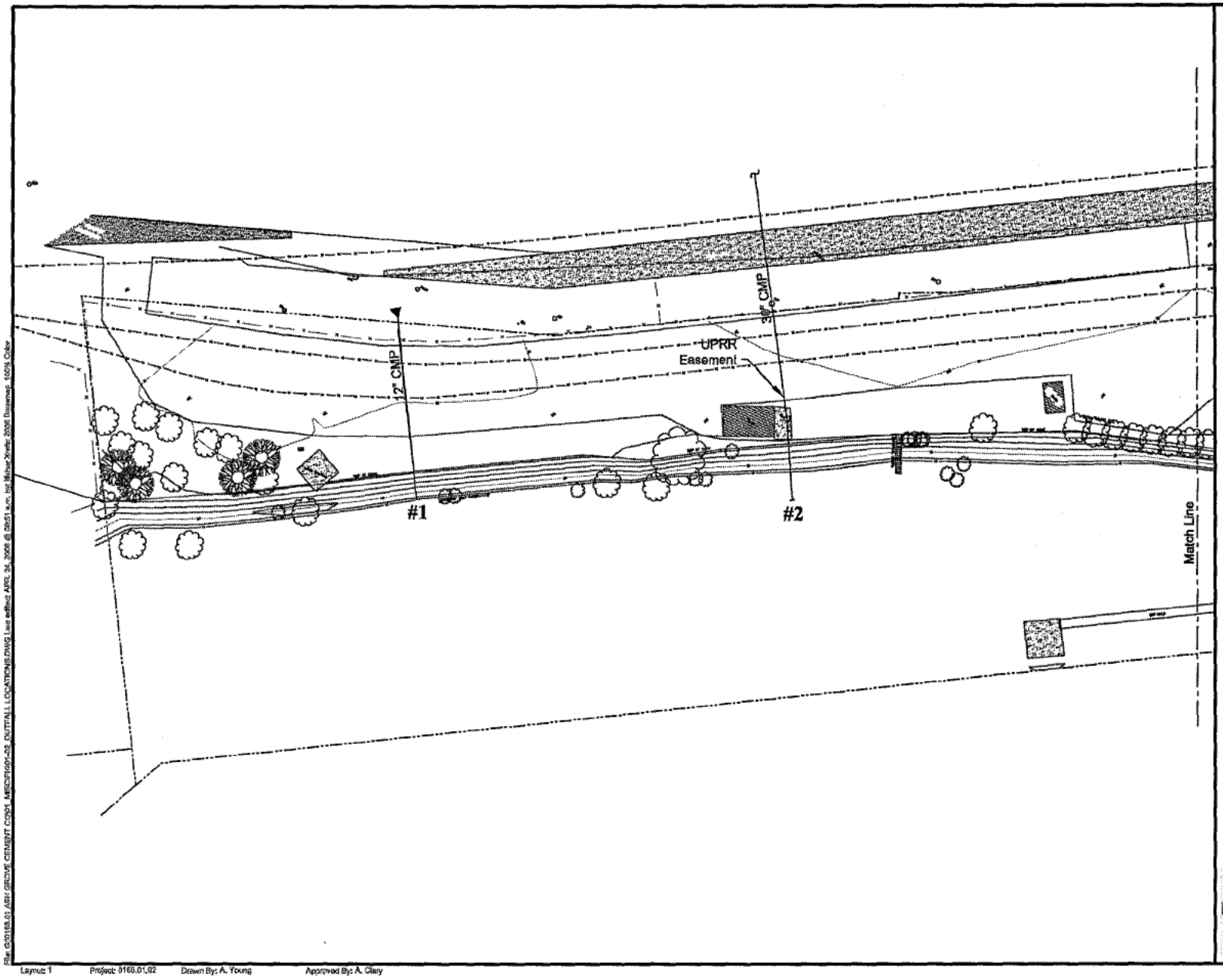


Figure 1
Existing Conditions

Ash Grove Cement Co.
Portland, Oregon

Legend:
- Property Boundary
- Fence
- Stormwater lines by utility locate on 02/03/06 by Locates Down Under.
- #2 Outfall Location and Designation
- Rock Sump

Note:
Based on Alta Land Title survey by Caswell/Hertel Surveyors on Sept. 26, 2005, and updated in February 2006 and March 2006.

N

0 50 100
FEET

MAUL FOSTER ALONGI INC
ENVIRONMENTAL & ENGINEERING CONSULTANTS

Layout: 1 Project: 0169.01.02 Drawn By: A. Young Approved By: A. Clary

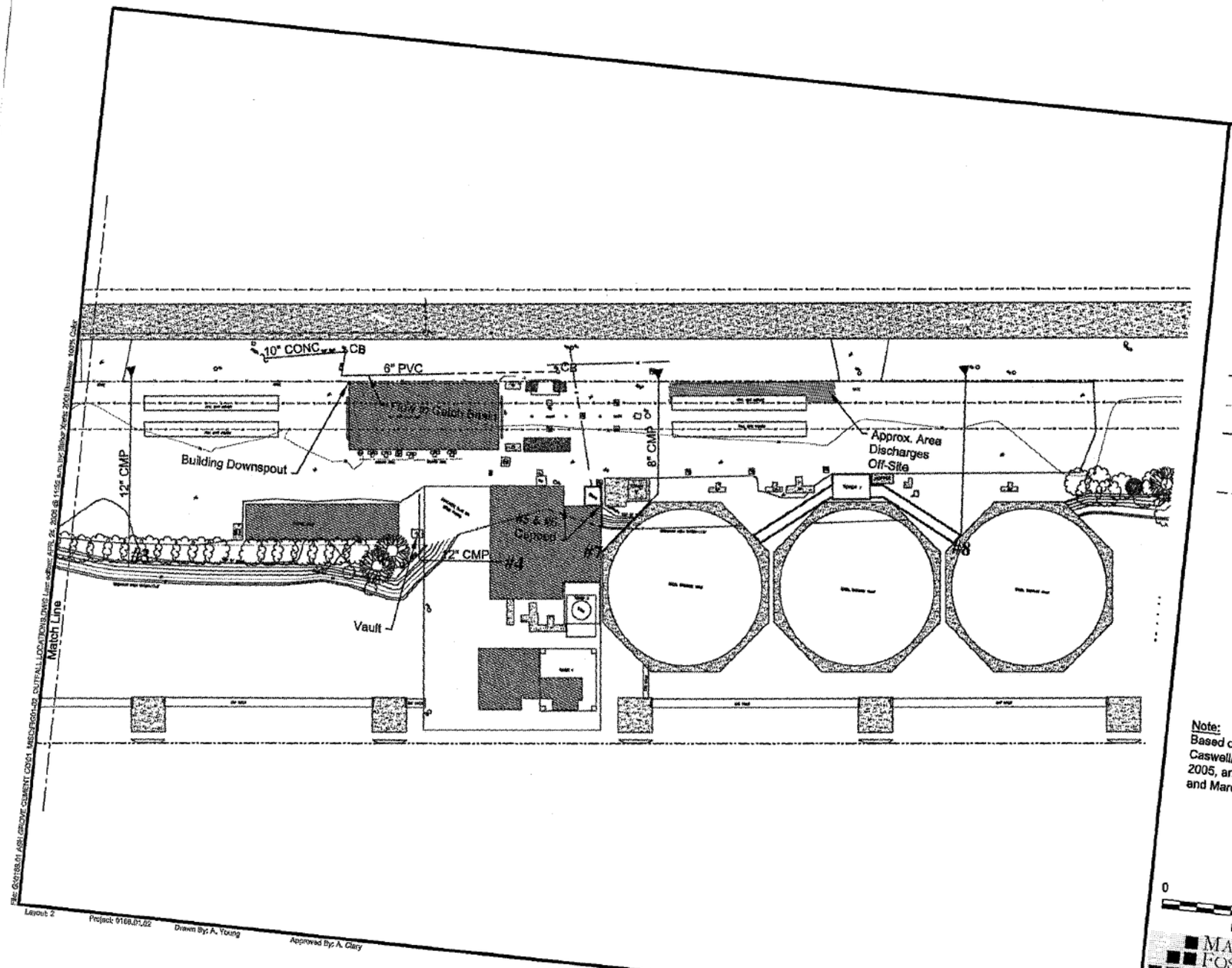


Figure 2
Existing Conditions

Ash Grove Cement Co.
Portland, Oregon

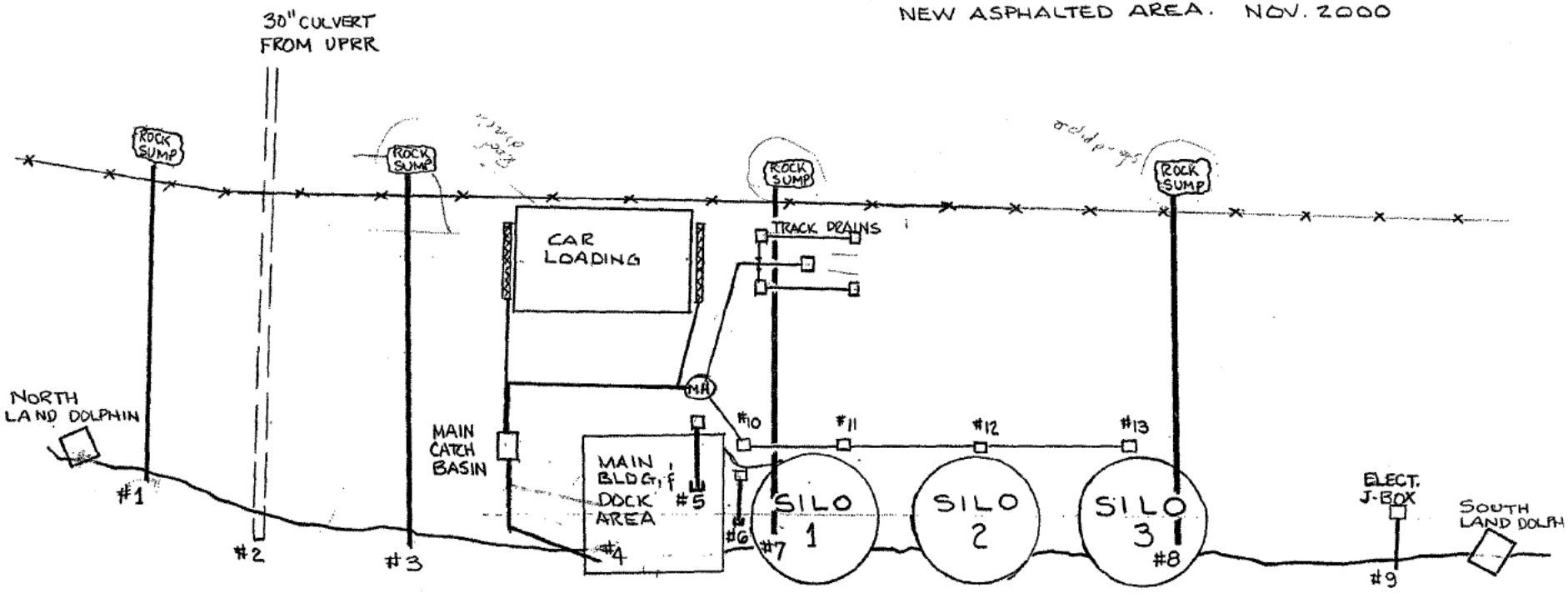
Legend:
- Property Boundary
- Fence
- Stormwater lines by utility locate on 02/03/06 by Locates Down Under.
- Stormwater lines by utility locate 03/28/06 by Pipeline Video & Cleaning. Locations are approximate and are not surveyed.
- #2 Outfall Location and Designation
- Rock Sump

Note:
Based on Alta Land Title survey by Caswell/Hertel Surveyors on Sept. 26, 2005, and updated in February 2006 and March 2006.

0 50 100
FEET

MAUL FOSTER ALONGI INC.
Environmental & Engineering Consultants
Vancouver, WA | Portland, OR | www.mfainw.com

NOTES:
1) #5 & #6 DRAINS CAPPED & PLUGGED NOV. 2000
2) #10-#11-#12-#13 ADDED TO CATCH RUNOFF FROM NEW ASPHALTED AREA. NOV. 2000



REVISED 12/4/00 BY D. KANNARD
RE DRAWN 9/28/05 BY B. PALMER

OUTFALL DRAIN PLAN

Portland Unload Weekly Hazardous Material Inspection

Inspection Week: **5-8-06**	
Product Inventory Sheet, Portland Unloading	**Ash Grove Cement Company 4098 N. Port Center Way** **Portland, OR. 97224**
Inspection Work Order Number:	**Inspection Date:** **5-8-2006**
Performed by: JOHN HONE	**Employee Clock Number:**
Employee Signature:John hone	**File Name: HZ**

Location	Number	Size of Container	Leaks	No Leaks	Comments
Tractor Bay				x	
Waste Oil Storage		**300 gal**		x	
Bulk Diesel Storage		**500 gal**		x	
Waste Paint Drum	**1**	**35 gal**		x	
Electric Shop				x	
Warehouse Storage				x	
Oil Storage				x	
Machine Room				x	
Oxygen Storage				x	
Acetylene Storage				x	

#4 Storm Drain Sump, Inches of ore sludge: 2”

Waste Floor Dry Barrel:

OUTFALLS:	**Rock sump #1:**	**Storm rain UP RR #2**	**Rock sump #3:**
Main sump by dumpster #4	**Rock sump #7:**	**Rock sump #8**	**Rock sump#9**

Weather at time of survey: sprinkle

Weather the previous 12 hours: Raining off and on

Portland Unload Weekly Hazardous Material Inspection

Inspection Week: **6-21-2006**	
Product Inventory Sheet, Portland Unloading	**Ash Grove Cement Company 4098 N. Port Center Way** **Portland, OR. 97224**
Inspection Work Order Number:	**Inspection Date:** **6-21-2006**
Performed by: JOHN HONE	**Employee Clock Number:**
Employee Signature:John hone	**File Name: HZ**

Location	Number	Size of Container	Leaks	No Leaks	Comments
Tractor Bay				x	
Waste Oil Storage		**300 gal**		x	
Bulk Diesel Storage		**500 gal**		x	
Waste Paint Drum	**1**	**35 gal**		x	
Electric Shop				x	
Warehouse Storage				x	
Oil Storage				x	
Machine Room				x	
Oxygen Storage				x	
Acetylene Storage				x	

#4 Storm Drain Sump, Inches of ore sludge: 3”

Waste Floor Dry Barrel:

OUTFALLS:	**Rock sump #1:**	**Storm rain UP RR #2**	**Rock sump #3:**
Main sump by dumpster #4	**Rock sump #7:**	**Rock sump #8**	**Rock sump#9**

Weather at time of survey: Dry

Dry

Portland Unload Weekly Hazardous Material Inspection

Inspection Week: **7-7-2006**	
Product Inventory Sheet, Portland Unloading	**Ash Grove Cement Company 4098 N. Port Center Way** **Portland, OR. 97224**
Inspection Work Order Number:	**Inspection Date:** **7-6-2006**
Performed by: JOHN HONE	**Employee Clock Number:**
Employee Signature:John hone	**File Name: HZ**

Location	Number	Size of Container	Leaks	No Leaks	Comments
Tractor Bay				x	
Waste Oil Storage		**300 gal**		x	
Bulk Diesel Storage		**500 gal**		x	
Waste Paint Drum	**1**	**35 gal**		x	
Electric Shop				x	
Warehouse Storage				x	
Oil Storage				x	
Machine Room				x	
Oxygen Storage				x	
Acetylene Storage				x	

#4 Storm Drain Sump, Inches of ore sludge: 3”

Waste Floor Dry Barrel:

OUTFALLS:	**Rock sump #1:**	**Storm rain UP RR #2**	**Rock sump #3:**
Main sump by dumpster #4	**Rock sump #7:**	**Rock sump #8**	**Rock sump#9**

Weather at time of survey: Dry

Dry

Portland Unload Weekly Hazardous Material Inspection

Inspection Week: **8-20-2006**	
Product Inventory Sheet, Portland Unloading	**Ash Grove Cement Company 4098 N. Port Center Way** **Portland, OR. 97224**
Inspection Work Order Number:	**Inspection Date:** **8-20-2006**
Performed by: JOHN HONE	**Employee Clock Number:**
Employee Signature:John hone	**File Name: HZ**

Location	Number	Size of Container	Leaks	No Leaks	Comments
Tractor Bay				x	
Waste Oil Storage		**300 gal**		x	
Bulk Diesel Storage		**500 gal**		x	
Waste Paint Drum	**1**	**35 gal**		x	
Electric Shop				x	
Warehouse Storage				x	
Oil Storage				x	
Machine Room				x	
Oxygen Storage				x	
Acetylene Storage				x	

#4 Storm Drain Sump, Inches of ore sludge: 3”

Waste Floor Dry Barrel:

OUTFALLS:	**Rock sump #1:**	**Storm rain UP RR #2**	**Rock sump #3:**
Main sump by dumpster #4	**Rock sump #7:**	**Rock sump #8**	**Rock sump#9**

Weather at time of survey: Dry

Dry

MAUL FOSTER ALONGI INC.
ENVIRONMENTAL & ENGINEERING CONSULTANTS
7223 NE Hazel Dell Avenue, Suite B | Vancouver, Washington 98665 | Phone 360.694.2691 | Fax 360.906.1958 | www.MFAinc.org

CELEBRATING 10 YEARS 1996-2006

August 21, 2006
Project No. 0168.01.02

Bob Vantuyl
Ash Grove Cement
3737 North Port Center Way
Portland, OR

Re: Status of Ash Grove Portland North Terminal stormwater system upgrades design

Dear Mr. Vantuyl:

Maul Foster and Alongi, Inc. (MFA) has prepared this letter to update the status of the stormwater treatment system upgrade design for the Ash Grove Cement North Terminal located at 3737 North Port Center Way, Portland, Oregon.

Concrete Dock Stormwater Conveyance

MFA met with Tom McLaughlin from Greenberry Industrial at the North Terminal on July 27, 2006, to discuss the conceptual designs and obtain a cost estimate for the work. As a result of this meeting, MFA has made changes to the original design. These changes were made due to constructability, cost, and safety issues that arose out of the July 27 site meeting. The updated design includes collection of stormwater from the concrete dock via scuppers placed along the west edge of the dock. Note that the number of scuppers will depend on the footprint of the new crane base being designed by Westmar. Stormwater will be routed through a pipe placed on the underside of the 2-foot-wide wooden bumper along the west end of the dock and then routed along the south edge of the concrete dock to the airlift pit. The pipe will discharge to the airlift pit through a core-drilled hole in the pit wall. The hole will be placed at an elevation above the high water line and will be grouted. Stormwater from the pit will be pumped to a nearby catch basin located east of the administration building (See Figure C1). This option will not interfere with structural beams under the dock. A cost estimate for collecting stormwater from the dock and conveying it to the airlift pit has been prepared by Greenberry Industrial. Greenberry estimates that the work will cost approximately $36,000.

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Airlift Pit Pump

An automatic pump with a float and alarm will be installed in the airlift pit sump to keep water below the intake. Based on measurements provided by Glenn Dollar of Ash Grove Cement, the airlift intake is 12 inches above the bottom of the pit. The pump will be set to turn on when the water level is 8.5 inches above the floor of the pit. This will allow approximately 410 cubic feet of storage in the pit before the pump turns on. A pump flow rate of 135 gallons per minute (gpm) will keep the water surface below the airlift intake during a 100-year storm event while not cycling on and off during lower flows. It would also be possible to use two pumps with a total combined flow of 135 gpm, but with only one pump turning on at a lower float elevation. The total dynamic head required to pump stormwater from the pit to the catch basin was calculated for three different pipe sizes. The total dynamic head requirements for 3-, 4- and 6-inch flexible discharge hose with a smooth bore and a flow rate of 135 gpm are estimated to be 27.5 feet, 19.5 feet, and 17 feet respectively. The pump can be sized based on the diameter of discharge pipe Ash Grove chooses to use. If Ash Grove desires, MFA could provide assistance with selection of a specific pump(s) or with reviewing Ash Grove's pump(s) selection.

Treatment System

WaterTectonics originally recommended installation of 50 feet of 4 inch pipe inside the perimeter of the existing vault to allow for greater contact time and better mixing of the carbonic acid. The pipe will be placed under the static water level in the vault. Based on excessive head loss and the potential for water to back up into the catch basins, MFA has changed the design to include 6" flexible hose with camlock fittings. The camlock fittings will allow better access for pipe cleaning. MFA has discussed the increase in pipe size with WaterTectonics. WaterTectonics has indicated that the cost impact would be minor.

As noted in MFA's status letter dated June 29, 2006, solids removal is not assumed to be necessary at this point. However, if stormwater from the site contains a lot of suspended concrete dust, then this piping may become clogged and compromise the effectiveness of the pH treatment system. If this happens, additional solids removal options may be required. A solids removal treatment system could be incorporated into the catch basins or a manhole upstream of vault. Alternatively, a second vault, possibly with filters, could be installed to capture solids from stormwater before it enters the pH treatment system.

Schedule

The pH system could be installed at any time. The lead time for WaterTectonics to install their system is generally 4 to 6 weeks. Greenberry will need to install a conduit between the garage and the existing vault before the pH system can be installed. In addition 120 VAC – 20 amp power will need to be supplied to the south wall of the garage. The dock work by Greenberry should be installed after the construction of the new crane base on the dock.

Please call if you have any questions. Otherwise, we look forward to talking with you during your trip to Portland on August 24.

Sincerely,

Maul Foster & Alongi, Inc.

Alistaire Clary, P.E.
Senior Engineer

Michael Rounds E.I.T.
Staff Engineer

Attachments: Figure C1

cc: Glenn Dollar
John Hone

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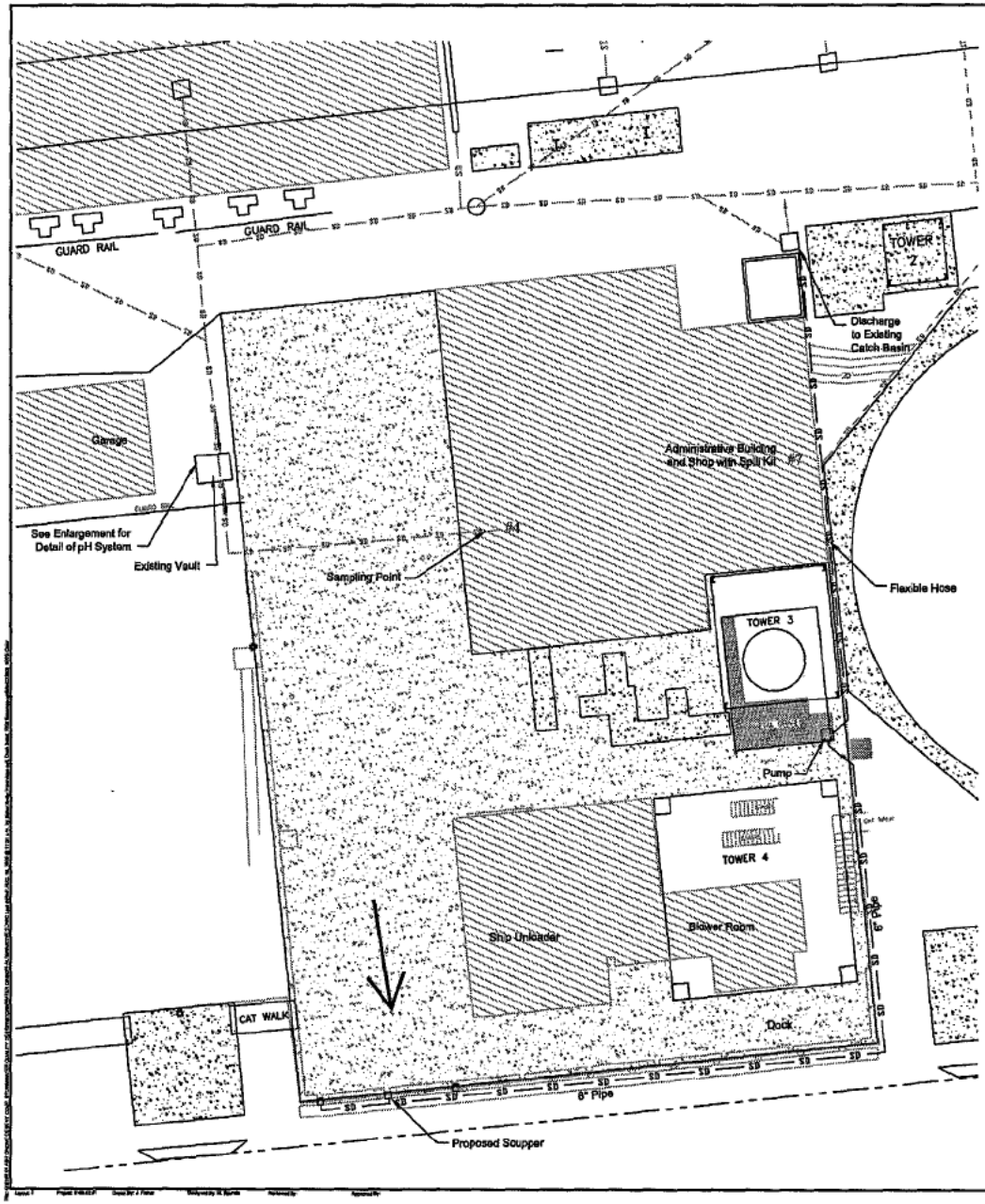
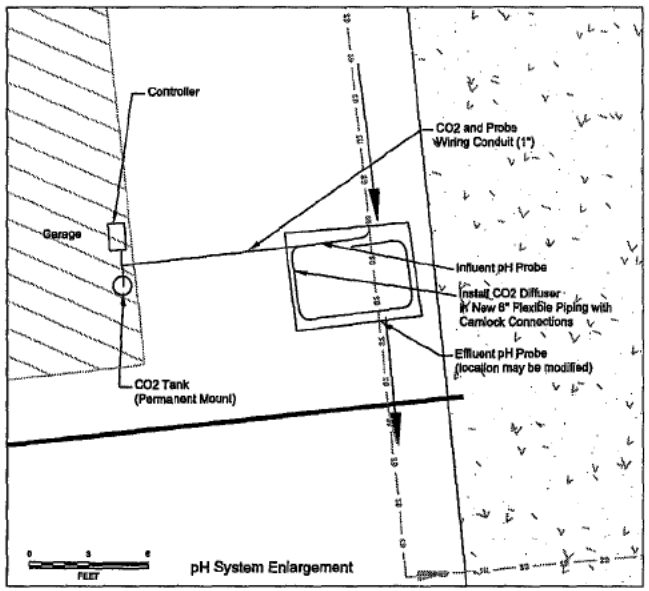




C1

Conceptual Stormwater Quality Design

Ash Grove Cement Co.
Portland, Oregon
Draft

Preliminary Plan
Not For Construction
Date of Issue:

REV	DATE	DESCRIPTION	DWN	DES	CHK	APP

Legend:
- Property Boundary
- Fence
- #2 Outfall Location and Designation
- Ash Grove Stormwater Line (configuration estimated)
- Proposed Stormwater Line
- Existing Catch Basin
- Existing Manhole
- Proposed Scupper
- Direction of Surface Water Flow
- Concrete
- Buildings

Note:
Based on Alta Land Title survey by Caswell/Hertel Surveyors on Sept. 26, 2005, and updated in February 2006 and March 2006.

0 10 20
FEET

Note: Bar is one inch on original drawing. If not one inch on this sheet, adjust scale accordingly.

MAUL FOSTER ALONGI INC.

Portland Unload Weekly Hazardous Material Inspection

Inspection Week: **10-16-2006**	
Product Inventory Sheet, Portland Unloading	**Ash Grove Cement Company 3737 N. Port Center Way** **Portland, OR. 97217**
Inspection Work Order Number:	**Inspection Date:** **10-18-2006**
Performed by: JOHN HONE	**Employee Clock Number:**
Employee Signature:John hone	**File Name: HZ**

Location	Number	Size of Container	Leaks	No Leaks	Comments
Tractor Bay				x	
Waste Oil Storage		300 gal		x	
Bulk Diesel Storage		500 gal		x	
Waste Paint Drum	1	35 gal		x	
Electric Shop				x	
Warehouse Storage				x	
Oil Storage				x	
Machine Room				x	
Oxygen Storage				x	
Acetylene Storage				x	

#4 Storm Drain Sump, Inches of ore sludge: 2.5”

Waste Floor Dry Barrel:

OUTFALLS:	**Rock sump #1:**	**Storm rain UP RR #2**	**Rock sump #3:**
Main sump by dumpster #4	**Rock sump #7:**	**Rock sump #8**	**Rock sump#9**

Weather at time of survey: sprinkle

Weather the previous 12 hours: Raining off and on

Visual Monitoring Log
Ash Grove Cement
NPDES Permit File No. 107213

Monitoring Location:_____

Month	Monitoring Date	Oil and Grease Sheen Present? (Yes/No)	Color or Floating Solids Present? (Yes/No)	Action Taken	Sampler's Initials
July	7-17-2006	NO	NO	NONE	JJH
August	8-30-2006	NO	NO	None	JJH
September	9-18-2006	NO	NO	NONE	JJH
October	10-18-2006	Yes	No	Sheen from UPRR out flow pipe Coast Guard	JJH
November					
December	12-11-2006	NO	NO	Hard rain	JJH
January					
February					
March					
April					
May					
June					
For months when no discharges occur, write in "No Discharge" for that month.					

Signature Requirement

I certify, under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Signature of Responsible Official:_____

Name and Title (Please Print):_____

Date of Signature:_____**Telephone:**_____

Visual Monitoring Log
Ash Grove Cement
NPDES Permit File No. 107213

Monitoring Location: South Terminal

Month	Monitoring Date	Oil and Grease Sheen Present? (Yes/No)	Color or Floating Solids Present? (Yes/No)	Action Taken	Sampler's Initials
July	7-17-2006	None	None	None	
August	8-30-2006	None	None	None	JJH
September	9-18-2006	None	None	None Raining	JJH
October	10-18-2006	None	None	None Raining	JJH
November					
December	12-11-2006	None	None	Hard rain	JJH
January					
February					
March					
April					
May					
June					
For months when no discharges occur, write in "No Discharge" for that month.					

Signature Requirement

I certify, under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Signature of Responsible Official:_____

Name and Title (Please Print):_____

Date of Signature:_____**Telephone:**_____

Visual Monitoring Log
Ash Grove Cement
NPDES Permit File No. 107213

Year 2006				
Month	**Date**	**floating Solids**	**oil & grease Sheen**	**Weather conditions**
January				
February	27-Feb-06	None	None	Rain
March	27-Mar-06	None	None	Light Rain
April	10-Apr-06	None	None	Rain
May	22-May-06	None	None	rain
June	14-Jun-06	NONE	None	Rain
July	17-Jul-06	None	None	No Event
August	30-Aug-06	None	None	mist light rain
September	18-Sep-06	None	None	Rain
October	4-Oct-06	None	None	Light Rain
November	2-Nov-06	None	None	Moderate Rain
December	11-Dec-06	None	None	Hard Rain

Date Inspected:_____ 11/2/2006 Signature John Hone

Spill Kits All present and properly stocked yes (yes/no)

Containment

Equipment Fueling Area (500-gallon diesel AST) clean, with no appreciable staining or noticeable spillage?	
Garage and Oil Storage Area clean, with no appreciable staining or noticeable spillage?	
Availability of drip pans	
Absorbent Materials	

Debris, Sediment, and Oil Controls

Rail Loadout Building downspouts (north terminal) connected property and free of obstruction?	yes
Garage downspouts (north terminal) connected property and free of obstruction?	yes
Administration Office and Shop downspouts (north terminal) connected property and free of obstruction?	yes
Boat House downspouts connected property and free of obstruction?	yes
Offices and Lab downspouts (south terminal) connected property and free of obstruction?	yes
Shop downspouts (south terminal) connected property and free of obstruction?	yes
Rail Loadout Building trench drains and catch basin clean and free of debris?	yes
Catch Basins Between tracks south of loadout building clean and free of debris?	yes
Four Catch Basins along road surface east of silos clean and free of debris?	yes
Manhole and vault clean and free of debris?	yes
Parking Lot and Road Surfaces - any excessive debris present?	NO
Vegetated Areas - any excessive erosion present?	NO

Covering Activities

Pneumatic System and conveyors are clean and properly operating?	Idle

Notes and Miscellaneous observations:

YES	(yes/no)
YES	(yes/no)
YES	(adequate/not adequate)
YES	(adequate/not adequate)

(yes/no)
(yes/no)
(yes/no)
(yes/no)
(yes/no)
(yes/no)
(yes/no), if no indicate problem areas and date maintained below
(yes/no), if no indicate problem areas and date maintained below
(yes/no), if no indicate problem areas and date maintained below
(yes/no), if no indicate problem areas and date maintained below
(yes/no), if yes indicate problem areas and date maintained below
(yes/no), if yes indicate problem areas and date maintained below

(yes/no), if no indicate problem areas and date maintained below

Visual Monitoring Log
Ash Grove Cement
NPDES Permit File No. 107213

Monitoring Location: North Terminal

Month	Monitoring Date	Oil and Grease Sheen Present? (Yes/No)	Color or Floating Solids Present? (Yes/No)	Action Taken	Sampler's Initials
July					
August					
September					
October					
November					
December					
January	1-16-2007	NO	NO	None	JH
February	2-8-2007	NO	NO	NONE	JH
March	3-9-2007	NO	NO	NONE	JH
April	4-10-2007	NO	NO	NONE	JH
May	5-3-2007	N0	N0	None	JH
June	6-5-2007	No	No	None	JH
For months when no discharges occur, write in "No Discharge" for that month.					

Signature Requirement

I certify, under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Signature of Responsible Official:_____

Name and Title (Please Print):_____

Date of Signature:_____**Telephone:**_____

Unknown

From: Glenn Dollar
Sent: Thursday, June 07, 2007 3:31 PM
To: Gary Wright
Subject: FW: UPRR Outfall Rehab near Ashgrove
Attachments: 06 Details 1.pdf; 03 Site Plan_Ashgrove.pdf

Gary,

Here is the request from CH2M Hill and UPRR for an informational meeting with us. I know it would be difficult for you to meet with these folks at this time and I'm at the PUC meeting on Wednesday and Thursday of next week but could meet with them on Monday or Tuesday. Maybe they will be required to plant some shrubs as part of the Greenway Review process and the landscaping will look even better than now.

Referring to the Greenway Review and Permitting process Mark Leece mentions in his following e-mail, I wonder if we could see some Greenway Trail language in the UPRR Greenway Review that may help AGC with our trail issues.

Glenn Dollar
Environmental, Health & Safety Manager
Ash Grove Cement Company
Rivergate Lime Plant
13939 N Rivergate Blvd.
Portland, OR 97203
E-Mail: Glenn.Dollar@ashgrove.com
Phone: 503-286-1677
Fax: 503-289-2272

From: Mark.Leece@CH2M.com [mailto:Mark.Leece@CH2M.com]
Sent: Tuesday, June 05, 2007 8:15 PM
To: glenn.dollar@ashgrove.com
Cc: KABOBERT@up.com; juhland.uhland@ch2m.com
Subject: UPRR Outfall Rehab near Ashgrove

Hi Glenn,

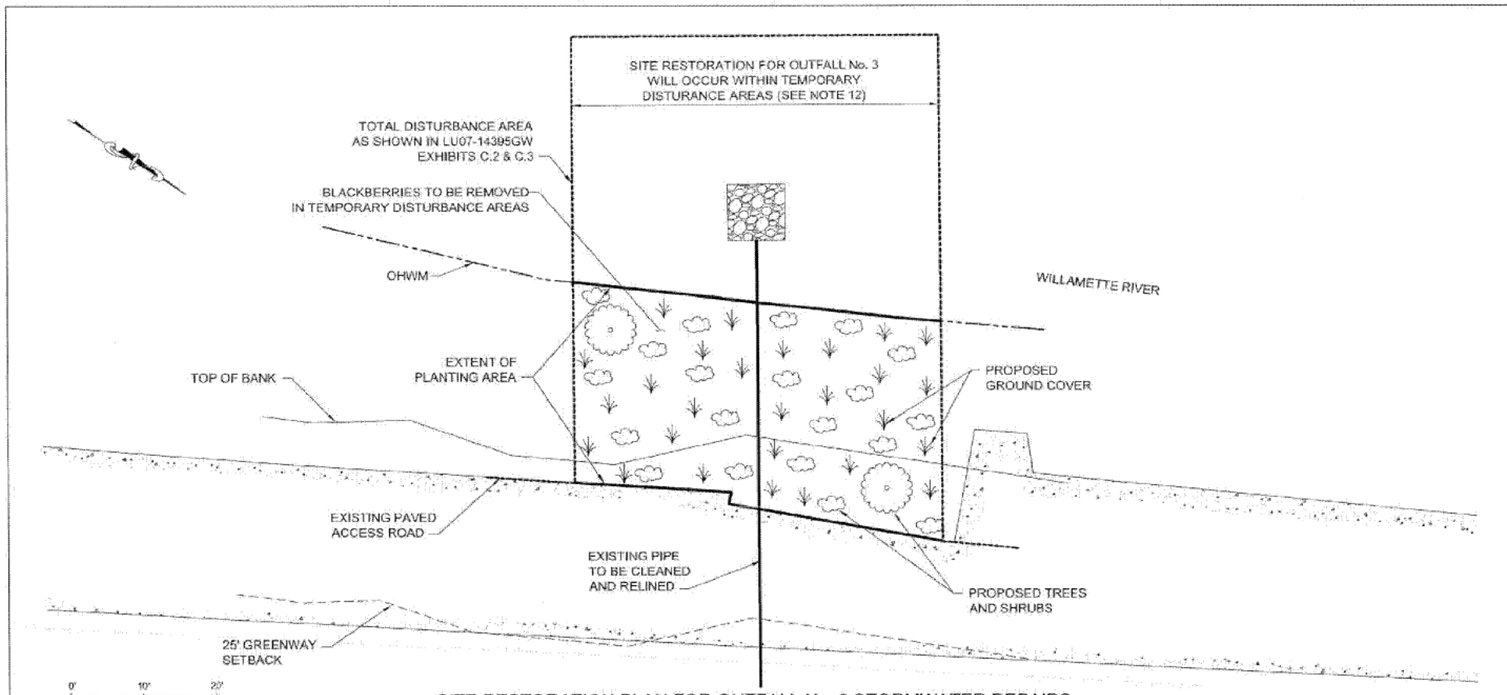
Good to touch base with you today about the UPRR outfall project. As we discussed, UP is in the process of bidding this work to contractors for the reconstruction of two stormwater outfalls that traverse the Ashgrove property and daylight at the Willamette River. We will be holding a pre-bid meeting with contractors on June 14, 2007 beginning at 9:00AM. Ken Bobert (UPRR) and I will be escorting potential contractors to the project location that morning and will need access to the Ashgrove property to let the prospective bidders put see the work area. This work is planned for this construction season - pending resolution of Greenway and permitting issues.

Additionally, as we discussed, we'd like to meet with you and your terminal manager(s) prior to the pre-bid meeting, to provide further details about the project, discuss site access for the construction work and get an understanding of issues specific to your facility that may impact this work. As we discussed, I am available June 11 or 12 to meet with - let me know how this works for your and the terminal managers schedule.

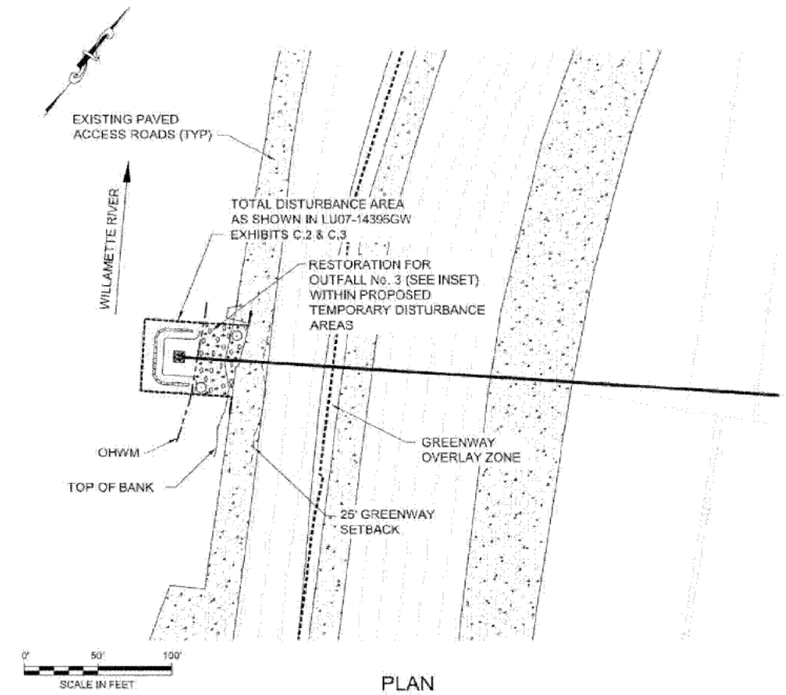
I have attached two drawings showing the location of the work and the details of the outfall reconstruction.

Best Regards,
Mark

Mark Leece, P.E.
CH2M HILL
2020 SW 4th Ave.
Suite 300
Portland, OR 97201
ph: 503-736-4242
fax: 503-736-2000
cell: 503-806-2253



SITE RESTORATION PLAN FOR OUTFALL No. 3 STORMWATER REPAIRS
SEE NATIVE PLANT TABLE BELOW FOR SPECIES, QUANTITY, AND SPACING



PLAN

NOTES:

1. UPRR SHALL SUPPLY PLANTING STOCKS TO CONTRACTOR AND COORDINATE DELIVERY OF PLANT MATERIAL TO THE JOB SITE AND ENSURE PLANTS DELIVERED ARE INSTALLED WITHIN 12 HOURS.
2. CONTRACTOR SHALL REMOVE EXISTING VEGETATION ONLY WHERE NECESSARY TO ALLOW FOR CONSTRUCTION ACCESS TO THE SITE.
3. TEMPORARY DISTURBANCE AREA WILL BE CLEARED OF NUISANCE, NON-NATIVE VEGETATION.
4. CONTRACTOR SHALL APPLY HERBICIDES TREATMENT ON BLACKBERRIES ONLY AFTER TWO ATTEMPTS AT CUTTING HAVE PROVEN UNSUCCESSFUL IN PREVENTING RE-GROWTH. HERBICIDES SHALL BE GARLON® (TRICLOPYR) OR ROUND-UP® (GLYPHOSPHATE). (SEE CONDITION B OF THE LAND USE DECISION RE: HERBICIDES.) HERBICIDES WILL NOT BE APPLIED IN THE NON-CONFORMING UPGRADE AREA.
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   B. PLACE SEEDLING IN PLANTING HOLES WITHOUT BREAKING THE ROOTS MASS AND ENSURE TOP OF THE ROOT COLLAR IS WITHIN 0.5 INCH ABOVE EXISTING GROUND.
   C. PREVENT PLANTS MATERIAL FROM DRYING OUT OR FREEZING.
   D. PRESS SOIL FIRMLY AROUND PLANTS TO REDUCE SOIL MOISTURE LOSS.
6. CONTRACTOR SHALL CREATE PLANTING HOLES FOR LIVE STAKES BY INSERTING REBAR OF SIMILAR DIAMETER INTO SOIL SO THAT APPROXIMATELY 6 INCHES OF CUTTING IS ABOVE GROUND AFTER INSERTING INTO HOLE.
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8. CONTRACTOR SHALL APPLY CEDAR MULCH IN A RING AROUND INDIVIDUAL PLANTS IMMEDIATELY FOLLOWING PLANT INSTALLATION.
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11. FOUR NATIVE TREES AND 40 NATIVE SHRUBS WILL BE PROVIDED AS THE REQUIRED LANDSCAPING AND MITIGATION FOR REPAIRS TO OUTFALL No. 3 AND 4 PER 33.440.230(B)(1-2). THREE NATIVE TREES ARE PROPOSED AS MITIGATION FOR THE ONE EXISTING ALDER TO BE REMOVED AT OUTFALL No. 4.
12. EXACT LOCATION OF PLANTINGS WITHIN TEMPORARY DISTURBANCE AREAS IS BEING COORDINATED WITH THE PLANTINGS TO BE PROVIDED BY ASH GROVE CEMENT AS REQUIRED PER CASE FILE L008-101468GW.

NATIVE PLANTS APPROVED FOR USE IN THE WILLAMETTE GREENWAY FOR MITIGATION OF OUTFALL No. 3 REPAIRS

	SPECIES NAME	COMMON NAME	QUANTITY	SPACING	SIZE/STOCK TYPE
TREES	*SALIX LUCINDA VAR. LASIANDRA*	PACIFIC WILLOW	1	3' ON CENTER W/IN GROUPS; PLANT ALONG RIVERBANK	LIVE STAKES
	FRAXINUS LATIFOLIA	OREGON ASH	1	10' ON CENTER; PLANT ALONG SLOPE	BARE ROOT
SHRUBS	*CORNUS SERICEA SP. SERICEA*	RED-OSIER DOGWOOD	10	3' ON CENTER W/IN GROUPS; PLANT ALONG RIVERBANK	LIVE STAKES
	ROSA NUTKANA VAR. NUTKANA	NOOTKA ROSE	10	3'-4' ON CENTER; PLANT ALONG SLOPE	BARE ROOT
GROUND COVER	*AGROSTIS EXERATA*	SPIKE BENTGRASS	10 lb/AC	N/A	SEED
	DESCHAMPSIA ELONGATA	TUFTED HAIRGRASS	10 lb/AC	N/A	SEED
	ALOPECURUS GENICULATUS	WATER FOXTAIL	10 lb/AC	N/A	SEED
	LUPINUS POLYPHYLLUS	LARGE-LEAVED LUPINE	10 lb/AC	N/A	SEED

DSGN	W. GRIFFIN				
DR	T. LANEY				
CHK	S. WRIGHT				
APVD	M. LEECE	NO.	DATE	REVISION	BY	APVD

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

CH2MHILL

UNION PACIFIC RAILROAD
ALBINA RAILYARD
PORTLAND, OREGON

REPAIR OF STORMWATER FACILITIES, BASINS 3 & 4

LANDSCAPING AND MITIGATION PLAN FOR OUTFALL No. 3

SHEET 12
DWG
DATE JULY 2007
PROJ. NDM: 350225

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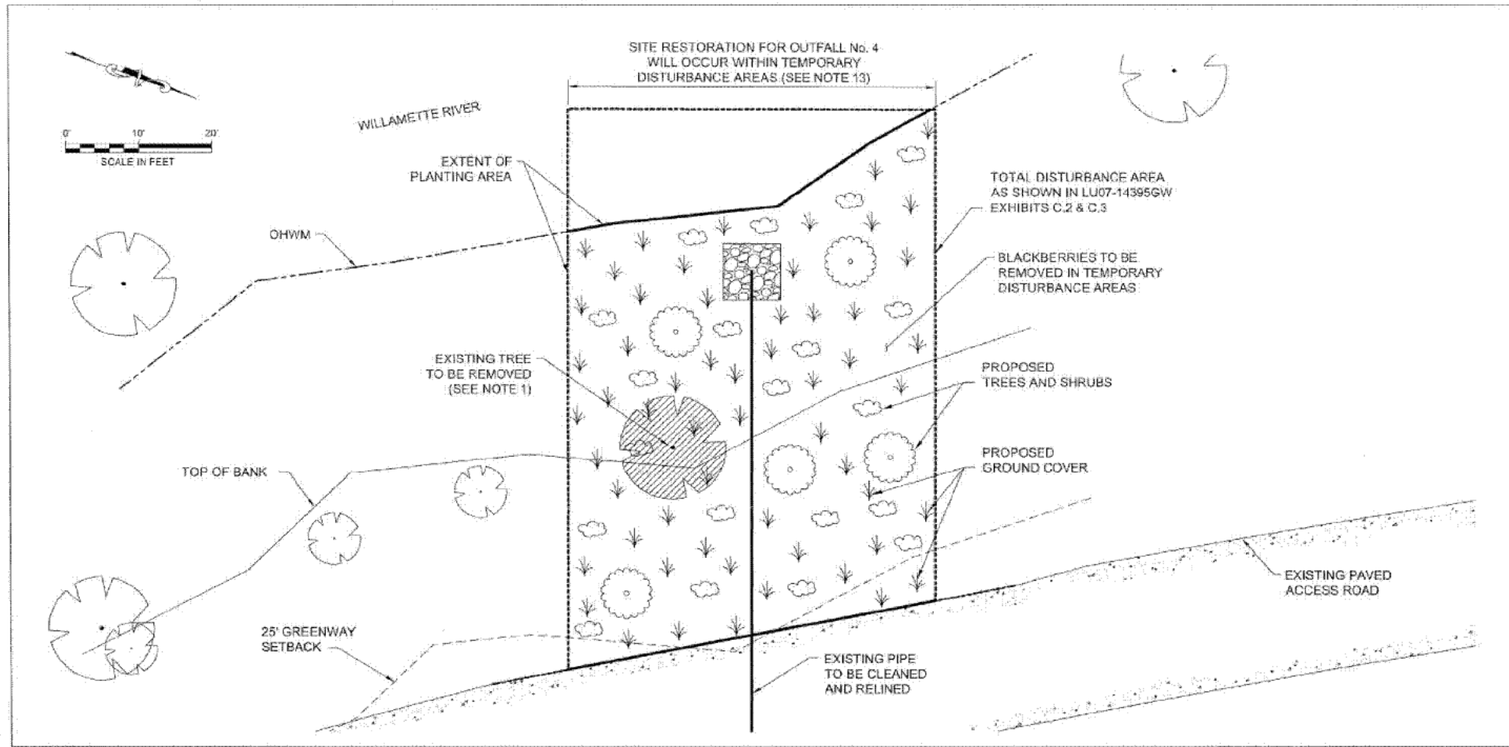

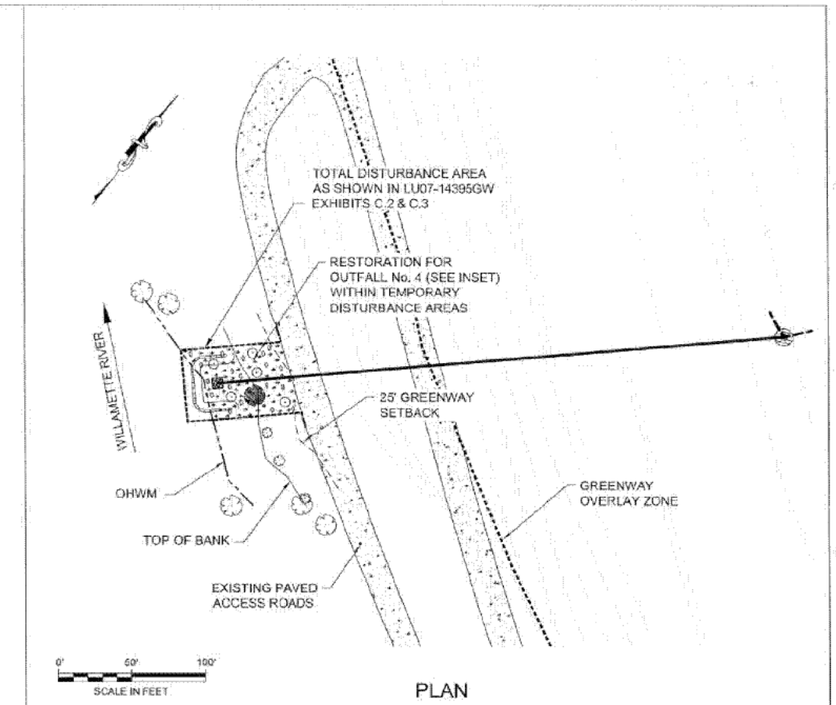

PLAN

SITE RESTORATION PLAN FOR OUTFALL No. 4 STORMWATER REPAIRS
SEE NATIVE PLANT TABLE BELOW FOR SPECIES, QUANTITY, & SPACING

TREE TABLE

NUMBER	SPECIES	DIAMETER AT BREAST HEIGHT	ROOT PROTECTION ZONE (RADIUS)	REMOVE
1	ELM	12"	12'	NO
2	ALDER	7"	7'	NO
3	ALDER	7"	7'	YES
4	COTTONWOOD	5"	N/A	N/A
5	COTTONWOOD	5"	N/A	N/A
6	COTTONWOOD	5"	N/A	N/A
7	HAWTHORNE	7"	7'	NO
8	HAWTHORNE	5"	N/A	N/A
9	MAPLE	9"	9'	NO

NATIVE PLANTS APPROVED FOR USE IN THE WILLAMETTE GREENWAY FOR MITIGATION OF OUTFALL No. 4 REPAIRS

	SPECIES NAME	COMMON NAME	QUANTITY	SPACING	SIZE/STOCK TYPE
TREES	*SALIX LUCINDA VAR. LASIANDRA*	PACIFIC WILLOW	3	3' ON CENTER W/IN GROUPS; PLANT ALONG RIVERBANK	LIVE STAKES
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UNION PACIFIC RAILROAD
ALBINA RAILYARD
PORTLAND, OREGON

REPAIR OF STORMWATER FACILITIES, BASINS 3 & 4

LANDSCAPING AND MITIGATION PLAN
FOR OUTFALL No. 4

SHEET 13
DWG
DATE JULY 2007
PROJ NDM: 350225

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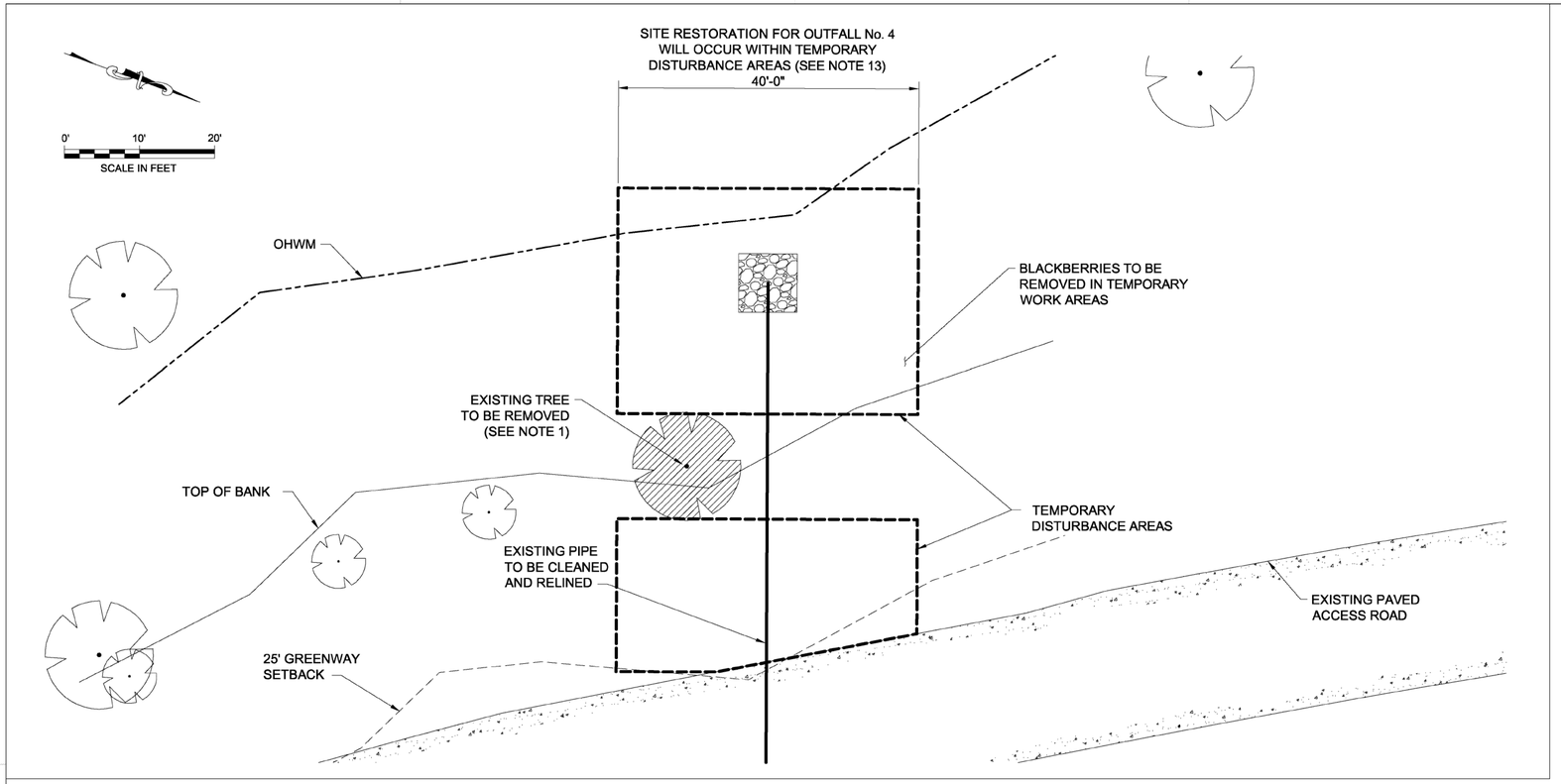

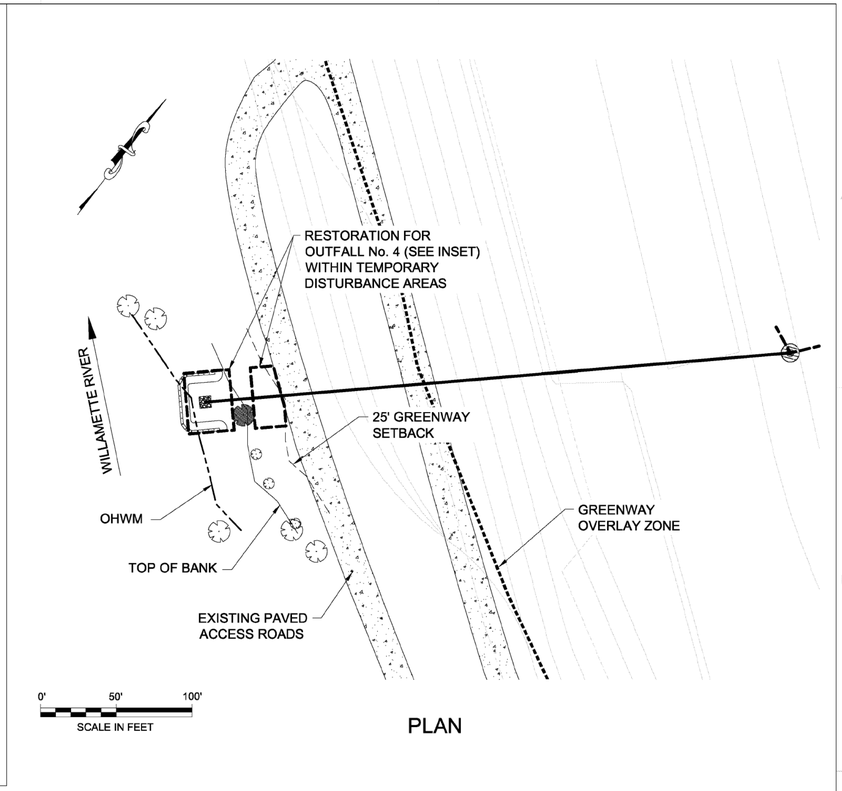

PLAN

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SEE NATIVE PLANT TABLE BELOW FOR SPECIES, QUANTITY, & SPACING

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CH2MHILL

UNION PACIFIC RAILROAD
ALBINA RAILYARD
PORTLAND, OREGON

REPAIR OF STORMWATER FACILITIES, BASINS 3 & 4

LANDSCAPING AND MITIGATION PLAN
FOR OUTFALL No. 4

SHEET 13
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DATE JULY 2007
PROJ NDM: 350225

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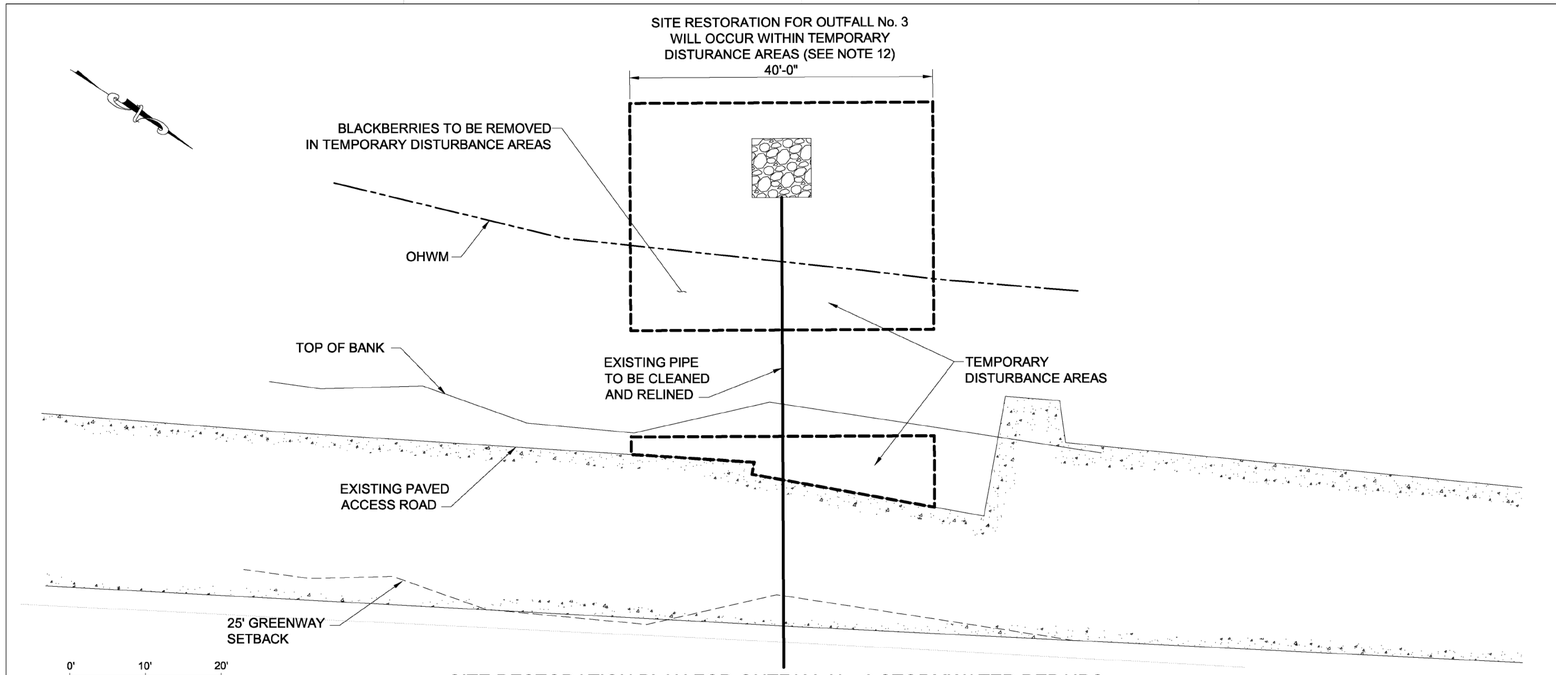

SITE RESTORATION PLAN FOR OUTFALL No. 3 STORMWATER REPAIRS
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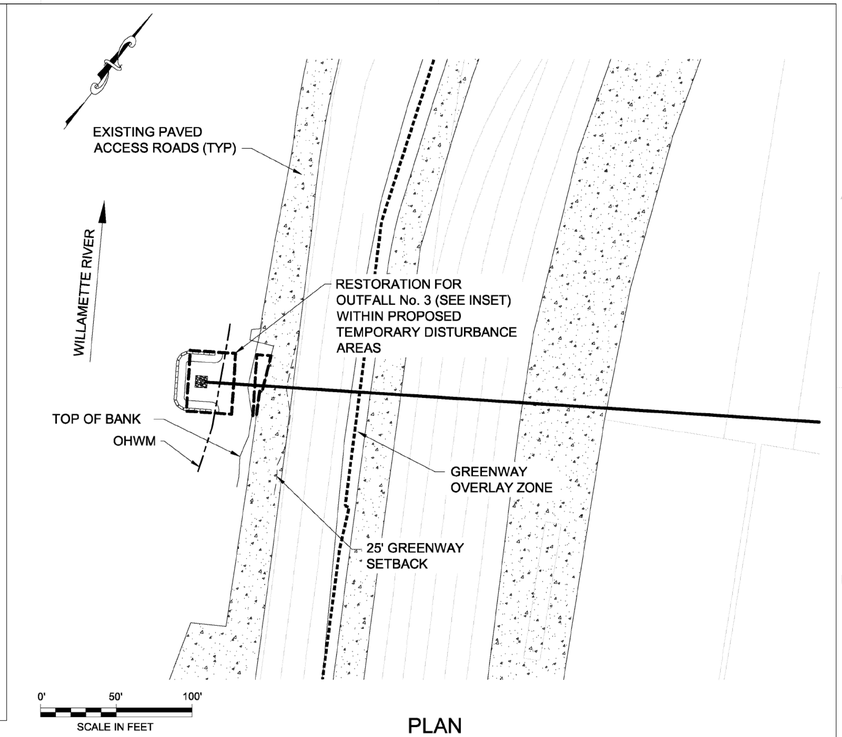

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   LARGE (FOR SEEDLINGS) - 4" X 36"
10. CONTRACTOR SHALL MANUALLY WATER NEW PLANTS TWICE A WEEK FOLLOWING CONSTRUCTION ACTIVITIES IN SEPTEMBER UNTIL BEGINNING OF THE RAINY SEASON (OCTOBER).
11. FOUR NATIVE TREES AND 40 NATIVE SHRUBS WILL BE PROVIDED AS THE REQUIRED LANDSCAPING AND MITIGATION FOR REPAIRS TO OUTFALL No. 3 AND 4 PER 33.440.230(B)(1-2). THREE NATIVE TREES ARE PROPOSED AS MITIGATION FOR THE ONE EXISTING ALDER TO BE REMOVED AT OUTFALL No. 4.
12. EXACT LOCATION OF PLANTINGS WITHIN TEMPORARY DISTURBANCE AREAS IS BEING COORDINATED WITH THE PLANTINGS TO BE PROVIDED BY ASH GROVE CEMENT AS REQUIRED PER CASE FILE L006-101468GW.

NATIVE PLANTS APPROVED FOR USE IN THE WILLAMETTE GREENWAY FOR MITIGATION OF OUTFALL No. 3 REPAIRS

	SPECIES NAME	COMMON NAME	QUANTITY	SPACING	SIZE/STOCK TYPE
TREES	*SALIX LUCINDA VAR. LASIANDRA*	PACIFIC WILLOW	1	3' ON CENTER W/IN GROUPS; PLANT ALONG RIVERBANK	LIVE STAKES
	FRAXINUS LATIFOLIA	OREGON ASH	1	10' ON CENTER; PLANT ALONG SLOPE	BARE ROOT
SHRUBS	*CORNUS SERICEA SP. SERICEA*	RED-OSIER DOGWOOD	10	3' ON CENTER W/IN GROUPS; PLANT ALONG RIVERBANK	LIVE STAKES
	ROSA NUTKANA VAR. NUTKANA	NOOTKA ROSE	10	3'-4' ON CENTER; PLANT ALONG SLOPE	BARE ROOT
GROUND COVER	*AGROSTIS EXERATA*	SPIKE BENTGRASS	10 lb/AC	N/A	SEED
	DESCHAMPSIA ELONGATA	TUFTED HAIRGRASS	10 lb/AC	N/A	SEED
	ALOPECURUS GENICULATUS	WATER FOXTAIL	10 lb/AC	N/A	SEED
	LUPINUS POLYPHYLLUS	LARGE-LEAVED LUPINE	10 lb/AC	N/A	SEED

DSGN	W. GRIFFIN				
DR	T. LANEY				
CHK	S. WRIGHT				
APVD	M. LEECE	NO.	DATE	REVISION	BY	APVD

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 ▬ 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

CH2MHILL

UNION PACIFIC RAILROAD
ALBINA RAILYARD
PORTLAND, OREGON

REPAIR OF STORMWATER FACILITIES, BASINS 3 & 4

LANDSCAPING AND MITIGATION PLAN
FOR OUTFALL No. 3

SHEET 12
DWG
DATE JULY 2007
PROJ NDM: 350225

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USER: TLANEY TAB: LAYOUT1 LAST SAVED: 7/27/2007 9:46:48 AM
FILENAME: C:\DOCUMENTS AND SETTINGS\TLANEY\MY DOCUMENTS\NDMPROJ\350225 - UPRR INDUSTRIAL SEWER IMPROVEMENTS\ OUTFALL 3+4 - 12 MITIGATION PLAN.DWG
PLOT DATE: 27-Jul-07 PLOT TIME: 9:46:59 AM PAGE SETUP: ---- PEN TABLE: ----

Unknown

From: Gary Wright
Sent: Tuesday, July 31, 2007 4:39 PM
To: Glenn Dollar
Subject: RE: UPRR Albina Railyard - Outfall Nos. 3 & 4 Repairs

Written approval to coordinate our plantings with theirs? Is there any rational thinking behind this?

From: Glenn Dollar
Sent: Tuesday, July 31, 2007 7:50 AM
To: Gary Wright
Subject: FW: UPRR Albina Railyard - Outfall Nos. 3 & 4 Repairs

Gary,

Can you take a look at this. UPRR wants to coordinate there tree planting with our tree planting.

From: Paul.Seilo@CH2M.com [mailto:Paul.Seilo@CH2M.com]
Sent: Friday, July 27, 2007 2:50 PM
To: Glenn Dollar
Cc: mark.leece@ch2m.com
Subject: UPRR Albina Railyard - Outfall Nos. 3 & 4 Repairs

Glenn,

Per our phone conversation earlier this week, these are the Mitigation Plans we are hoping to submit to the City of Portland with our Greenway Review application. The City is aware that you also have plans to place plantings adjacent to these areas and they asked us to coordinate our plantings with you. We are hoping that we can get your authorization to include our required plantings in the temporary disturbance areas as shown on the plans. Our plantings include 2 trees and 20 shrubs at Outfall 3 and 5 trees and 20 shrubs at Outfall 4.

We are hoping to get your approval in writing which we can submit directly to the city. Please let me know if you need any other information from us in order to make this happen. I will follow up with a phone call next week.

Mark Leece will be following up with the access agreements early next week.

Thanks very much,

Paul Seilo, AICP
Environmental Planner
CH2M HILL
Tel: (503) 736-4012

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Fax Transmittal from the office at:
Portland
7133 N. Lombard
Portland, OR 97203
(503) 286-9464
FAX (503) 285-7831

Other office locations:

Tacoma	San Francisco	Los Angeles
4902 20th E	4592 E. 2nd St.	790 Basin St.
Fife, WA 98424	Benicia, CA 94510	San Pedro, CA 90731
(253) 922-8781	(707) 748-7587	(310) 833-1557
FAX(253) 922-8957	FAX (707) 748-7764	FAX (310) 833-1585

DATE: **11/29/2007**
CLIENT: **Ash Grove Cement Company - Swan Island**
3737 N. Port Center Way
Portland OR, 97217

ATTN: **J. John Hone**
FAX: **(503) 286-4987**
Transmittal of the following number of pages:_____

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FAX(253) 922-8957	FAX (707) 748-7764	FAX (310) 833-15

DATE: 11/29/2007

TO: Ash Grove Cement Company - Sw
J. John Hone
3737 N. Port Center Way
Portland OR, 97217

CERTIFICATE OF ANALYSIS

CLIENT: Ash Grove Cement Company - Swan Island
ATTN: J. John Hone
3737 N. Port Center Way
Portland OR, 97217

PHONE: (503) 285-4621
FAX: (503) 286-4987

PROJECT NAME: 1200Z Stormwater

SUBMITTED: 11/16/07 15:00

REPORT DATE: 11/29/07 16:12 REPORT NUMBER: 7111614

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX
7111614-01	Outfall #4	11/16/2007	1230	Water

SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
7111614-01	**SAMPLE ID: Outfall #4**						
General Bench Analysis							
O & G, TOTAL (HEM)	EPA 1664	TOTAL OIL AND GREASE	ND	mg/L	2.0	DK	11/28/2007 16:23
PH	EPA 150.1/9040	pH	7.06	SU		KMC	11/16/2007 15:00
		TEMPERATURE (C)	16.0	SU			
SUSPENDED SOLIDS	EPA160.2/SM2540	TOTAL SUSPENDED SOLIDS	11.0	mg/L	5.00	KMC	11/21/2007 12:54
Total Metals by Inductively Coupled Plasma							
COPPER - ICP	EPA 200.7/6010B	COPPER	ND	mg/L	0.005	KEL	11/26/2007 15:07
LEAD - ICP		LEAD	ND	mg/L	0.005	KEL	11/26/2007 15:07
ZINC - ICP		ZINC	ND	mg/L	0.003	KEL	11/26/2007 15:07

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Authorized for Release By:

James Weinkauf - Laboratory Director

COLUMBIA INSPECTION, INC 7133 N. Lombard, Portland, OR 97203 Ph:(503) 286-9464 Fax:(503) 286-5355 E-mail:cilabqa@ColumbiaInspection.com

Monthly Storm Water Inspection Log

Date Inspected:_____ 12/3/2007 Signature John Hone

Spill Kits All present and properly stocked | yes | (yes/no)

Containment

Equipment Fueling Area (500-gallon diesel AST) clean, with no appreciable staining or noticeable spillage?	YES	(yes/no)
Garage and Oil Storage Area clean, with no appreciable staining or noticeable spillage?	YES	(yes/no)
Availability of drip pans	YES	(adequate/not adequate)
Absorbent Materials	YES	(adequate/not adequate)

Debris, Sediment, and Oil Controls

Rail Loadout Building downspouts (north terminal) connected property and free of obstruction?	YES	(yes/no)
Garage downspouts (north terminal) connected property and free of obstruction?	YES	(yes/no)
Administration Office and Shop downspouts (north terminal) connected property and free of obstruction?	YES	(yes/no)
Boat House downspouts connected property and free of obstruction?	YES	(yes/no)
Offices and Lab downspouts (south terminal) connected property and free of obstruction?	YES	(yes/no)
Shop downspouts (south terminal) connected property and free of obstruction?	YES	(yes/no)
Rail Loadout Building trench drains and catch basin clean and free of debris?	YES	(yes/no), if no indicate problem areas and date maintained below
Catch Basins Between tracks south of loadout building clean and free of debris?	YES	(yes/no), if no indicate problem areas and date maintained below
Four Catch Basins along road surface east of silos clean and free of debris?	YES	(yes/no), if no indicate problem areas and date maintained below
Manhole and vault clean and free of debris?	YES	(yes/no), if no indicate problem areas and date maintained below
Parking Lot and Road Surfaces - any excessive debris present?	NO	(yes/no), if yes indicate problem areas and date maintained below
Vegetated Areas - any excessive erosion present?	NO	(yes/no), if yes indicate problem areas and date maintained below

Covering Activities

Pneumatic System and conveyors are clean and properly operating?	YES	(yes/no), if no indicate problem areas and date maintained below

Notes and Miscellaneous observations:

Carbonics system is working good in controlling the discharge pH

Visual Monitoring Log
Ash Grove Cement
NPDES Permit File No. 1200-Z

STORM WATER DISCHARGE PERMIT

YEAR 2008-2009

Monitoring Location: North Terminal

Month	Monitoring Date	Oil and Grease Sheen Present? (Yes/No)	Color or Floating Solids Present? (Yes/No)	Action Taken	Sampler's Initials
July					
August					
September					
October					
November					
December					
January	1-8-2008	NO	NO	None	JJH
February	2-6-2008	NO	NO	None	JJH
March	3-3-2008	NO	NO	None	JJH
April					
May					
June					
For months when no discharges occur, write in "No Discharge" for that month.					

Signature Requirement

I certify, under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Signature of Responsible Official:_____

Name and Title (Please Print):_____

Date of Signature:_____**Telephone:**_____

Industrial Stormwater Discharge Monitoring Report - 1200-Z Permit

Permittee Legal Name:	ASH GROVE CEMENT COMPANY	*ODEQ File No./Facility ID:*	107213
Facility Common Name:	ASH GROVE CEMENT COMPANY	Reporting Period:	July 1, 2007 to June 30, 2008
Facility Location:	3737 N. PORT CENTER WAY	Laboratory Name:	COLUMBIA INSPECTION
County:	MULT	Laboratory ORELAP #:	

DEQ State of Oregon Department of Environmental Quality

Monitor for the following pollutants at sampling point(s) specified in your SWPCP. Add more sheets if necessary (e.g., if more than 4 samples are collected per pollutant or facility has more than 4 sampling points). You MUST also attach a copy of laboratory results sheet(s) and associated QA/QC information to this form

Name or Number of Sampling Point(s) (group data per sampling point)	Sample Date	pH **	Suspended Solids, Total **	Oil and Grease, Total **	Copper, Total	Lead, Total	Zinc, Total	E. coli *
		s.u.	mg/L	mg/L	mg/L	mg/L	mg/L	counts/100 ml
OUTFALL # 4	11/16/2007	7.06	11	ND (2.0)	ND (.005)	ND (.005)	ND (.003)	
OUTFALL # 4	12/19/2007	7.43	27	4.5	0.013	0.006	0.084	
OUTFALL # 4								
OUTFALL # 4								
Geometric Mean (Note 4)		**7.243**	**17.234**	**4.500**	**0.013**	**0.006**	**0.084**	
Geometric Mean (Note 4)								
Geometric Mean (Note 4)								
Geometric Mean (Note 4)								
Permit Benchmark		**5.5 - 9.0**	**130**	**10**	**0.1**	**0.4**	**0.6**	**406**

*** Only applies to landfills accepting septage/biosolids and sewage treatment plants.**

**** Effluent limits for these parameters apply to some industries - see permit, Schedule A.7.**

Note 1: Submit this report to the appropriate DEQ regional or agent offices (see below) annually by July 31st. The report must contain the results of all stormwater monitoring conducted during the year. If you have a monitoring waiver for one or more of the pollutant(s), please report "M" in the column(s)-see permit-Schedule B.3.

Note 2: Non-detects must be reported as "ND" along with the applicable method detection limit in parentheses - e.g. ND (0.001).

Note 3: If a stormwater sampling result exceeds any of the benchmark values, the permit registrant must, within 30 calendar days of receiving the sampling results, investigate the cause of the benchmark exceedance(s), review the SWPCP and submit an Action Plan for department or agent approval.

Note 4: For the 4th year of coverage under the permit that became effective on July 1, 2007, report the geometric mean value of the last 4 samples collected for each pollutant parameter, from each sampling point. The geometric mean value is automatically calculated if using the Excel version of the DMR form.

Name/Title Principal Executive Officer or Authorized Delegate

(Please Print)

Telephone: *Email:*

I certify, under penalty of law, that this document and all attachments were prepared under my direct supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Sign here: Date

See reverse side for additional visual monitoring requirements

07-WQ-001f

Monthly Visual Observations

	Record Visual Observations for Oil and Grease Sheen and Floating Solids:	
	Oil and Grease Sheen - No visible sheen allowed. Monthly observation when discharging. For months when no discharges occur, please write in "No Discharge" for that month.	**Floating Solids** (associated with industrial activities) – No visible discharge allowed. Monthly observation when discharging. For months when no discharges occur, please write in "No Discharge" for that month.
	Date	**Observations (please note the sampling point(s) name or number)**
July	7/12/2007	Outfall # 4 No Visiable Sheen No floating solids
August	8/20/2007	Outfall # 4 No Visiable Sheen No floating solids
September	28-Sep	Outfall # 4 No Visiable Sheen No floating solids
October	16-Oct	Outfall # 4 No Visiable Sheen No floating solids
November	15-Nov	Outfall # 4 No Visiable Sheen No floating solids
December	3-Dec	Outfall # 4 No Visiable Sheen No floating solids
January	1/8/2008	Outfall # 4 No Visiable Sheen No floating solids
February	2/6/2008	Outfall # 4 No Visiable Sheen No floating solids
March	3/3/2008	Outfall # 4 No Visiable Sheen No floating solids
April		
May		
June		

For facilities located within the following local jurisdictions, please submit one (1) copy of this report and laboratory results sheet(s) and QA/QC documentation to the local jursisdiction annually by July 31st:

Clean Water Services
Industrial Stormwater
2550 SW Hillsboro Hwy.
Hillsboro, OR 97123

City of Portland
Industrial Stormwater Section
Water Pollution Control Lab
6543 N Burlington Ave.
Portland, OR 97203-5452

City of Eugene
Industrial Source Control
410 River Ave.
Eugene, OR 97404

For all other locations, please submit one (1) copy of this report and laboratory results sheet(s) and the QA/QC documentation to the appropriate DEQ regional office annually by July 31st:

DEQ Northwest Region Office
2020 SW 4th Ave. Suite 400
Portland, OR 97201
Phone: (503) 229-5263
Hours: 8 am - 5 pm

DEQ Eastern Region Office
300 SE Reed Market Rd.
Bend, OR 97702-2237
Phone: (541) 388-6146
Hours: 8 am - 5 pm

DEQ Western Region Office
(Benton, Lincoln, Marion, Polk, and Yamhill counties)
750 Front St NE, #120
Salem, OR 97301-1039
Phone: (503) 378-8240
Hours: Mon - Thurs: 8 am - 5 pm
Fri: 8 am - noon, 1 - 5 pm

DEQ Western Region Office
(Lane and Linn counties)
1102 Lincoln St. Suite 210
Eugene, OR 97401
Phone: (541) 686-7838
Hours: 8 am - 5 pm

DEQ Western Region Office
(Coos, Curry, Douglas, Jackson, and Josephine counties)
221 Stewart Ave. Suite 201
Medford, OR 97501
Phone: (541) 776-6010
Hours: 8 am – noon, 1 - 5 pm

07-WQ-001f