PORSF 11.3.234.1. v.5
8/19/08

CONOCOPHILLIPS COMPANY ("CONOCOPHILLIPS"),
ON BEHALF OF PHILLIPS PETROLEUM COMPANY,
TOSCO CORPORATION AND ASSETS OF 76 PRODUCTS COMPANY

RESPONSES TO JANUARY 18, 2008
EPA FIRST REQUEST FOR INFORMATION
PORTLAND HARBOR SUPERFUND SITE
PORTLAND, OREGON

LIST OF HISTORICAL ENVIRONMENTAL PERMITS (FEDERAL, STATE, LOCAL)

RESPONSE TO QUESTION 52

USEPA SF
1363571
COPPOR00001970.0

CERTIFICATE OF ADEQUACY
- RENEW EVERY 5 YEARS -

N

RENEW EVERY FIVE YEARS

NOV, 1999 - filed 11-30-1999 N

JAN, 2005 - filed 1-28-2005 - RECEIVED FEBRUARY 8, 2005

JAN, 2010

COPPOR00001970

ADD: Toxic Use Reduction - Pounds Report. Due Oct 15, 2003. - Complete. submitted 9-16-03

J:\TERMINAL_PDX\PERMITS\PERMITS.XLS

PORTLAND TERMINAL PERMITS AND LICENSES

Last update: 7-15-2003-03

Document	CURRENT	Date paid / filed	Date Expires	COMMENTS	COST	
Permits and Licenses						
UST	N/A	None	N/A	Terminal has no USTs, lube group has 2 in whse	N/A	
AST fees	N/A	None	N/A	California only		
Hazardous Substance Possession Fee	OK	pending		etch, additive, etc, various bills	$2,311	Was charged to lubes in 2002/03. No bill to terminal yet.
DEQ Annual Facility Spill & ER Planning Fee	OK	08/22/2002	06/30/2003	50/50	$4,500	50/50
Haz Waste Annual report	OK	02/10/2003	Next due 3-04	Annual renewal, see Section 53, drawer 3		
Sara Title 3/Toxic Release Inventory	OK	07/01/2002	4-2003	Annual renewal, see Section 53, drawer 3		
Air Contaminant Discharge Permit ~~Fee~~	OK	pd Ap 5, 02	expires ~~12-31-02~~	Permit #26-2026; included in Sara Title 3 Synthetic Minor Pe	$6,500	will become a "Standard Permit"; updating with Greg Grunow
Annual Air Emission Report	OK	01/01/2003	N/A	Env., Current		Files outside of Janes office
Semi-annual emission update report	OK	01/27/2003	N/A	Env., Current		Files outside of Janes office
Oxygenate Permit	OK	09/23/2002	N/A	Oxygenate permit for etch loading: Oct 15 to Feb 28	$250	~~paid 50/50~~ PAID NOV 2003. ON FILE
NPDES General Permit #1300-J	OK	Pd 7/2003	01-Jul-04	Separators #001, 002 & 004; Expires 12-31-2004	$330	paid 50/50
Industrial Wastewater Discharge Permit	OK	paid on 9-09-02	FY 2002-2003	Separators #003; permit # 400.181	$2,150	City of Portland, expires May, 2008
Waterfront Facility Survey	OK	Did in Nov 2002	Nov-04	Biennial survey for Coast Guard		Didn't receive any notification or acknowledgment from the USCG.
Meter Device Registration	OK	03-Jun	expires 6/04	Maintained in maintenance dept	$500	For scales and meters
Business License	OK	verbal ok by City of Portland	FY 2002-03	Paid by Houston. City of Portland says paid. Jane is looking for the dept / individual responsible for the payment. City of Portland can't / won't help.		Now handled by State Taxes in Houston. Paid quarterly.
Fire Permit	OK	Inspection 8/01/03	valid ~~for 2 years~~ UNTIL REVIEWED OR REVOKED	~~renewed bi-annually - 4 permits total~~ see section 131.	$150	Called Portland Fire Marshall George Godson and requested a bill and a permit for 2002. 503-823-3934 Left a message with their permit dept and left a message with the Deputy Fire Marshall responsible for inspecting this site. Followed up with Grace Ainsw. Inspected by G. Godson On 8/01. Report ~~to be~~ faxed ~~and mailed~~. Permit on f
Excavation/Shoring	N/A	N/A	N/A	Not reqd in Oregon		
Pressure Vessel tanks	OK	Paid 5-28-03	exp 6-04	copies of permits filed in permit book, at vessels	$250	expire on irregular schedule - 6/30/04 & 6/30/05
FCC License	OK	10/11/2004	~~08/01/2005~~	Gary Gompf, Janet Tucker, B-villa		Renewal handled through Telecom 6-17-2013
Certificate of Adequacy	Y	none	N/A	U.S. Coast Guard, upon request or change in manager		Renewed in Oct, 2001
Auto Insurance Policy	Y	OK		Policy ISAHO7670011; expires 3/15/2004		WPXJ 503
State Fire Marshall Survey	Y	2002 complete		Done by env compliance, annual report		
Manuals & Plans						
USGC Operations Manual	OK	N/A	N/A	Revised, June 2003. Letter of Adequacy on file.		
SPCC Plan (Spill Prevention Control & Countermeasure) (From Clean Air Act)	OK	reviewed July, 02	02/21/2005			
SWPCP (Storm Water Pollution Control Plan, NPDES requirement)	OK	reviewed July, 02	02/21/2005			
Accidental Spill Plan (Wastewater discharge permit requirement)	OK	reviewed July, 02	02/21/2005			
Waste Reduction Plan	OK					
Annual Pounds report	OK	10/15/2002	~~[illegible]~~ 9/16/2003			

Maintain locally. Do not submit. See letter dated 9-16-03 from Wm. Collins. - Note: the plan was reviewed. Notice of plan completion form sent on 10-17-03.

COPPOR00001971

ConocoPhillips

5528 NW Doane Avenue
Portland, OR 97210

January 28, 2005

Petty Officer David Thurman
U. S. Coast Guard
MSO-Portland
Facility Inspection Branch
6767 N. Basin Ave
Portland, OR 97217

Re: Certificate of Adequacy

Dear Petty Officer David Thurman:

Please find enclosed the following completed forms for the renewal of our Certificate of Adequacy:

1. Certificate of Adequacy Form A, for a reception facility for oil
2. Certificate of Adequacy Form C, for a reception facility for garbage

Should you have any questions regarding this submittal, please contact me at (503)248-1538.

Sincerely,

John Sherman

John Sherman
Terminal Superintendent

Enclosure

ConocoPhillips

5528 NW Doane Avenue
Portland, OR 97210

January 28, 2005

Petty Officer David Thurman
U. S. Coast Guard
MSO-Portland
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6767 N. Basin Ave
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Sincerely,

John Sherman

John Sherman
Terminal Superintendent

Enclosure

FORM A
CERTIFICATE OF ADEQUACY (COA) APPLICATION FOR A RECEPTION FACILITY FOR OIL

1. TERMINAL OR PORT INFORMATION

A. Applying as: *(check one)* ☒ Terminal ☐ Port ☐ COTP Designated Port

B. Number of Terminals to which this Application Applies: _____

C. Administrative Information:

(1) Terminal or Port Name: ConocoPhillips Portland Terminal
(2) Address: 5528 NW Doane Ave. Portland Oregon, 97210

(3) Terminal/Port Person in Charge
(a) Name: John Sherman
(b) Title/Position: Terminal Supervisor
(c) Organization: ConocoPhillips - Transportation
(d) Phone Number: 503 248 1576 direct - 503 248 1538

D. INDIVIDUAL TERMINAL INFORMATION. If applying as a port, list the information indicated for each terminal in the port. If more space is needed, continue on a separate sheet and attach to the back of this Application. Signature of the person in charge of the terminal acknowledges that the terminal agrees and consents to being considered as a member of the port, described in section 1, for the purposes of reception facilities. Complete the terminal name, location, etc. below.

(1) Name of Terminal: SAME AS ABOVE
(a) Address: _____

(b) Person in Charge
Name: _____
Phone Number: _____
Signature: _____

(2) Name of Terminal: _____
(a) Address: _____

(b) Person in Charge
Name: _____
Phone Number: _____
(c) Signature: _____

2. RECEPTION FACILITY INFORMATION. Enter information for each reception facility used by the terminal/port. If necessary, continue on a separate sheet and attach to the back of the Application.

A. (1) Name: C.C.S. (Cowlitz Clean Sweep)

(2) Address 55 INTERNATIONAL WAY LONGVIEW, WA 98632

(3) Person in Charge TODD PARTRIDGE

(4) Phone Number 1888 423 6316

(5) Type of Reception Facility: *(Check those that apply)*

☐ Fixed Mobile: ☒ Truck ☐ Barge ☐ Other

(Describe other) _____

3. RECEPTION REQUIREMENTS:

A. Estimated Daily Capacity of Reception Facility: (metric tons) 340

B. Estimated Daily Capacity Requirement of Terminal/Port: (metric tons) 40

C. Types of Waste the Reception Facility can Receive: OIL

D. Ship Types or Principal Trades of Ships Visiting Terminal(s): BARGES/TANKERS

E. Oily Ballast Waste Transfer Rate (GPM): 100-1,000

F. All Other Oily Residues and Mixtures Transfer Rate (GPM): 100-1000

G. Reception Facility can receive all the oily ballast from ships visiting the terminal or port within 10 hours of waste transfer commencement X Yes ___ No ___ N/A
(If answer is other than "Yes", explain.) _____

H. Reception Facility can receive all other oily residues and mixtures from ships visiting the terminal or port within 4 hours of waste transfer commencement. X Yes ___ No ___ N/A
(If answer is other than "Yes", explain.) _____

I. Reception Facilities for oil waste will be provided within 24 hours of notification. X Yes ___ No ___ N/A
(If answer is other than "Yes", explain.) _____

J. Oily waste will be transferred prior to ship leaving ship repair yard. ___ Yes ___ No X N/A
(If answer is other than "Yes", explain.) _____

CERTIFICATION

I hereby certify that the information provided in this application for a waste reception facility, certificate of adequacy, is complete, true and correct to the best of my knowledge, information and belief.

Signature Terminal/Port Person in Charge John Sherman

Printed or Typed Name of Person in Charge JOHN SHERMAN

Date Signed JANUARY 28, 2005

FORM C
CERTIFICATE OF ADEQUACY (COA) APPLICATION FOR A RECEPTION FACILITY FOR GARBAGE

1. TERMINAL OR PORT INFORMATION

A. Applying as: *(check one)* ☒ Terminal ☐ Port ☐ COTP Designated Port

B. Number of Terminals to which this Application Applies: _____

C. Administrative Information:

(1) Terminal or Port Name: CONOCOPHILLIPS
(2) Address: 5528 NW DOANE AVE. PORTLAND, OR 97210

(3) Terminal/Port Person in Charge
(a) Name: JOHN SHERMAN
(b) Title/Position: TERMINAL SUPERVISOR
(c) Organization: CONOCOPHILLIPS - TRANSPORTATION
(d) Phone Number: 503-248-1576 (DIRECT) 503-248-1538

D. INDIVIDUAL TERMINAL INFORMATION. If applying as a port, list the information indicated for each terminal in the port. If more space is needed, continue on a separate sheet and attach to the back of this Application. Signature of the person in charge of the terminal acknowledges that the terminal agrees and consents to being considered as a member of the port, described in section 1, for the purposes of reception facilities. Complete the terminal name, location, etc. below.

(1) Name of Terminal: SAME AS ABOVE
(a) Address

(b) Person in Charge
Name
Phone Number
Signature

(2) Name of Terminal
(a) Address

(b) Person in Charge
Name
Phone Number
(c) Signature

2. RECEPTION FACILITY INFORMATION. Enter information for each reception facility used by the terminal/port. If necessary, continue on a separate sheet and attach to the back of the Application.

A. (1) Name: SAME AS ABOVE

(2) Address _____

(3) Person in Charge _____
(4) Phone Number _____
(5) Type of Reception Facility: *(Check those that apply)*

☐ Fixed Mobile: ☐ Truck ☐ Barge ☐ Other

(Describe other) _____

3. RECEPTION REQUIREMENTS:

A. Does the terminal/port receive more than 25 visits from vessels arriving from foreign ports (except Canada), Hawaii, or any Territories or Possessions of the United States? X Yes ___ No

If the answer is "No" go to C

B. Does the terminal/port have facilities approved by the Administrator, Animal and Plant Health Inspection Service (APHIS), U.S. Department of Agriculture, for the disposal of garbage from foreign ports (except Canada), Hawaii or any Territories or Possessions of the United States in accordance with Title 9, Code of Federal Regulations, Part 94? X Yes ___ No

If the answer is "No", the applicant may attach a waiver request to this application, in accordance with 33 CFR 158.

CASCADE GENERAL, PORTLAND SHIPYARD — Name of APHIS Approved Facility
AUTOCLAVE — Type (Incinerator, Sterilizer, Autoclave, etc.)
PORTLAND — City
OR — State
503-285-1111 — Phone No.

C. For those ships requiring the services of an APHIS approved facility, would the terminal/port receive all garbage from these ships visiting that terminal/port within 24 hours of the notification of the need for such services? X Yes ___ No

If the answer is "No", the applicant may attach a waiver request to this application, in accordance with 33 CFR 158.

D. Is the terminal/port able to receive all garbage as defined in 33 CFR 158.120 which the master or person-in-charge of a ship desires to discharge, except:

(1) large quantities of spoiled or damaged cargoes not normally expected to be discharged by a ship; or

(2) garbage from ships not having commercial transactions with that terminal/port? X Yes ___ No

If the answer is "No", the applicant may attach a waiver request to this application, in accordance with 33 CFR 158.

CERTIFICATION

I hereby certify that the information provided in this application for a waste reception facility, certificate of adequacy, is complete, true and correct to the best of my knowledge, information and belief.

Signature Terminal/Port Person in Charge — John Sherman
Printed or Typed Name of Person in Charge — JOHN SHERMAN
Date Signed — JANUARY 28, 2005

DEPT. OF TRANSP., USCG, CG-5401C (Rev 1-97)

TOSCO

Tosco Refining Company
A Division of Tosco Corporation
Portland Terminal
5528 Northwest Doane Avenue
Portland, Oregon 97210
P.O. Box 76
Portland, Oregon 97207
Telephone: 503-248-1529
Facsimile: 503-248-1597

30 November, 1999

Petty Officer Chris Baker
U.S. Coast Guard
MSO – Portland
Inspections Branch
6767 – North Basin Avenue
Portland, OR 97217

✓ Dock in manual
✓ Dock on wall
✓ supt office

Re: Certificate of Adequacy

Dear Petty Officer Baker:

In response to the request made by E.W. Parsons, of the U.S. Coast Guard, please find enclosed the following completed forms:

1. Certificate of Adequacy Form A, for a reception facility for oil
2. Certificate of Adequacy Form C, for a reception facility for garbage
3. Certificate of Adequacy Questionnaire
4. Waterfront Facility Survey

Please note that Steve Gloeckner and Anita Rogers are no longer the contact persons for this facility. If you should ever have any questions regarding the terminal operations, please direct them to me.

Should you have any questions regarding this submittal, please call Sandra Matthews at (503) 248-1552, or me at (503) 248-1538.

Sincerely,

John Sherman

John Sherman
Terminal Superintendent

Enclosure

Cc: S. Caddell
S. Matthews
Correspondence File
Terminal Files

FORM A
CERTIFICATE OF ADEQUACY (COA) APPLICATION FOR A RECEPTION FACILITY FOR OIL

1. TERMINAL OR PORT INFORMATION

A. Applying as: *(check one)* ☒ Terminal ☐ Port ☐ COTP Designated Port

B. Number of Terminals to which this Application Applies: 1

C. Administrative Information:

(1) Terminal or Port Name: Tosco Portland Terminal
(2) Address: 5528 NW Doane Avenue, Portland, OR 97210

(3) Terminal/Port Person in Charge
(a) Name: John Sherman
(b) Title/Position: Terminal Superintendent
(c) Organization: Tosco Refining Co. - Distribution West
(d) Phone Number (main): (503) 248-1529 direct (503) 248-1538

D. INDIVIDUAL TERMINAL INFORMATION. If applying as a port, list the information indicated for each terminal in the port. If more space is needed, continue on a separate sheet and attach to the back of this Application. Signature of the person in charge of the terminal acknowledges that the terminal agrees and consents to being considered as a member of the port, described in section 1, for the purposes of reception facilities. Complete the terminal name, location, etc. below.

(1) Name of Terminal
(a) Address
(b) Person in Charge
Name
Phone Number
Signature

(2) Name of Terminal
(a) Address
(b) Person in Charge
Name
Phone Number
(c) Signature

2. RECEPTION FACILITY INFORMATION. Enter information for each reception facility used by the terminal/port. If necessary, continue on a separate sheet and attach to the back of the Application.

A. (1) Name: C.C.S. (Cowlitz Clean Sweep)

(2) Address 55 International Way
Longview, WA 98632

(3) Person in Charge Jeff Wilson
(4) Phone Number (888) 423-6316
(5) Type of Reception Facility: *(Check those that apply)*

☐ Fixed Mobile: ☒ Truck ☐ Barge ☐ Other

(Describe other) _____

3. RECEPTION REQUIREMENTS:

A. Estimated Daily Capacity of Reception Facility: (metric tons) 340

B. Estimated Daily Capacity Requirement of Terminal/Port: (metric tons) 40

C. Types of Waste the Reception Facility can Receive: Oil

D. Ship Types or Principal Trades of Ships Visiting Terminal(s): Tankers

E. Oily Ballast Waste Transfer Rate (GPM): 100 - 1,000

F. All Other Oily Residues and Mixtures Transfer Rate (GPM): 100 - 1,000

G. Reception Facility can receive all the oily ballast from ships visiting the terminal or port within 10 hours of waste transfer commencement — X Yes ___ No ___ N/A
(If answer is other than "Yes", explain.) _____

H. Reception Facility can receive all other oily residues and mixtures from ships visiting the terminal or port within 4 hours of waste transfer commencement. — X Yes ___ No ___ N/A
(If answer is other than "Yes", explain.) _____

I. Reception Facilities for oil waste will be provided within 24 hours of notification. — X Yes ___ No ___ N/A
(If answer is other than "Yes", explain.) _____

J. Oily waste will be transferred prior to ship leaving ship repair yard. — ___ Yes ___ No X N/A
(If answer is other than "Yes", explain.) _____

CERTIFICATION

I hereby certify that the information provided in this application for a waste reception facility, certificate of adequacy, is complete, true and correct to the best of my knowledge, information and belief.

Signature Terminal/Port Person in Charge John Sherman
Printed or Typed Name of Person in Charge JOHN SHERMAN
Date Signed 11-30-99

DEPT. OF TRANSP., USCG, CG-5401A (Rev 1-97)

FORM C
CERTIFICATE OF ADEQUACY (COA) APPLICATION FOR A RECEPTION FACILITY FOR GARBAGE

1. TERMINAL OR PORT INFORMATION

A. Applying as: *(check one)* [X] Terminal [ ] Port [ ] COTP Designated Port

B. Number of Terminals to which this Application Applies: 1

C. Administrative Information:

(1) Terminal or Port Name: Tosco Portland Terminal
(2) Address: 5528 NW Doane Avenue, Portland, OR 97210

(3) Terminal/Port Person in Charge
(a) Name: John Sherman
(b) Title/Position: Terminal Superintendent
(c) Organization: Tosco Refining Co. - Distribution West
(d) Phone Number (main): (503) 248-1529 (direct) (503) 248-1538

D. INDIVIDUAL TERMINAL INFORMATION. If applying as a port, list the information indicated for each terminal in the port. If more space is needed, continue on a separate sheet and attach to the back of this Application. Signature of the person in charge of the terminal acknowledges that the terminal agrees and consents to being considered as a member of the port, described in section 1, for the purposes of reception facilities. Complete the terminal name, location, etc. below.

(1) Name of Terminal
(a) Address
(b) Person in Charge
Name
Phone Number
Signature

(2) Name of Terminal
(a) Address
(b) Person in Charge
Name
Phone Number
(c) Signature

2. RECEPTION FACILITY INFORMATION. Enter information for each reception facility used by the terminal/port. If necessary, continue on a separate sheet and attach to the back of the Application.

A. (1) Name

(2) Address _____

(3) Person in Charge _____
(4) Phone Number _____
(5) Type of Reception Facility: *(Check those that apply)*

☐ Fixed Mobile: ☐ Truck ☐ Barge ☐ Other

(Describe other) _____

3. RECEPTION REQUIREMENTS:

A. Does the terminal/port receive more than 25 visits from vessels arriving from foreign ports (except Canada), Hawaii, or any Territories or Possessions of the United States? X Yes ___ No

If the answer is "No" go to C

B. Does the terminal/port have facilities approved by the Administrator, Animal and Plant Health Inspection Service (APHIS), U.S. Department of Agriculture, for the disposal of garbage from foreign ports (except Canada), Hawaii or any Territories or Possessions of the United States in accordance with Title 9, Code of Federal Regulations, Part 94? X Yes ___ No

If the answer is "No", the applicant may attach a waiver request to this application, in accordance with 33 CFR 158.

Cascade General, Portland Shipyard
Name of APHIS Approved Facility

Autoclave
Type (Incinerator, Sterilizer, Autoclave, etc.)

Portland
City

OR
State

(503)285-1111
Phone No.

C. For those ships requiring the services of an API-US approved facility, would the terminal/port receive all garbage from these ships visiting that terminal/port within 24 hours of the notification of the need for such services? X Yes ___ No

If the answer is "No", the applicant may attach a waiver request to this application, in accordance with 33 CFR 158.

D. Is the terminal/port able to receive all garbage as defined in 33 CFR 158.120 which the master or person-in-charge of a ship desires to discharge, except:

(1) large quantities of spoiled or damaged cargoes not normally expected to be discharged by a ship; or

(2) garbage from ships not having commercial transactions with that terminal/port? X Yes ___ No

If the answer is "No", the applicant may attach a waiver request to this application, in accordance with 33 CFR 158.

CERTIFICATION

hereby certify that the information provided in this application for a waste reception facility, certificate of adequacy, is complete, true and correct to the best of my knowledge, information and belief.

Signature Terminal/Port Person in Charge John Sherman
Printed or Typed Name of Person in Charge JOHN SHERMAN
Date Signed 11-30-99

DEPT. OF TRANSP., USCG, CG-5401C (Rev 1-97)

United States Coast Guard
Marine Safety Office Portland, Oregon

Certificate of Adequacy (COA) Questionnaire

Name of Terminal or Port: Tosco Portland Terminal

Address or Location: 5528 NW Doane Avenue, Portland, OR 97210

Contact Name: John Sherman Phone Number: (503) 248-1538 (direct) (503) 248-1529 (main)

Reference: Title 33 Code Of Federal Regulations Part 158 (33 CFR 158)

The regulations for the adequacy of reception facilities for garbage, oil and noxious liquid substances apply to each port or terminal located in the United States or subject to the jurisdiction of the U. S. *(See 33 CFR 158.120 for definition of port or terminal.)*

1. Does your facility:

   a.) Receive oceangoing tankers? (YES) NO

   b.) Receive oceangoing ships of 400 gross tons or more, carrying residues and mixtures containing oil? (YES) NO

   c.) Receive oceangoing ships carrying Noxious Liquid Substances (NLS)? *(Definition of a NLS is found in 33 CFR 158.120)* YES (NO)

   d.) Receive fishing vessels which offload more than 500,000 pounds of commercial fishery products from all ships during a calendar year? YES (NO)

2. Has the owner or operator of your facility changed since your COA(s) was issued? (YES) NO

   If YES please provide the following information:

   a) Type of COA: (Oil) NLS (Garbage) (Circle all that apply)

   b) COA originally issued to:

   Name of Owner/Operator: Unocal Corporation or Unocal 76

   Address or Location: 5528 NW Doane Avenue, Portland, OR 97210

3. Is your facility listed as a Terminal under a COA issued to a Port Authority? YES (NO)

   If YES please provide the following information:

   a) Type of COA: Oil NLS Garbage (Circle all that apply)

   b) COA issued to:

   Name of Port Authority: _____

   Contact Name: _____ Phone: _____

4. Reception Facilities for Garbage

a) Does your Port /Terminal receive visits from ship from foreign ports other than Canada? (YES) NO

If YES, is the Port /Terminal capable of receiving Department of Agriculture Animal and Plant Health Inspection Service (APHIS) regulated garbage no later than 24 hours after notice by the vessel? (YES) NO

If YES, name of APHIS approved reception facility: Cascade General, Portland Shipyard

b) Is your Port/Terminal capable of receiving medical or hazardous waste, or can you provide the vessel with a list of persons authorized by federal, state and/ local laws to transport and treat such wastes? (YES) NO

c) Is the garbage reception facility arranged so that it does not interfere with Port or Terminal operations? (YES) NO

d) Is the garbage reception facility conveniently located so that mariners unfamiliar with the Port or Terminal can find it easily and so its use will not be discouraged? (YES) NO

e) Does the garbage reception facility hold each federal, state and/or local permit or license required by environmental and public health laws and regulations concerning garbage handling? (YES) NO

f) Is the Port/Terminal able to receive all garbage which the master or person in charge of a ship desires to discharge except for: (YES) NO

1) large quantities of spoiled or damaged cargoes not usually discharged by a ship, or

2) garbage from ships not having commercial transactions with that Port/Terminal.

5. Comments: Alternative APHIS approved facility will be the Marion County landfill, equipped with an incinerator for treatment of such waste. Contact garbage collection agency such as A66 Enterprises Inc., at (503) 283-2016 to provide containers for APHIS waste including receptacle liners.

Signature John Sherman

Printed Name JOHN SHERMAN

Title TERMINAL SUPERINTENDENT

Date 11-30-99

Email Address JSHERMAN @ TOSCO. COM

DEPARTMENT OF TRANSPORTATION
UNITED STATES COAST GUARD

MARINE SAFETY OFFICE
PORTLAND, OREGON

WATERFRONT FACILITY SURVEY

DIRECTIONS: This survey is to be completed biennially for each designated waterfront facility as described by Title 33 Code of Federal Regulations Part 126. This survey provides information to allow the Coast Guard to develop and maintain current contingency plans for responses to emergency situations which may arise. All items should be completed as thoroughly as possible. If more room is needed, attach additional sheets. All information gathered for this survey is to be treated as completely confidential and releasable only under the authority of the facility operator and the Freedom of Information Act.

PART I
GENERAL INFORMATION

A. Name of Facility Tosco Portland Terminal

Physical Address 5528 NW Doane Avenue, Portland, OR 97210

Mailing Address P.O. Box 16, Portland, OR 97207

Geographic Location The facility is located northwest of the city of Portland

Latitude 45° 34' 20" N Longitude 122° 44' 08" W River Mile 7.8

B. Operator Tosco Portland Terminal Phone (503) 248-1529

C. Owner Tosco Refining Company - Distribution West Phone (562) 906-7506

D. Coast Guard Contact Petty Officer Chris Baker Phone (503) 240-9333

Coast Guard Contact Email Address unknown

E. Facility Manager John Sherman Phone (503) 248-1538

F. Emergency Contact John Sherman Phone (503) 248-1538

Emergency Contact Vito DeBellis Phone (503) 248-1572

G. Hours of Operation 24-hours

H. Current facility response plan provided? YES X NO ____ (If NO, include one with this survey)

I. Qualified Individual John Sherman Phone (503) 248-1538

Qualified Individual Shawn Gilfillan Phone (503) 248-1537

PART II
CARGO HANDLING SYSTEM

A. Cargoes Handled at Facility:

Cargo	Storage Capacity	Synonyms
1. Unleaded gasoline	244,642 bbl	87 unleaded, 92 or premium unleaded, 84 or subgrade
2. Kerosene	18,580 bbl	Heating Oil Jet Kerosene
3. Diesel #2	154,105 bbl	
4. Industrial Fuel Oil	80,176 bbl	
5. Marine Fuel Oil	120,019 bbl	Decant Oil, PS-300, Marine Diesel
6. Base Oil	64,082 bbl	100, 1391, 150, 190, and 600 Neutral, and 190 Bright Stock
7.		

B. Type(s) of Vessel(s) Accommodated (include approximate gross tons and the numbers and types which may be handled simultaneously at the facility):

Tankers, barges, ships, and tugs. The length of the largest tankers and barges routinely calling on the dock are 650 ft and 400 ft respectively. The capacities of tankers calling at the dock average 200,000 to 250,000 bbl whereas barges average 10,000 bbls and tugs 30,000 gal. Two barges or one barge and a tanker or a barge and tug may be accomodated at one time at the dock.

C. Cargo handling system(s) used at facility:

i. Number of pumps: 11 Location: Throughout facility

ii. Number of manifolds: 24 Location: Dock (headers)

iii. Number of piping systems with manifolds on the dock: 14

iv. Maximum rate of flow the facility can accept: 6,000 bbl/hr

v. Maximum rate of flow the facility can deliver: 3,143 bbl/hr

vi. Are pumps used to deliver cargo? YES X NO ____ % 75

vii. Is gravity used to deliver cargo? YES X NO ____ % 25

(If both pumps and gravity are used, fill in percentage of time each is used to deliver cargo to vessels)

Revised 9/1999

viii. Radio frequencies used by transfer personnel: 451.675

ix. Cranes available? YES ____ NO X Max lift _____ Max reach over water _____

D. Describe the facility, including tank farms, berths, buildings, pipelines, water intakes and outfalls, permitted discharges, cranes, tugs, and any special features, (NOTE: Aerial photographs of the facility would be helpful. If facility has extra copies, or if copies can be made, include with survey.)

Please see attached site plan. A detailed site description can be found in Appendix A of the Spill response plan.

PART III
FIREFIGHTING EQUIPMENT

A. Describe fire alarm system in place.

Please see attached. A detailed description can be found in sections 2.9 and 4.0 of the Spill Response Plan.

B. International Shore Connection.

i. Number available 1

ii. Permanently installed? YES X NO ____ If yes, describe the installation and location:

Upstream side of dock office.

C. Fire pumps.

i. Available? YES X NO ____

ii. Number installed (1) Foam truck

iii. Capacity 500gal.

Revised 9/1999

iv. Normal drive: N/A

v. Emergency drive: N/A

vi. Location of fire pumps: Mobile foam truck

D. Fire Hydrants:

i. Number on facility: 14

ii. Locations: Throughout facility

E. Fire Hoses:

i. Number of fire stations on facility: None

ii. Number of fire stations on docks: None

iii. Number of hoses by sizes: 3/4" _____ 1-1/2" 1 2-1/2" _____ Other _____

iv. Types of equipment used (i.e. nozzles, fog applicators, etc.)

"Suicide Nozzle" _____	Navy all purpose nozzle _____
4' Fog applicator _____	10' Fog applicator _____
12' Fog applicator _____	Foam monitors X

Other equipment: _____

F. Foam capability YES X NO ____

i. Quantity on hand 3,420 gal. concentrate

ii. Capacity _____

G. Sprinkler system(s) YES X NO__

i. Location(s) deluge system under dock, and at the refined product loading rack.

Revised 9/1999

ii. Water Supply: Facility pump _____ Fire hydrant X Fixed piping X

iii. Location of control valves: At dock approach

(fire hydrants are located throughout facility)

iv. System type: Wet _____ Dry X

Fusible link _____ Positive pressure X

Other: _____

H. Portable and semi-portable fire extinguishers.

i. Number of portable: 116 Types: CO_2, dry chemical, halon, ammonium phosphate

ii. Number of semi-portable: 1 Types: 350 lb dry chemical extinguisher

I. Other fire fighting equipment installed: (1) fixed halon system in computer room; foam injection systems on internal floating roof tanks

J. Nearest fire department station providing first response protection Station 6, 3660 SW Front Avenue, Portland, OR

PART IV
POLLUTION ABATEMENT EQUIPMENT

A. Describe the pollution response equipment available. (on-site equipment)

i. Boats: 1-14ft Aluminum skiff w/ 9.6 hp O.B. 1-20ft Alumaweld workboat w/ 200 hp O.B., 1-18ft Boston Whaler w/ 175 hp O.B

ii. Booms: 3,400-ft of calm water kepner, 8"x12" boom

iii. Absorbent materials: 5 to 15 38"x144' continuous absorbent rolls; 15 to 30 bales of 17"x19" sorbent pads; 5 to 15 boxes of sorbent snares (pompoms); 2 to 10 bales of 8"x10' sorbent booms.

Revised 9/1999

iv. Other materials: 8 - Double diaphram pumps 1.5" - 2.0" pneumatic; 2-500 gal. trailer tanks w/air pumps; 1-1,000 gallon trailer tank w/ electrical pump; 1-300 gal. trailer tank w/electrial pump. 50-55 gal. drums

v. Location of materials: dock, trailer at dock, asphalt shed, various throughout terminal.

B. Does facility have a contract with spill response company or co-op to handle cleanups? If yes, who?

Yes. Clean Rivers, Cowlitz Clean Sweep, Foss Environmental.

PART V
SECURITY SYSTEMS

A. Access Control

i. Perimeter security (eg. fences etc.) The perimeter of the facility is surrounded by a cyclone fence except along the waterfront on either side of the dock.

ii. Gates (number & type, how secured etc.) There are two gates that control access to the truck loading rack, two that control access to the facility, and one for the marine dock. They are normally closed and locked during the off-hours and are controlled through a cardlock system.

iii. Lighting (include emergency power source if any) Security lighting is provided by floodlights at the pumps, on the truck loading racks, and near all major operations.

iv. IDS (eg. TV monitors, alarms etc.) There are two monitors. One at the truck loading rack and a second at the truck scale along Doane Avenue.

v. ID required? YES ____ NO X Type(s) _____

B. Security Forces (type, availability, responsibilities) See section 2.3.4 of the Spill Response Plan.

C. Communications (type & frequencies) See attached. A description of the communication system is provided in section 7.0 of the Spill Response Plan.

D. Emergency Plans Crisis Management and Emergency Response Plan, Spill Response Plan, Storm Water Pollution Control Plan, Spill Prevention, Control, and Countermeasure Plan, Marine Terminal Operations Manual, Accidental Spill Prevention Plan.

Name of person preparing this form: Sandra Matthews

Title: Environmental Compliance Specialist

Date: 11/24/99

FOR COAST GUARD USE ONLY:

FIN: _____

MSIS/AR: Reg CG ____ hrs Res CG ____ hrs 0th CG ____ hrs

PS: _____

Revised 9/1999

FIGURE 4-5
FIRE RESPONSE EQUIPMENT
TOSCO PORTLAND TERMINAL

Location	Type	Quantity
Computer Room	Fixed Halon System	1
Allen Bradley Control Room	Halon Extinguisher	1
Equipment Room - Office	Halon Extinguisher	1
Lube Blender Control Room	Halon Extinguisher	1
Boiler Room	Halon Extinguisher	1
Shop	Halon Extinguisher	1
Throughout Terminal	Dry Chemical Extinguishers	Approx. 90
Throughout Terminal	CO_2 Extinguishers	17
HES Office, Acetylene Cart, Spare	Ammonium Phosphate Extinguishers	3
Refined Product Truck Rack	Fire Monitors	4
Refined Product Truck Rack	Deluge/Foam System	1
Refined Product Truck Rack	250 lb Dry Chemical Extinguisher	1
Lube Truck Rack	Deluge System	
Dock	Fire Monitors	5
Dock (Underside)	Deluge System	1
Dock	Hose Reels	3
Warehouse/Office	Hose Cabinets	6
Asphalt Shed	Foam Trailer (500 gal AFFF-ATC)	1
Asphalt Shed	AFFF Foam (55 gal drums)	23
Garage (Shed)	National Aerofoam XL-3 (5 gal pails)	31
Main Fire System Storage Tank	AFFF-ATC Foam (gals)	2,000
Tank Farm 2 (internal floating roof tanks)	Foam Injection Systems	8
Spill Trailer	Dry Chemical Extinguishers	2
Foam Trailer	250 Gal AFFF Foam	1
Ferndale Refinery	330 Gal Takes AFFF-ATC Foam	4
Ferndale Refinery	3500 Gal AFF-ATC Foam Tender	1
Ferndale Refinery	2-2,000 gpm monitors on trailer	1

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FIGURE 7-1
COMMUNICATION EQUIPMENT FOR OIL SPILL RESPONSE AT THE TOSCO PORTLAND TERMINAL

Equipment Location/Type	Quantity	Frequencies/ Phone Number	Range
Portland Terminal			
UHF hand-held, 2-channel radios	15	Channel 1 (Lubes/Emergencies) - 456.675 MHz (Tx & Rx) Channel 2 (Bulk Handling/Maint.) – 451.675 (Tx & Rx)	Line of sight (2-5 miles)
UHF hand-held, 10-channel radios	10	Channel 1 (Lubes/Emergencies) - 456.675 MHz (Tx & Rx) Channel 2 (Bulk Handling/Maint.) - 451.675 (Tx & Rx) Channel 3 (Clean Sound) – 454.000 MHz (Tx & Rx) Channel 4 (Clean Sound) – 454.000 MHz (Tx & Rx) Channel 5 (Clean Sound) – 459.00/454.00 MHz (Tx/Rx) Channel 6 (Tacoma) – 462.525 MHz (Tx & Rx) Channel 16 (Scan) – 451 to 463 MHz	Line of sight (2-5 miles)
VHF hand-held, 48 - channel radios	3	Channels 11 to 22 for Clean Rivers operations plus various other channels for communications with Coast Guard, Fire Net, Portland Fire Dept., and various county sheriff and fire departments	Line of sight (2-5 miles)
Cellular Phones	9	See Figure 3-3 for names and phone numbers	Unlimited
Telephones in Command Center	4	Operations – (503) 248-1501 Planning – (503) 248-1502 Logistics – (503) 248-1503 Finance – (503) 248-1567	Unlimited
Facsimile	1	(503) 248-1597	Unlimited
Santa Fe Springs, CA Office			
UHF hand-held, 48-channel, 4-watt radios	10	Frequencies range from 450 – 520 MHz	Line of sight (2-5 miles)
UHF battery operated, 25-watt duplex repeaters	1	454.000 MHz Tx & 459.000 MHz Rx	25 miles
	1	451.600 MHz Tx & 456.600 MHz Rx	25 miles
UHF desk top, 4-channel, 40-watt, base stations	2	Frequencies range from 450 – 470 MHz	50 miles

FIGURE 7-2
FEDERAL/STATE RADIO FREQUENCY MANAGEMENT MATRIX

Agency	Department	Frequency (MHz)	Use	Comment
U.S. Coast Guard	MSO	157.075	Primary	Marine Channel 81A
	MSO	157.175	Secondary	Marine Channel 83A
	OSC	156.135	On-Scene Command and Coordination	
NOAA	Weather	162.475		
LERN	Law Enforcement	155.37	State/Local Law Enforcement Agencies	
DEQ	Fire Net	154.280	Pollution Response	

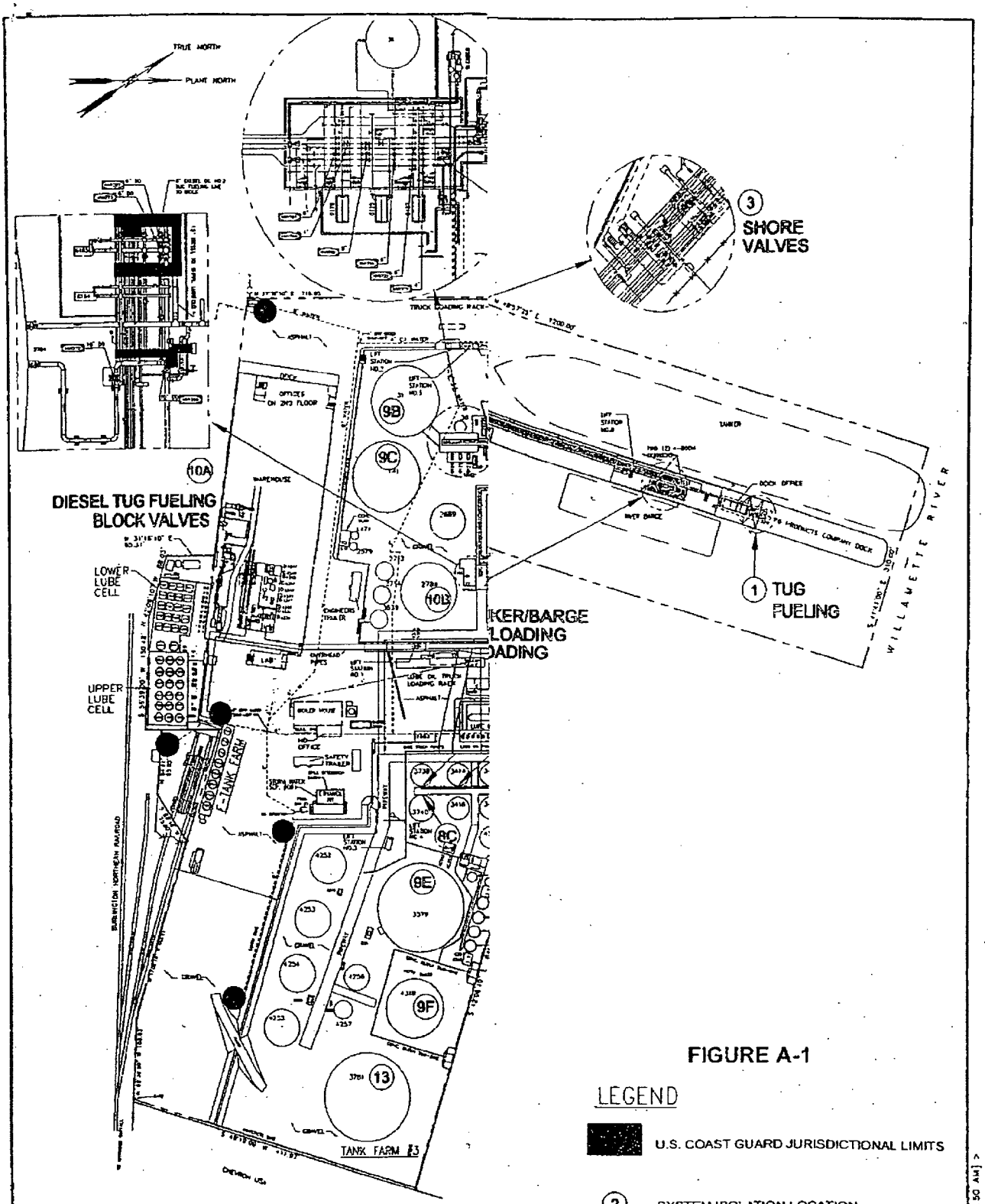

FIGURE A-1

LEGEND

- U.S. COAST GUARD JURISDICTIONAL LIMITS
- (2) SYSTEM ISOLATION LOCATION
- FIRE HYDRANTS

DRAWING NO.	REFERENCE DRAWINGS
0608-C-1020	DOCK FACILITIES
0608-C-1021	TANK FARM NO.2 GENERAL ARRANGEMENT
0608-C-1022	TANK FARM NO.1 GENERAL ARRANGEMENT
0608-C-1023	TANK FARM NO.3 GENERAL ARRANGEMENT

DRAWN BY	D.A.BYNUM	PORTLAND TERMINAL
CHKD BY	MK	PORTLAND, OREGON
APPD BY	MK	SITE PLAN PIPELINE SYSTEM ISOLATION FIRE HYDRANTS USCG JURISDICTION
SCALE	AS SHOWN	
DATE	08/26/97	DRAWING NO. 0608-C-1200 · SHEET 1 OF 1 · REV 1

INC.

08C1200I.DWG <CPD: 09/17/97 [TIME: 08:05 AM]>

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COPY PROVIDED BY USCG

15 Min. Per Resp.
OMB No. Approved 2115-0543
Exp. Date 12/31/91

APPLICATION FOR A CERTIFICATE OF ADEQUACY

FOR
GARBAGE RECEPTION FACILITIES

FORM C

RECEIVED 30 OCT 91

The Act to Prevent Pollution From Ships (33 USC 1901) authorizes the Department of Transportation to issue certificates to terminals and ports verifying their adequacy to receive operational garbage from ships. Regulations implementing this program are in 33 Code of Federal Regulations Part 158. To continue to receive ships at a port or terminal, an applicant must hold a Certificate of Adequacy for Garbage if it receives oceangoing tankers, or any other oceangoing ship of 400 gross tons or more, carrying residues and mixtures containing oil; if it receives oceangoing ships carrying noxious liquid substances; or if it receives fishing vessels which offload more than 500,000 pounds of commercial fish products during a calendar year. To recieve a Certificate of Adequacy for Garbage Reception Facilities application is required on this form.

Definitions:

"Terminal": an onshore facility or an offshore structure located in the navigable waters of the United States or subject to the jurisdiction of the United States and used, or intended to be used, as a port or facility for the transfer or other handling of a harmful substance. The definition of "navigable waters" for the purposes of this section may be found in 33 CFR 2.05-25. Garbage is considered a harmful substance under MARPOL 73/78.

"Port": (1) a group of terminals that combines to act as a unit and be considered a port for purposes of this part; or (2) A port authority or other organization that chooses to be considered a port for purposes of this part; and (3) a place (i.e. lightering area) or facility that has been specifically designated as a port by the Captain of the Port.

1 *Complete this section if you are applying as a single "Terminal."*

A. Terminal Section:

UNOCAL CORPORATION
Name of Terminal

5528 N. W. Doane Ave.
Street Address

Portland, Oregon 97210
City State Zip

Michael R. Caldwell
Name of Terminal Person in charge

(503) 248-1530
Phone number area code

Crosby & Overton
Name of reception facility (*if subcontracted*)

Portland, Oregon
Location of reception facility (City, State)

2 Check the following boxes if the terminal receives or discharges any of the following commodities from or to ships visiting the terminal:

- ☒ Oil or petroleum products ☒ Discharge ☒ Receive
- ☐ Bulk dry cargoes ☐ Discharge ☐ Receive
- ☐ Bulk chemicals ☐ Discharge ☐ Receive
- ☐ Fish ☐ Discharge ☐ Receive
- ☐ Liquified gases ☐ Discharge ☐ Receive
- ☐ General cargo ☐ Discharge ☐ Receive
- ☐ Other_____ ☐ Discharge ☐ Receive

3 Check the following boxes if the terminal handles or services any of the following ships:

- ☒ Ships of foreign registry
- ☒ U.S. ships in domestic trade
- ☐ U.S. ships in foreign trade
- ☐ Passenger ships
- ☐ Vessels servicing the offshore mineral and oil industry
- ☒ Unmanned barges
- ☐ Chemical ships
- ☐ Container ships
- ☐ Break bulk ships
- ☐ Ferry boats
- ☐ Fishing vessels

After completing this section go to Section C.

1 *Complete this section if you are applying as a "Port."*

B. Port Section:

Name of Port

Name of Port Person in charge

Street Address

City State Zip

( ) -
Phone number area code

Name of reception facility (*if subcontracted*)

Location of reception facility (City, State)

Number of Terminals which will be members of this Port?_____

Section B continues on the next page ➡

DEPT. OF TRANSP., USCG-CG-5401C (3-89)
LOCAL REPRO

EXCLUSIVES (2)

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Section D:

Does the terminal or port receive visits from ships arriving from foreign ports (except Canada).

[X] Yes [ ] No *If the answer is "NO" go to question number 4.*

2. Does the terminal or port have facilities, either onboard or on contract, approved by the Administrator, Animal and Plant Health Inspection Service (APHIS), U.S. Department of Agriculture, for the disposal of garbage from foreign ports (except Canada) in accordance with 7 CFR 330.400 and 9 CFR94.5.

[X] Yes [ ] No *(If the answer is "No" you may attach a waiver request in accordance with 33 CFR 158 on a separate attached sheet.)*

Portland Ship Repair Yard — NAME OF APHIS APPROVED DISPOSAL FACILITY

Autoclave — TYPE (INCINERATOR, STERILIZER, AUTOCLAVE, ETC.)

Portland — CITY

Oregon — STATE

(503)248- 1530 — PHONE NUMBER (area code)

3. For those terminal(s)/port(s) requiring the services of an Animal and Plant Health Inspection Service approved facility, is the terminal or port capable of receiving all garbage from these ships visiting the terminal/port within 24 hours of vessel after notification of need for such services is given?

[X] Yes [ ] No *(If the answer is "No" you may attach a waiver request in accordance with 33 CFR 158 on a separate attached sheet.)*

Is the terminal or port able to receive all garbage as defined in 33 CFR 158.120 which the master or person in charge of a ship desires to discharge, except:

(1) large quantities of spoiled or damaged cargoes not usually discharged by a ship; or

(2) garbage from ships not having commercial transactions with that terminal or port?

[X] Yes [ ] No *(If the answer is "No" you may attach a waiver request in accordance with 33 CFR 158 on a separate attached sheet.)*

The terminal/port person in charge identified in the Application shall notify the U. S. Coast Guard Captain of the Port (COTP) in writing 30 days after any of the terminal/port information identified under 33 CFR 158.165(b)(3) changes.

Civil Penalties. A person who, after notice and an opportunity for a hearing, is found:

a. to have made a false, fictitious or fraudulent statement or representation in any matter in which a statement or representation is required to be made under the Act to Prevent Pollution from Ships, or the regulations thereunder, shall be liable to the United States for a civil penalty, not to exceed $5,000 for each statement or representation; or

b. to have violated the Act to Prevent Pollution from Ships, or the regulations issued therunder, shall be liable to the United States for a civil penalty, not to exceed $25,000, for each violation. Each day of a continuing violation constitutes a separate

CERTIFICATION

I HEREBY CERTIFY THAT THE INFORMATION PROVIDED IN THIS APPLICATION FOR A GARBAGE RECEPTION FACILITY CERTIFICATE OF ADEQUACY FOR GARBAGE RECEPTION FACILITIES IS COMPLETE, TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF.

SIGNATURE OF TERMINAL/PORT PERSON IN CHARGE: M. R. Caldwell

PRINTED OR TYPED NAME OF PERSON IN CHARGE: M. R. Caldwell

DATE SIGNED: 10/25/89

ON OR BEFORE AUGUST 27, 1989 MAIL APPLICATION TO:
COMMANDANT (G-MPS-1), U.S. COAST GUARD HEADQUARTERS
2100 SECOND STREET S.W.
WASHINGTON, D.C. 20593-0001
ATTENTION: RECEPTION FACILITY DESK

AFTER AUGUST 27, 1989 MAIL APPLICATION TO:
THE LOCAL U.S. COAST GUARD CAPTAIN OF THE PORT (COTP) OFFICE
(SEE PAGE 3 FOR THE LIST OF COTP OFFICES)

FORM A
APPLICATION FOR A RECEPTION FACILITY
CERTIFICATE OF ADEQUACY
FOR OIL

COPY PROVIDED BY USCG

I. PARTICULARS OF TERMINAL OR PORT

A. APPLYING AS: *(check one)* ☒ Terminal ☐ Port ☐ COTP Designated Port

B. NUMBER OF TERMINALS TO WHICH THIS APPLICATION APPLIES: ONE (1)

C. TERMINAL INFORMATION:

(1) NAME OF TERMINAL/PORT: ~~UNOCAL 76~~ Tosco Portland Terminal
(2) ADDRESS OF TERMINAL/PORT: 5528 N. W. Doane Avenue, Portland, Oregon 97210
(3) NAME OF TERMINAL/PORT PERSON IN CHARGE: ~~Michael R. Caldwell~~ John Sherman
(4) TITLE/POSITION: Terminal Manager
(5) ORGANIZATION: ~~Unocal 76~~ Tosco Refining Company - Distribution West
(6) OFFICE PHONE NUMBER: ~~(503) 248-1530~~ (503) 248-1538

D. INDIVIDUAL TERMINAL INFORMATION: If applying as a port, list the information indicated for each terminal in the port. If more space is needed, continue on a separate sheet and attach to the back of the Application. Signature of person in charge of terminal acknowledges that terminal agrees and consents to being considered as a member of the port, described in section 1, for the purposes of reception facilities. Complete the terminal name, location, etc. below.

(1) NAME OF TERMINAL
(a). ADDRESS OF TERMINAL
(b). NAME/TITLE PERSON IN CHARGE
(c). OFFICE PHONE NUMBER ( )
(d). SIGNATURE TERMINAL PERSON IN CHARGE

(2) NAME OF TERMINAL
(a). ADDRESS OF TERMINAL
(b) NAME/TITLE PERSON IN CHARGE
(c). OFFICE PHONE NUMBER ( )
(d). SIGNATURE TERMINAL PERSON IN CHARGE

2. PARTICULARS OF RECEPTION FACILITY Enter information for each reception facility used by the terminal/port. If necessary, continue on a separate sheet and attach to the back of the Application

A. (1) NAME OF RECEPTION FACILITY: Crosby & Overton, Inc. Cowlitz Clean Sweep
(2) ADDRESS: 5420 N. Lagoon, Portland, Oregon 97217 55 International Way, Longview, WA 98632

ENCLOSURES (/)

(DT TRANSP.-USCG-CG-SUBITA) (6.86)

(3) NAME/TITLE PERSON IN CHARGE ~~Bob Olson, General Manager~~
Jeff Wilson / President
~~Darrel Wimberger, Operations Manager~~

(4) OFFICE PHONE NUMBER ~~(503) 289-5749~~ ~~(360) 423-6316~~ (888) 423-6316 ~~957-2015~~

(5) TYPE OF RECEPTION FACILITY: Check those that apply.

☐ FIXED MOBILE: ☒ TANK TRUCK ☐ TANK BARGE ☐ OTHER

(Describe other) _____

3. RECEPTION AND TRANSFER REQUIREMENTS:

A. ESTIMATED DAILY CAPACITY OF RECEPTION FACILITY: (metric tons) oil/re-refining — 355

B. ESTIMATED DAILY CAPACITY REQUIREMENT OF TERMINAL/PORT: (metric tons) — ~~20~~ 40

C. TYPES OF WASTE THE RECEPTION FACILITY CAN RECEIVE: — Oil

D. SHIP TYPES OR PRINCIPAL TRADES OF SHIPS VISITING TERMINAL(S): TANKERS

E. OILY BALLAST WASTE TRANSFER RATE (GPM): — 350

F. ALL OTHER OILY RESIDUES AND MIXTURES TRANSFER RATE (GPM): — 350

G. RECEPTION FACILITY CAN RECEIVE ALL THE OILY BALLAST FROM SHIPS VISITING THE TERMINAL OR PORT WITHIN 10 HOURS OF WASTE TRANSFER COMMENCEMENT. Enter either "YES", "NO", or "N/A" — Yes

(If entering other than "YES" explain.) _____

H. RECEPTION FACILITY CAN RECEIVE ALL ~~THE OILY BALLAST~~ OTHER OILY RESIDUES & MIXTURES FROM SHIPS VISITING THE TERMINAL OR PORT WITHIN 4 HOURS OF WASTE TRANSFER COMMENCEMENT. Enter either "YES", "NO", or "N/A". — Yes

(If entering other than "YES" explain.) _____

3.I. RECEPTION FACILITIES FOR OIL WASTE WILL BE PROVIDED WITHIN 24 HOURS OF NOTIFICATION. Enter either "YES," "NO", or "N/A" — Yes

(If entering other than "YES" explain.) _____

J. OILY WASTE WILL BE TRANSFERRED PRIOR TO SHIP LEAVING SHIP REPAIR YARD. Enter either "YES," "NO", or "N/A".

(If entering other than "YES", explain) _____ N/A

CERTIFICATION

I HEREBY CERTIFY THAT THE INFORMATION PROVIDED IN THIS APPLICATION FOR A WASTE RECEPTION FACILITY CERTIFICATE OF ADEQUACY IS COMPLETE, TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF

SIGNATURE TERMINAL/PORT PERSON IN CHARGE — M. R. Caldwell

PRINTED OR TYPED NAME OF PERSON IN CHARGE — M. R. Caldwell

DATE SIGNED — February 20, 1986

FIGURES USED IN FORM A

FAX TRANSMITTAL

Transmission may contain privileged and confidential information.

The information in this transmission is intended for the named recipient(s) only and may contain information that is privileged, confidential and exempt from disclosure under applicable law.

COWLITZ CLEAN SWEEP INC. DIVISION OF PNE CORP.

Cowlitz Clean Sweep, Inc.
55 International Way
Longview, Washington 98632

Phone: (360) 423-6316
Fax: (360) 423-3409

FROM: Jeff

Attention: Sandy

Company To: TOSCO

Fax: 503-248-1592

Phone:

Date: 10.26

No. of Pages: 2

Re:

Please reply by: _____ Fax _____ Phone _____ Mail _____ No Reply Necessary

STORAGE AND RECOVERY

Equipment #	Capacity	Recovery Rate	"D" Rated Recovery
PT-71	None	1,000 gpm	200 gpm
PT-72	None	1,000 gpm	200 gpm
PP-1	1,000 g	100 gpm	20 gpm
PP-2	1,000 g	100 gpm	20 gpm
#22	500 g	200 gpm	40 gpm
#44	4,000 g	None	
#55	3,400 g	400 gpm	80 gpm
#56	3,400 g	400 gpm	80 gpm
#58	3,400 g	400 gpm	80 gpm
#62	2,500 g	400 gpm	80 gpm
#63	2,500 g	400 gpm	80 gpm
#64	2,500 g	400 gpm	80 gpm
#65	2,000 g	200 gpm	40 gpm
#66	3,000 g	400 gpm	80 gpm
PT-53	5,040 g	400 gpm	80 gpm
PT-54	5.040 g	400 gpm	80 gpm
PT-66	5,400 g	None	None
PTX-1	20,000 g	None	None
PFT-1	9,000 g	None	None
PT-59	5,040 g	400 gpm	80 gpm
#69	2,000 g	200 gpm	40 gpm
#70	2,000 g	200 gpm	40 gpm
#71	3,000 g	400 gpm	80 gpm
3" Skim Pak	None	800 gpm	160 gpm
3" Skim Pak	None	800 gpm	160 gpm
3" Skim Pak	None	800 gpm	160 gpm
2" Skim Pak	None	600 gpm	120 gpm

- Misc. trash pumps not figured into calculations.

Totals: Interim Storage Capacity

89,720 gallons
2,136 Barrels

Totals: Recovery Rate

10,400 gpm
624,000 gph
14,857 bph

Totals: "D" Rated Recovery

2,080 gpm
124,800 gph
2,971 bph

storage and recovery.

United States Coast Guard

Certificate of Adequacy

for

Reception Facilities

This certifies that ConocoPhillips Portland Terminal, 5528 NW Doane Avenue, Portland, Oregon 97210 has facilities adequate to receive: OIL and GARBAGE

from oceangoing ships, as required by the International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978 (MARPOL 73/78), The Act to Prevent Pollution from Ships, 33 USC 1901-1912 and associated U.S. Regulations in 33 CFR 158.

This certificate is issued pursuant to an application dated January 28, 2005 and an inspection dated January 25, 2005, copies of which are attached, and part of this certificate. Each terminal listed in the application shall maintain a copy of this certificate available for inspection by Coast Guard personnel and the master, operator, agent, or owner of any ship using or intending to use this terminal.

Terminals and ports required to have an operations manual for oil transfer described in 33 CFR 154.300 shall attach a copy of this certificate thereto.

The terminal/port person in charge identified in the attached application shall notify the U.S. Coast Guard Captain of the Port (COTP) in writing after any of the reception facility information or terminal/port information identified in 33 CFR 158.165 changes.

The terminal/port owner, operator, or person in charge are liable for civil penalties of up to $32,500 for violations of the provisions of 33 CFR 158.

The terminal/port owner, operator, or person in charge shall ensure that the reception facility holds each state, local, and federal permit and license required by environmental laws and regulations concerning garbage, residues and mixtures containing oil or noxious liquid substances. This certificate certifies compliance with applicable sections of 33 CFR 158, but does not certify compliance with any other law or regulation.

This certificate is valid for a period of 5 years from the date issuance; or until suspended or revoked; or until 30 days after the operator cited on the certificate changes; at which time it shall be promptly returned to the U.S. Coast Guard COTP.

Lieutenant (Junior Grade) Eric May, CT56/W34 — 1 03 FEB 2005
By direction of the Captain of the Port — Date

THIS CERTIFICATE EXPIRES:

5 YEARS FROM THE DATE OF ISSUANCE

Paul D. Jewell
Typed name of Captain of the Port

Portland, OR — COTP Zone
(503) 240-9333 — Phone

The following waivers to this certificate are granted. The waivers shall be attached to and are part of this certificate.

Waiver Description (*brief description*)	Expiration Date (*if applicable*)

DEPT OF TRANSP., USCG, CG-5401 (REV 1-97)
Previous Editions are Obsolete

Certificate of Adequacy Inspection Endorsement

(to be endorsed after each reception facility inspection)

Date	Inspector's Name (typed or printed)	Inspector's Signature

COPPOR00002002

FORM A
CERTIFICATE OF ADEQUACY (COA) APPLICATION FOR A RECEPTION FACILITY FOR OIL

1. TERMINAL OR PORT INFORMATION

A. Applying as: *(check one)* ☒ Terminal ☐ Port ☐ COTP Designated Port

B. Number of Terminals to which this Application Applies: _____

C. Administrative Information:

(1) Terminal or Port Name: CONOCOPHILLIPS PORTLAND TERMINAL
(2) Address: 5528 NW DOANE AVE. PORTLAND OREGON, 97210

(3) Terminal/Port Person in Charge
- (a) Name: JOHN SHERMAN
- (b) Title/Position: TERMINAL SUPERVISOR
- (c) Organization: CONOCOPHILLIPS - TRANSPORTATION
- (d) Phone Number: 503 248 1576 DIRECT - 503 248 1538

D. INDIVIDUAL TERMINAL INFORMATION. If applying as a port, list the information indicated for each terminal in the port. If more space is needed, continue on a separate sheet and attach to the back of this Application. Signature of the person in charge of the terminal acknowledges that the terminal agrees and consents to being considered as a member of the port, described in section 1, for the purposes of reception facilities. Complete the terminal name, location, etc. below.

(1) Name of Terminal: SAME AS ABOVE
- (a) Address: _____
- (b) Person in Charge
  - Name: _____
  - Phone Number: _____
  - Signature: _____

(2) Name of Terminal: _____
- (a) Address: _____
- (b) Person in Charge
  - Name: _____
  - Phone Number: _____
- (c) Signature: _____

2. RECEPTION FACILITY INFORMATION. Enter information for each reception facility used by the terminal/port. If necessary, continue on a separate sheet and attach to the back of the Application.

A. (1) Name: C.C.S. (COWLITZ CLEAN SWEEP)

(2) Address 55 INTERNATIONAL WAY
LONGVIEW, WA 98632

(3) Person in Charge TODD PARTRIDGE
(4) Phone Number 1888 423 6316
(5) Type of Reception Facility: *(Check those that apply)*

☐ Fixed Mobile: ☒ Truck ☐ Barge ☐ Other

(Describe other) _____

3. RECEPTION REQUIREMENTS:

A. Estimated Daily Capacity of Reception Facility: (metric tons) 340

B. Estimated Daily Capacity Requirement of Terminal/Port: (metric tons) 40

C. Types of Waste the Reception Facility can Receive: OIL

D. Ship Types or Principal Trades of Ships Visiting Terminal(s): BARGES/TANKERS

E. Oily Ballast Waste Transfer Rate (GPM): 100-1,000

F. All Other Oily Residues and Mixtures Transfer Rate (GPM): 100-1000

G. Reception Facility can receive all the oily ballast from ships visiting the terminal or port within 10 hours of waste transfer commencement X Yes ___ No ___ N/A
(If answer is other than "Yes", explain.) _____

H. Reception Facility can receive all other oily residues and mixtures from ships visiting the terminal or port within 4 hours of waste transfer commencement. X Yes ___ No ___ N/A
(If answer is other than "Yes", explain.) _____

I. Reception Facilities for oil waste will be provided within 24 hours of notification. X Yes ___ No ___ N/A
(If answer is other than "Yes", explain.) _____

J. Oily waste will be transferred prior to ship leaving ship repair yard. ___ Yes ___ No X N/A
(If answer is other than "Yes", explain.) _____

CERTIFICATION

I hereby certify that the information provided in this application for a waste reception facility, certificate of adequacy, is complete, true and correct to the best of my knowledge, information and belief.

Signature Terminal/Port Person in Charge John Sherman
Printed or Typed Name of Person in Charge JOHN SHERMAN
Date Signed JANUARY 28, 2005

FORM C
CERTIFICATE OF ADEQUACY (COA) APPLICATION FOR A RECEPTION FACILITY FOR GARBAGE

1. TERMINAL OR PORT INFORMATION

A. Applying as: *(check one)* ☒ Terminal ☐ Port ☐ COTP Designated Port

B. Number of Terminals to which this Application Applies: _____

C. Administrative Information:

(1) Terminal or Port Name: ConocoPhillips
(2) Address: 5528 NW Doane Ave, Portland, OR 97210

(3) Terminal/Port Person in Charge
(a) Name: John Sherman
(b) Title/Position: Terminal Supervisor
(c) Organization: ConocoPhillips - Transportation
(d) Phone Number: 503-248-1576 (Direct) 503-248-1538

D. INDIVIDUAL TERMINAL INFORMATION. If applying as a port, list the information indicated for each terminal in the port. If more space is needed, continue on a separate sheet and attach to the back of this Application. Signature of the person in charge of the terminal acknowledges that the terminal agrees and consents to being considered as a member of the port, described in section 1, for the purposes of reception facilities. Complete the terminal name, location, etc. below.

(1) Name of Terminal: Same as above
(a) Address: _____

(b) Person in Charge
Name: _____
Phone Number: _____
Signature: _____

(2) Name of Terminal
(a) Address: _____

(b) Person in Charge
Name: _____
Phone Number: _____
(c) Signature: _____

2. RECEPTION FACILITY INFORMATION. Enter information for each reception facility used by the terminal/port. If necessary, continue on a separate sheet and attach to the back of the Application.

A. (1) Name: Same as above

53 NPDES 1300-J EXP. 12-31-04

CONOCO PHILLIPS NAME CHANGE.

COPPOR00002006

GENERAL PERMIT
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
WASTE DISCHARGE PERMIT

Department of Environmental Quality
811 SW Sixth Avenue
Portland, OR 97204
Telephone: (503) 229-5279

Transferred 1/23/03

Issued pursuant to ORS 468B.050 and The Federal Clean Water Act

Issued 2/28/00 GEN13J MULTNOMAH/NWR
File No. 90845 OR000138-4

ConocoPhillips Company
~~Tosco Corporation~~
PO Box 76
Portland OR 97207

Site: ~~Portland Terminal~~
ConocoPhillips Portland Terminal

SOURCES COVERED BY THIS PERMIT

Facilities storing, transferring, formulating and/or packaging bulk petroleum products or vegetable oils, and other facilities with oily storm water runoff and/or tank water bottoms. Facilities with discharges from oil/water separators that are also identified by 40 CFR §122.26 as needing an NPDES storm water permit may use this permit in place of the NPDES General Permit 1200 series of storm water permits if approved by the Department.

Michael T. Llewelyn, Administrator
Water Quality Division

1/11/00
Date

PERMITTED ACTIVITIES

Until this permit expires or is modified or revoked, the permittee is authorized to construct, install, modify, or operate a wastewater collection, treatment, control and/or disposal system, and discharge to public waters adequately treated wastewater only from the authorized discharge point or points established in Schedule A and only in conformance with all the requirements, limitations, and conditions set forth in the attached schedules as follows:

		Page
Schedule A -	Waste Discharge Limitations, Benchmarks, and Storm Water Pollution Control Plan	2-7
Schedule B -	Minimum Monitoring and Reporting Requirements	8-10
Schedule C -	Compliance Conditions and Schedules	11
Schedule D -	Special Conditions	12-13
Schedule E -	Not Applicable	
Schedule F -	General Conditions	14-20

Unless authorized by another NPDES or WPCF permit, all other direct and indirect discharges to waters of the state is prohibited, including discharge to an underground injection control system.

GENERAL PERMIT
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
WASTE DISCHARGE PERMIT

Department of Environmental Quality
811 SW Sixth Avenue
Portland, OR 97204
Telephone: (503) 229-5279

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Michael T. Llewelyn, Administrator
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Date

PERMITTED ACTIVITIES

Until this permit expires or is modified or revoked, the permittee is authorized to construct, install, modify, or operate a wastewater collection, treatment, control and/or disposal system, and discharge to public waters adequately treated wastewater only from the authorized discharge point or points established in Schedule A and only in conformance with all the requirements, limitations, and conditions set forth in the attached schedules as follows:

	Page
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Schedule B - Minimum Monitoring and Reporting Requirements	8-10
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Schedule D - Special Conditions	12-13
Schedule E - Not Applicable	
Schedule F - General Conditions	14-20

Unless authorized by another NPDES or WPCF permit, all other direct and indirect discharges to waters of the state is prohibited, including discharge to an underground injection control system.

rupture or overfill. If an area which will control a spill has a drain, the drain must also be controlled to prevent loss of the material. The drain control method must include at a minimum one of the following: a shut-off valve; an oil/water separator; a tank; a non-discharging basin; or an area that includes containment with no discharge. A SPCC plan that conforms to 40 CFR §112 can be used to satisfy this permit condition.

c) All collected oily waters in product containment areas must be drained through an oil/water separation device prior to discharge to public waters or storm sewers leading to public waters.

d) Floating matter and settled matter shall be cleaned frequently from the oil/water separation devices to assure their continuously efficient operation. The facility must have a procedure that describes maintenance criteria for determining when the solids are at a level that requires cleaning. All floating matter and grit or other settled matter removed from the oil/water separator or otherwise collected on site shall be disposed in a manner that complies with all applicable water quality, hazardous waste, and solid waste rules for disposal of such solids.

Conditions 4 through 6 are additional requirements for storm water discharges from facilities identified by 40 CFR §122.26 as needing a NPDES permit.

4. **Limitations, Benchmarks, and Controls for Storm Water Discharges**

a) Specific storm water discharge limitations apply to each source discharge of storm water that is not controlled by an oil/water separator. Point source discharges controlled by an oil/water separator must meet the limitations in Schedule A.2.

Parameter	Limitation
Oil & Grease	Shall not exceed 10 mg/l
PH	Shall be between 6.0 and 9.0
Oil & Grease	No visible sheen

b) Storm water discharge benchmarks are guideline concentrations not limitations. They are designed to assist the permittee in determining if the implementation of their Storm Water Pollution Control Plan (SWPCP) is reducing pollutant concentrations to below levels of concern.

Parameter	Benchmark
Total Copper	0.1 mg/l
Total Lead	0.4 mg/l
Total Zinc	0.6 mg/l
Total Suspended Solids	130 mg/l
Floating Solids (associated with industrial activities)	No visible discharge

c) If limitations or benchmarks are not achieved, the permittee shall review their 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.6.b.

i. SWPCP Revision Any newly identified site controls shall be implemented in a timely manner and incorporated into the SWPCP as an update. A new SWPCP is not required.

(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.2.b), a description supporting this approach shall also be included.

b) **Site Controls** The permittee shall 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 shall have the following minimum components. A description of each component shall be included in the SWPCP.

i. *Storm Water Best Management Practices* If technically and economically feasible, the following best management practices shall be employed at the site. A schedule for implementation of these practices shall 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 materials (see Schedule D., Definitions) shall 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 materials shall 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 shall be employed to eliminate or minimize oil and grease contamination of storm water discharges.

(3) Waste Chemicals and Material Disposal - Wastes shall 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 shall be covered to prevent exposure of storm water to these pollutants. Acceptable covers include, but are not limited to, storage 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

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 APPLICABLE TO ALL SOURCES

7. Any facility which collects, treats and discharges wastewater or storm water to a municipally owned "storm sewer" may require a permit or other approval from the municipality. No discharge is allowed by this permit without appropriate documentation of prior approval.

8. *Oregon Administrative Rule 340-41-26(3)(a)(D), Surface Water Temperature Management Plan* Individual discharges are expected to meet the appropriate applicable temperature standard. Compliance with this permit meets the requirement of OAR 340-41-26(3)(a)(D) to develop and implement a surface water temperature management plan. If it is determined that discharges in a particular basin are impacting 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.

9. *Specific River Basin Requirements* The permittee shall comply with any Oregon Administrative Rule requirements specific to the applicable river basin.

10. *Water Quality Standards* Discharges must comply with water quality standards in OAR 340-41. In instances where a discharge adversely impacts water quality, the Department will require the facility to implement additional management practices, apply for an individual permit, or take other appropriate action.

11. Notwithstanding the effluent limitations established by this permit, except as provided in OAR 340-45-080, no wastes shall be discharged and no activities shall be conducted which will violate water quality standards as adopted in OAR Chapter 340 Division 41 except in the following defined mixing zone:

    The allowable mixing zone shall not extend beyond 25 feet from the point of each discharge to public waters. For discharges to storm sewers, the allowable mixing zone shall not extend beyond 25 feet from the point where the storm sewer intersects public waters.

12. Waste Load Allocation - If storm water monitoring or any other wastewater monitoring at the site indicates that a pollutant, for which the stream is water quality limited, is discharging in significant quantities, the permit may be terminated and application for an individual permit or different general permit may be required that would include waste load allocations.

13. Additional Limitations or Monitoring Required - If storm water monitoring or any other wastewater monitoring indicates that certain pollutants are being discharged in quantities which may violate water quality standards or impair the beneficial uses of the receiving stream, the permit may be reopened and additional effluent limits and/or monitoring requirements added.

The following conditions are in addition to condition I above, and apply to facilities identified by 40 CFR §122.26.

2. **Additional Monitoring Parameters** - The permittee shall analyze grab samples and make visual observations of all point source discharges for the following parameters:

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

VISUAL MONITORING OF STORM WATER	
Parameter	**Frequency**
Floating Solids (associated with industrial activities)	Once a month when discharging
Oil & Grease Sheen	Daily when discharging

a) **Grab Samples** Grab samples that are representative of the discharge shall 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.

b) **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.

c) **Monitoring Location** All samples shall 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.

d) **No Exposure** If there is no exposure of storm water to material handling equipment or activities, raw materials, intermediate products, final products, waste materials, by-products, or industrial machinery at the site, monitoring is not required. The permittee shall submit an annual statement certifying as such in lieu of monitoring (refer to Schedule B.4.b). If exposure cannot be prevented, the permittee shall comply with Schedule B.

3. **Monitoring Reduction**

a) **Visual Observations** No reduction is allowed.

b) **Grab Samples** The permittee is not required to conduct sampling if the benchmarks specified in Schedule A.4.b are met, or if the exceedance is due to natural or background conditions for at least

SCHEDULE C
COMPLIANCE CONDITIONS AND SCHEDULES

The following conditions apply to facilities identified by 40 CFR §122.26 that need a NPDES permit for storm water discharges.

1. **Existing Facilities**

   a) No later than 90 days after receiving this permit, the permittee shall complete/revise and begin implementation of their SWPCP to meet any new permit requirements.

   b) Except for site controls that require capital improvements (see Schedule D., Definitions), the SWPCP shall be implemented within 90 days after completion/revision of SWPCP. Site control activities that require capital improvements shall be completed in accordance with the schedule set forth in the SWPCP.

2. **New Facility**

   a) Prior to starting operations, a new facility shall prepare their SWPCP.

   b) Except for site controls that require capital improvements (see Schedule D.3, Definitions), the SWPCP shall be implemented within 90 days after beginning operation. Site control activities that require capital improvements shall be completed in accordance with the schedule set forth in the SWPCP.

3. **New Storm Water Discharges 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 shall submit to the Department a monitoring and water quality evaluation program. This program shall be effective in evaluating the in-stream impacts of the discharge as required by OAR 340-41-470. Within 30 days after Department approval, the permittee shall implement the monitoring and water quality evaluation program. New permittees are defined to include potential or existing dischargers that did not have a permit.

j) *Storm Water Discharge Associated with Industrial Activities [Edited version of 40 CFR §122.26(b)(14)]* means the discharge from any conveyance which is used for collecting and conveying storm water and which is directly related to manufacturing, processing or raw materials storage areas at an industrial plant. The term does not include discharges from facilities or activities excluded from the NPDES program under 40 CFR §122. For the categories of industries identified in 40 CFR §122.26(b)(14), the term includes, but is not limited to, storm water discharges from industrial plant yards; immediate access roads and rail lines used or traveled by carriers of raw materials, manufactured products, waste material, or by-products used or created by the facility; material handling sites; refuse sites; sites used for the application or disposal of process waste waters [as defined at 40 CFR §401]; sites used for the storage and maintenance of material handling equipment; sites used for residual treatment, storage, or disposal; shipping and receiving areas; manufacturing buildings; storage areas (including tank farms) for raw materials, and intermediate and finished products; and areas where industrial activity has taken place in the past and significant materials remain and are exposed to storm water.

For the categories of industries identified in 40 CFR §122.26, the term includes only storm water discharges from all the areas (except access roads and rail lines) that are listed in the previous sentence where material handling equipment or activities, raw materials, intermediate products, final products, waste materials, by-products, or industrial machinery <u>are exposed to storm water</u>. For the purposes of this paragraph, material handling activities include the storage, loading and unloading, transportation, or conveyance of any raw material, intermediate product, finished product, by-product or waste product. The term excludes areas located on plant lands separate from the plant's industrial activities, such as office buildings and accompanying parking lots as long as the drainage from the excluded areas is not mixed with storm water drained from the above described areas. Industrial facilities (including industrial facilities that are federally, state, or municipally owned or operated that meet the description of the facilities listed in 40 CFR §122.26) also include those facilities designated under the provisions of 40 CFR §122.26 (a)(1)(v).

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 shall 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 shall, 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 shall not be 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 shall submit prior written notice, if possible at least ten days before the date of the bypass.
      (2) Unanticipated bypass. The permittee shall 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.

permittee shall 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 shall 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 shall be representative of the volume and nature of the monitored discharge. All samples shall be taken at the monitoring points specified in this permit and shall be taken, unless otherwise specified, before the effluent joins or is diluted by any other waste stream, body of water, or substance. Monitoring points shall 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 shall be selected and used to ensure the accuracy and reliability of measurements of the volume of monitored discharges. The devices shall 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 shall 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 Part 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 shall, 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 shall be summarized each month on a Discharge Monitoring Report form approved by the Department. The reports shall 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 shall be included in the calculation and reporting of the data submitted in the Discharge Monitoring Report. Such increased frequency shall 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 shall be recorded unless otherwise specified in this permit.

7. Averaging of Measurements
Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean, except for bacteria which shall 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 shall be retained for a period of at least five years (or longer as required by 40 CFR part 503), the permittee shall 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 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 shall 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 shall 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 shall report all instances of noncompliance not reported under General Condition D.4 or D.5, at the time monitoring reports are submitted. The reports shall 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 shall furnish to the Department, within a reasonable time, any information which the Department may request to determine compliance with this permit. The permittee shall 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 shall promptly submit such facts or information.

8. Signatory Requirements
All applications, reports or information submitted to the Department shall 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 shall 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:

Permit 400.181

COPPOR00002018

CITY OF PORTLAND
ENVIRONMENTAL SERVICES

Water Pollution Control Laboratory
6543 N. Burlington Ave., Portland, Oregon 97203-5452
(503) 823-5600

April 18th 2008

Tom Lyons
ConocoPhillips Company
5528 N W Doane Ave.
Portland, Oregon 97210

Re: Renewed Industrial Wastewater Discharge Permit

Dear Mr. Lyons:

Enclosed, you will find the renewed Industrial Wastewater Discharge Permit #400.181 for ConocoPhillips Portland Terminal at 5528 NW Doane Ave. The only change you will notice in the permit is a shift in the quarterly monitoring. The next self-monitoring for ConocoPhillips will be May 2008, with the report due to the City by June 15th 2008.

New monitoring report forms are included with this letter.

I will be contacting you later in the year to schedule the required annual inspection.

Please call me at 503-823-5538, if you have any questions. Thank you.

Sincerely,

Eric De Berry
Permit Manager
Industrial Source Control Division

CITY OF PORTLAND
ENVIRONMENTAL SERVICES
Water Pollution Control Laboratory
6543 N. Burlington Avenue, Bldg. 217, Portland, Oregon 97203 • Sam Adams, Commissioner • Dean Marriott, Director

WASTEWATER DISCHARGE PERMIT

ISSUED TO:	ConocoPhillips Company
SIC CODE:	2992, 5171
PLANT TYPE:	Petroleum Products Storage, Packaging, and Distribution
EPA CATEGORY:	Non-Categorical, Non-SIU
LOCATION:	5528 NW Doane Ave. Portland, Oregon 97203
MAILING ADDRESS:	5528 NW Doane Ave. Portland, Oregon 97203
RESPONSIBLE OFFICIAL:	Tom Lyons
PHONE NUMBER:	(503) 248-1572
FAX NUMBER:	(503) 248-1522

EXPIRATION DATE: 05/01/2013

INDUSTRIAL SOURCE CONTROL MANAGER — Gerald W. Baumgartner — 4-24-08 Effective Date

PREPARED BY: EDB
CHECKED BY : MAS MAS

Ph: 503-823-5600 Fax: 503-823-5656 • www.cleanrivers.org • Using recycled paper. • An Equal Opportunity Employer.
For disability accommodation requests call 503-823-7740, Oregon Relay Service at 1-800-735-2900, or TDD 503-823-6868.

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INTRODUCTION

PERMITTED ACTIVITIES

The permittee is authorized to discharge industrial wastewater to the City of Portland's sewer system in compliance with Chapter 17.34 of the City Code, the Bureau of Environmental Services Administrative Rules and any applicable provisions of federal or state laws or regulations and in accordance with discharge point(s), effluent limitations, monitoring requirements, and all other conditions set forth herein.

It is the permittee's duty to comply with all conditions of this permit. Any noncompliance with permit requirements constitutes a violation of Chapter 17.34 of Portland's City Code and, as such, subjects the permittee to enforcement action(s).

Schedule A
WASTEWATER DISCHARGE LIMITATIONS

Listed below are the waste discharge limitations not to be exceeded after **the permit effective date**. Applicable regulations include Chapters 17.34 (Schedule F of this permit lists the General Discharge Prohibitions) and 17.36 of the Code of the City of Portland and 40 CFR 403. The point of compliance with the discharge limitations shall be #1A, the filter box after OWS #003.

POC (*)	Pollutant Name	Local Limit Daily Max (mg/L)	Categorical Limit (mg/Lmg/l, lb / off lb) Daily	Monthly
	METALS			
	Arsenic	0.2		
	Cadmium	0.7		
	Chromium	5.0		
	Copper	3.7		
	Lead	0.7		
	Mercury	0.010		
	Molybdenum	1.4		
	Nickel	2.8		
	Selenium	0.6		
	Silver	0.4		
	Zinc	3.7		
	NON-METALS (INORGANICS)			
	Cyanide	1.2		
*	**pH**	**5.0-11.5 su**	**5.0-11.5 su**	
	NON-METALS (ORGANICS)			
	1,2-Dichloroethane	0.50		
	2,4-Dinitrotoluene	0.13		
	Acrylonitrile	1.00		
	Chlordane	0.03		
	Chlorobenzene	0.20		
	Chloroform	0.20		
	Nitrobenzene	2.00		
	Pentachlorophenol	0.04		
	Trichloroethylene	0.20		
*	**Non-polar Oil & Grease**	**110**	**110 mg/L**	

Notes:

1. This schedule may be revised upon written notification by the City to accommodate process changes by the permittee or as determined by the Director of Environmental Services.

2. In addition to the limits stated in Schedule A, the permittee shall comply with all other applicable City, State and Federal regulations.

3. The pollutant parameters marked with an asterisk (*) are the pollutants of concern. At a minimum, the permittee is required to monitor for pollutants of concern. All limits are applicable at the point of compliance.

4. The permittee is required to meet the MOST stringent limitation listed, denoted in bold type in the above table, when comparing the *Local Limit* column with the *Categorical Limit* column.

5. The City has Pollutant Prohibitions for certain individual organic compounds that are not amenable to biological treatment or that have a screening value or local limit that is less than the practical method detection level (MDL). Discharges containing concentrations of a prohibited pollutant above the MDL, as listed in Appendix 4, is a violation of City Code and this permit.

Schedule B
MONITORING AND
REPORTING REQUIREMENTS

I. Periodic Compliance Self-Monitoring Report:

Parameter	Sample Type	First Quarter			Second Quarter			Third Quarter			Fourth Quarter		
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
Non Metals													
pH			✓			✓			✓			✓	
Oil and Grease (total)			✓			✓			✓			✓	
Due Dates		Feb 15	Mar 15	Apr 15	May 15	Jun 15	Jul 15	Aug 15	Sept 15	Oct 15	Nov 15	Dec 15	Jan 15

I. Periodic Compliance Self-Monitoring Report, Notes:

1. Periodic Compliance Reports are to be submitted to the Industrial Source Control Division by the 15th of the month following the conclusion of the reporting period. Sampling, analysis, and reporting will follow the schedule above.

2. All official sampling shall be taken at the approved sampling location. (See Appendix 2: sampling location map.)

3. The permittee shall analyze samples for all listed parameters plus any other which might be expected to be present in significant quantities.

4. The permittee shall submit all self-monitoring results to the Industrial Source Control Division as part of their monitoring and reporting requirements.

5. All monitoring results are to be mailed to:

   Industrial Source Control Division
   Bureau of Environmental Services
   City of Portland
   6543 N. Burlington Ave.
   Portland, OR 97203

6. Periodic Compliance Reports are to be submitted by the 15th of each month following the report period for each sampling location. The reports shall consist of:

II. **Periodic Compliance Self-Monitoring Report** (Notes continued):

a. Statement of compliance/noncompliance, signed by the officially designated contact person (statement is found on bottom of the self-monitoring report form).

b. Sample analysis results recorded on the appropriate self-monitoring report form and chain of custody for sample collected.

c. Originals of all laboratory analysis sheets showing who analyzed sample, date and time sample was analyzed, analytical methods used, method detection limit, test result, and quality assurance/quality control.

d. Copies of pH charts (if any) showing violations (if any).

e. Any other reports that may be required.

f. Calculations of monthly average, if appropriate.

7. The permittee should instruct its laboratory that, if the oil and grease (total) concentration exceeds 110 mg/L, the laboratory should determine the concentrations of the polar and non-polar oil and grease fractions.

8. The City may reduce or increase the frequency of sampling, based on the analytical results submitted.

9. As per 40 CFR 403.12(g)(5), if an industrial user subject to the reporting requirements of Schedule B monitors any parameter from the official sampling location more frequently than required, using procedures specified in Schedule E14(c), the results of their monitoring must be submitted in the required report.

Schedule C
COMPLIANCE SCHEDULE

Schedule D
SPECIAL CONDITIONS

Schedule E
GENERAL CONDITIONS

1. Accidental Spill Prevention Plan

To comply with Section 17.34.090 of the City Code, the permittee shall submit a new or revised Accidental Spill Prevention Plan (ASPP) to the Industrial Wastewater Management Section 90 days after the effective date of this permit. The plans shall include the following elements.

a. A description of the hazardous substances handled and their potential points of entry into the City sewer system or storm runoff

b. A description of the measures to be taken to prevent entry at the described points before a spill occurs

c. Measures to be taken to contain a spill if one occurs

d. A description of employee training in the prevention and control of spills

e. A posted notice informing employees of the requirement to notify the Bureau of Environmental Services in case of spills or uncontrolled discharges.

2. Appeal

Upon receipt of a final industrial wastewater discharge permit, a permittee may appeal any of its terms or conditions to the Code Hearings Officer in accordance with procedures set out at Chapter 22.10 of the Portland City Code; provided that such an appeal shall include a copy of the permit that is the subject of the appeal, shall state the basis for the appeal, and shall be filed with the Code Hearings Officer and the Bureau of Environmental Services.

3. Authorized Discharge

All discharge and activities authorized herein shall be consistent with the terms and conditions of this permit, Chapter 17.34 of the City Code and the Administrative rules. The discharge of any pollutant in excess of these limits shall constitute a violation of the terms and conditions of this permit.

4. Bypass or Diversion

The diversion or bypass (the intentional diversion of wastestreams from any portion of a permittee's treatment facility) of any discharge, from facilities used by the permittee, to maintain compliance with the terms and conditions of this permit is prohibited except:

a. When unavoidable to prevent loss of life or severe property damage.

b. When excessive storm drainage or runoff would damage facilities necessary for compliance with the terms and conditions of this permit.

4. Bypass or Diversion (continued)

The permittee shall immediately notify the City in writing of each such diversion or bypass, in accordance with the procedure specified in condition No. 23.

5. Certification

Legible copies of all applications, reports, and information submitted to the City shall be signed and certified as follows in accordance with 40 CFR 403.12.

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.

6. Chemical Storage

Chemicals shall be stored in a manner that will prevent the entry of these substances into the sanitary, combined sewer, or storm sewer system, or waters of the state.

7. Continuous Compliance

Compliance with Schedule E, No. 23 shall not relieve the permittee from responsibility to maintain continuous compliance with the conditions of this permit.

8. Dilution Prohibition

It is unlawful for a discharger to use dilution as a partial or complete substitute for adequate treatment to achieve compliance with the standards and limitations set forth in this permit. The Director may impose mass limitations on dischargers who are using dilution to meet the applicable pretreatment standards or the requirement set forth in this permit.

9. Enforcement Provision

A violation of any conditions, standards or requirements of this permit constitutes a violation of Chapter 17.34 of the City Code and any rules promulgated thereunder. Therefore, the City may seek any or all of the remedies or penalties provided for in Section 17.34.110 of the City Code, including recovery of costs incurred by the City, in response to the following:

a. Any violation by the permittee of the provisions in this Industrial Wastewater Discharge Permit.

b. Any violation by the permittee of the provisions of the City Code.

9. Enforcement Provision (continued)

c. Any violation by the permittee of an Enforcement Action requirement with respect to provisions set forth in this Industrial Wastewater Discharge Permit and the City Code and Administrative Rules.

The range or severity of enforcement actions taken by the City against the permittee will be determined by, but not limited to, the nature, magnitude, duration, and frequency of the violation as provided by City Code and Administrative Rules.

10. Extra-Strength Sewer Charge (ESSC)

Discharges exceeding 300 mg/L for the 5-day biochemical oxygen demand (BOD) or 350 mg/L total suspended solids (TSS) concentrations (as defined in Section 17.36.060(1) of the City Code) shall be subject to the extra-strength sewer charge (ESSC) established in Section 17.36.060(1).

11. Hazardous Waste Notification

The industrial user shall notify the Industrial Source Control Division Section, the POTW, the EPA Regional Waste Management Division Director, and State hazardous waste authorities in writing of any discharge into the POTW of a substance, which, if otherwise disposed of, would be a hazardous waste under 40 CFR Part 261. Such notification must include the name of the hazardous waste as set forth in 40 CFR Part 261, the EPA hazardous waste number, and the type of discharge (continuous, batch, or other). If the industrial user discharges more than 100 kilograms of such waste per calendar month to the POTW, the notification shall also contain the following information to the extent such information is known and readily available to the industrial user: an identification of the hazardous constituents contained in the wastes, an estimation of the mass and concentration of such constituents in the wastestream discharged during that calendar month, and an estimation of the mass of constituents in the wastestream expected to be discharged during the following 12 months.

12. Inspection and Entry

The permittee shall, at all reasonable times, allow authorized representatives of the City:

a. To enter the permittee's premises where an effluent source or disposal system is located or where any records associated with this permit are kept.

b. To have access to any required records and permission to copy these records. At no time can wastewater effluent data be claimed or held as confidential information.

c. To inspect and evaluate any monitoring equipment or monitoring methods required by this permit.

d. To sample any discharge to the sewer system.

13. Liability

The City of Portland, its officers, agents or employees shall not sustain any liability due to the issuance of this permit or the construction or maintenance of facilities resulting from this permit.

14. Monitoring

a. The permittee shall record the following information:

* The exact date, time, and place of sampling
* Name of person who collected the sample(s)
* Type of sample(s) collected
* The dates analyses were performed
* Who performed the analyses
* The analytical techniques or methods used
* The results of all required analyses
* Whether quality assurance and quality control laboratory procedures are followed

b. Samples and measurements, taken to meet the requirements of the above condition, shall be representative of the effluent. Grab samples must be collected for pH, cyanide, phenol, sulfide, volatile organic compounds and oil and grease monitoring.

c. All sampling and analytical methods used to meet the monitoring requirements specified in this permit shall, unless otherwise approved in writing by the City, conform to the Guidelines Establishing Test Procedures for the Analysis of Pollutants as specified in 40 CFR, Part 136. Laboratory quality assurance and quality control programs should be documented. EPA QA/QC programs should be followed.

d. The permittee is required to document proper installation, and maintenance of flow monitoring and sampling equipment.

e. If the results of the permittee's wastewater analysis indicate that a noncompliance has occurred, the permittee must notify the City's Industrial Source Control Division Section within 24 hours of becoming aware of the noncompliance. The permittee must also repeat the sampling within 24 hours of the effluent noncompliance or next process day and submit the analysis to the City within 30 days after becoming aware of the noncompliance.

f. The permittee shall take all reasonable steps to minimize or correct any adverse impact to the POTW or the environment resulting from noncompliance with this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the non-complying discharge.

14. Monitoring (continued)

g. If requested, the permittee shall provide or split discharge samples with the City of Portland Water Pollution Control Laboratory.

15. Permit Modification

This permit may be modified with 30 days prior written notification, in whole or in part, for causes including but not limited to the following:

a. A change in the City's NPDES permit or any other condition that requires either a temporary or permanent elimination of any authorized discharge.

b. To incorporate new or revised federal, state, or local pretreatment standards or requirements.

c. Information indicating that the permitted discharge poses a threat to the City's collection and treatment system, POTW personnel, or the receiving waters and sludge.

d. To correct typographical or other errors in the permit.

e. Any significant change in the volume of a permitted discharge.

16. Permit Renewal

This permit is issued to a specific entity and cannot be transferred by the industrial user and must be renewed pursuant to Section 17.34.070 of the Code of the City of Portland and Permit Applications must be received 90 days prior to:

a. Expiration date of current permit.

b. In the event the permittee plans to cease operations at the present location, and plans to relocate within the City of Portland's jurisdiction and continue the same permitted activities.

c. The permitted industrial process being significantly altered or changed so that pollutants not specifically mentioned in the current permit are present in the permittee's discharge.

17. Permit Suspension or Termination

a. Violation of any terms or conditions of this permit or any applicable rule, standard, or order of the director of the Bureau of Environmental Services.

b. Obtaining this permit by misrepresentation or failure to fully disclose all relevant facts.

c. Falsifying self-monitoring reports.

d. Tampering with monitoring equipment.

17. Permit Suspension or Termination (continued)

e. Refusing to allow prompt access to the facility premises and records.

f. Failure to meet effluent limitations.

g. Failure to pay fines.

h. Failure to meet compliance schedules.

18. Plant Closure

In the event the permittee plans to cease operations at the present business location, and not to relocate within the City of Portland's jurisdiction, the permittee shall inform this office, in writing, 60 days prior to plant closure.

19. Property Rights or Privileges

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges; it does not authorize any injury to private property or any invasion of personal rights; and it does not authorize any infringements or federal, state, or local laws or regulations.

20. Records Retention

All records of monitoring activities and results, including all original strip chart recordings for continuous monitoring instrumentation (and calibration and maintenance records), shall be retained by the permittee for a minimum of three years. This retention period shall be extended during the course of any unresolved litigation pertaining to the discharge of pollutants by the permittee, or whenever it is requested by the City, the Approval Authority (DEQ), the Regional Administrator (EPA).

21. Reporting Requirements

a. Accidental or Slug Loading

If accidental or slug loading to the sanitary sewer occurs, the permittee shall notify the City Permit Manager immediately, if no response then call the City Duty Officer at 503-823-7180 (M-F 8:00am - 4:30pm) or 503-323-3398 (after 4:30pm and weekends). A formal written report, discussing circumstances and remedies, shall be submitted to the City within 5 days of the occurrence

b. Changes in Wastewater Characteristics

The permittee shall give notice to the Industrial Source Control Division Section 90 days before any facility expansion, production increase, or process modifications that result in new or substantially increased discharges or a change in the nature of the discharge.

c. Change in representative

21. Reporting Requirements (continued)

If the responsible corporate official changes, notify the City within 10 days, as per 40 CFR 403.12 (1) (4).

22. Severability

The provisions of this permit are severable, and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to the other circumstances and the remainder of this permit shall not be affected.

23. Slug Load Notification

If the permittee is unable to comply with all the conditions of this permit due to a breakdown of equipment or facilities, an accident caused by human error or negligence, or any other cause such as an act of nature, or should any condition cause the release of any slug load, the permittee shall:

a. Immediately take action to stop, contain, clean up the unauthorized discharges, and correct the problem.

b. Immediately call the City Permit Manager, if no response then call the City Duty Officer at 503-823-7180 (M-F 8:00am - 4:30pm) or 503-323-3398 (after 4:30pm and weekends).

c. Within five (5) days submit a detailed written initial report to the City Permit Manager describing the breakdown, the actual quantity of resultant waste discharges, the corrective action taken, the steps taken to prevent recurrence, and any other pertinent information.

d. Samples shall be taken immediately upon discovery of the Slug load. Within 15 days, a follow-up report shall be submitted. The report shall contain analysis of samples taken during such discharge and samples taken after normal conditions have been restored. The samples, at a minimum, shall be analyzed for the parameters required in Schedule B. Sampling shall be continued until all parameters are within discharge limits.

24. Upset

a. Definition:

For the purposes of this section, upset means an exceptional incident in which there is unintentional and temporary noncompliance with applicable pretreatment standards, because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

b. Effect of an Upset:

An upset will constitute an affirmative defense to an action brought for noncompliance with applicable pretreatment standards, if the requirements of paragraph c are met.

24. Upset (continued)

c. Conditions Necessary for a Demonstration of an Upset:

A permittee who wishes to establish the affirmative defense of an upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:

(1) An upset occurred and the permittee can identify the specific cause(s) of the upset.

(2) The facility was, at the time, being operated prudently, efficiently, and in compliance with applicable operation and maintenance procedures.

(3) The permittee has submitted the following information to the Industrial Source Control Division within 24 hours of becoming aware of the upset (if this information is provided orally, a written submission must be provided within 5 days).

* A description of the indirect discharge and cause of noncompliance
* The period of noncompliance, including exact dates and times or, if not corrected, the anticipated duration of noncompliance
* Steps planned or now being taken to reduce, eliminate, and prevent recurrence of the noncompliance

d. Burden of Proof

In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset shall have the burden of proof.

e. Permittee Responsibility in Case of an Upset.

If reduction, loss, or failure of its treatment facility occurs, the permittee shall control production of all discharges in order to maintain compliance with applicable pretreatment standards until the facility is restored or an alternative method of treatment is provided. This requirement especially applies if the primary source of the treatment facility power is reduced, lost, or failed.

Schedule F
GENERAL DISCHARGE PROHIBITIONS

The permittee shall not discharge, cause to discharge or allow to discharge directly or indirectly into the City sewer system any of the following:

1. Wastewater containing substances in such concentrations that they inhibit or interfere with the operation or performance of the sewer system, or that are not amenable to treatment or reduction by the sewage treatment process employed, or are only partially amenable to treatment such that the sewage treatment plant effluent cannot meet the requirements of any agency having jurisdiction over its discharge to the receiving waters, or that prevent or impair the use or disposal of sewage treatment plant sludge and sludge products in accordance with applicable State and federal regulations;

2. Any liquids, solids, or gases which by reason of their nature or quantity are, or may be, sufficient either alone or by interaction to cause fire or explosion or be injurious in any other way to the operation of the sewer system, or wastestreams with a closed cup flashpoint of less than 140 degrees Fahrenheit or 60 degrees Celsius (using test methods prescribed at 40 CFR 261.21), or discharges which cause the atmosphere in any portion of the sewer system to reach a concentration of 10% or more of the Lower Explosive Limit (LEL).

3. Any solid or viscous substances capable of obstructing wastewater which will or may cause obstruction to the flow of wastewater or other interference with the operation of the sewer system;

4. Any noxious, malodorous or toxic liquids gases, vapors or fumes, solids, or other substances which, either singly or by interaction with other wastes, may cause acute or chronic worker health and safety problems, a public nuisance, a hazard or interference with any part of the sewer system;

5. Any industrial wastewater containing a hazardous or toxic substance which, either singly or by interaction with other substances, injures or interferes with the sewer system or constitutes a hazard to humans or animals, or creates a hazard in, or adversely affects the receiving waters, or results in such substances being discharged in combined sewer overflows or sewage treatment plant effluent in any concentrations in excess of limitations imposed by any permit, law or regulation;

6. Any wastes, wastewaters or substances having a pH less than 5.0 or more than 11.5, or capable of causing damage or hazard to structures, equipment, processes or personnel of the sewer system, unless these limits are modified by permit.

7. Any liquid or vapor having a temperature higher than 65 degrees Celsius (149 degrees Fahrenheit) or containing heat in amounts which will inhibit biological activity, or result in interference at the treatment plant. In no case shall a discharge to the sewer system contain heat in such quantities that the temperature of the treatment plant influent exceeds 27 degrees Celsius (80 degrees Fahrenheit);

8. Any material trucked or hauled from a cesspool, holding or septic tank or any other nondomestic source, except such material received at designated locations under City contract or permit in accordance with any other applicable requirements of the City Code 17.34 or rules adopted hereunder;

9. Any substance which may solidify or become discernibly viscous at temperatures above 0 degrees Celsius or 32 degrees Fahrenheit;

10. Any material that has not been properly comminuted to 0.65 centimeters (1/4 inch) or less in any dimension;

11. Any slugload, as defined in City Code 17.34 or rules adopted hereunder;

12. Any substances with excessive color, as determined by the Director of Environmental Services, which are not removed in the treatment process;

13. Any batch discharges without written permission from the Director of Environmental Services. Batch discharges shall comply with all other requirements of City Code 17.34 and rules adopted hereunder;

14. Any concentrations of inert suspended or settleable solids which may interfere with the operation of the sewer system;

15. Any concentrations of dissolved solids which may interfere with the operation of the sewer system;

16. Any radioactive material, except in compliance with a current permit issued by the Oregon State Health Division or other state or federal agency having jurisdiction;

17. Any substance which may cause sewer system effluent or treatment residues, sludges, or scums, to be unsuitable for reclamation and reuse or which interferes with the reclamation process. (In no case, shall a substance discharged to the sewer system cause the City to be in noncompliance with sludge use or disposal criteria, guidelines or regulations developed under the Clean Water Act; any criteria, guidelines or regulations affecting sludge use or disposal developed pursuant to the Solid Waste Disposal Act (42 USC 6901), the Clean Air Act (42 USC 1857), the Toxic Substances Control Act (15 USC 2601), or any other federal or State statutes, regulations or standards applicable to the sludge management method being used, or any amendments thereto.)

18. Petroleum oil, nonbiodegradeable cutting oil, or products of mineral oil origin in amounts that will cause interference or pass through.

19. Noncontact cooling water (except that noncontact cooling water may be discharged to the separate storm sewer system upon approval by the Director of Environmental Services);

20. Any substance that causes the City to violate the terms of its NPDES permit.

Appendix 1
DEFINITIONS

Abbreviations

BOD_5	Five-day biochemical oxygen demand
mg/L	Milligrams per liter
k	Kilograms
m^3/d	Cubic meters per day
ppm	Parts per million (assumed equal to milligrams per liter)
POTW	Publicly owned treatment works
WPCL	Water Pollution Control Laboratory

Averages for BOD, TSS, and chemical parameters are based on arithmetic mean of samples taken.

Definitions

Bypass

The intentional diversion of wastestreams from any portion of a permittee's treatment facility.

Compatible Pollutant

Biochemical oxygen demand, suspended solids, pH and fecal coliform bacteria, and additional pollutants that the City treatment works is designed to treat.

Conventional Pollutants

Classification of industrial pollutants, which includes BOD (biochemical oxygen demand), suspended solids, fecal coliform, pH (acidity/alkalinity), and other pollutants so designated by EPA, as defined by Section 304(a)(4) of the Clean Water Act.

Director of Environmental Services

The Director of Environmental Services of the City of Portland, Oregon, or that person's duly authorized representative or agent.

City, or City of Portland

The municipality of Portland, Oregon, a municipal corporation of the State of Oregon, acting through the City Council or any board, committee, body, official, or person to whom the Council shall have lawfully delegated the power to act on behalf of the City. Unless a particular board, committee, official, or person is specifically designated in these rules and regulations, wherever action by the City is explicitly required or implied herein, it shall be understood to mean action by the Director of Environmental Services of Portland, Oregon, or that person's duly authorized representative or agent.

Effective Date of this Permit

The date this permit is signed by the Director of the Bureau of Environmental Services.

Expiration Date

From 1 to 5 years beyond the effective date of this permit.

Hazardous or toxic substances

Hazardous or toxic substances are those substances referred to in section 101(14) of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (42 U.S. Code 9601 et seq.), section 502(13) of the Clean Water Act, and any other substances so designated by the Director of Environmental Services and contained in rules adopted pursuant to this Chapter.

Industrial Waste

Any liquid, solid, or gaseous substance (or combination thereof) resulting from any process of industry, manufacturing, commercial food processing, business, agriculture, trade, or research, including but not limited to the development, recovery, or processing of natural resources and leachate from landfills or other disposal sites.

Industrial Wastewater Discharge Permit

A permit to discharge industrial wastewater into the City sewer system issued under the authority of the City Code, which prescribes certain discharge requirements and limitation.

Interference

Interference means a discharge which, alone or in conjunction with a discharge or discharges from other sources, inhibits or disrupts the normal operation of the City sewer system, or which causes a violation of any requirement of the POTW's NPDES permit (including an increase in the magnitude or duration of a violation) or any increase in the cost of treatment of sewage or in the cost of sewage sludge use or disposal in compliance with the following statutory provisions and regulations or permits issued thereunder (or more stringent State or local regulations); Section 405 of the Clean Water Act, the Solid Waste Disposal Act (including Title II, more commonly referred to as the Resource Conservation and Recovery Act), and including State regulations contained in any State sludge management plan prepared pursuant to Subtitle D of RCRA, the Clean Air Act, the Toxic Substances Control Act, and the Marine Protection, Research and Sanctuaries Act.

Maximum Daily Discharge Limitation

The highest allowable daily discharge.

Nonconventional Pollutants

All pollutants that are not specifically designated as either conventional or toxic.

Oil and Grease

Fats, Oils and Grease. Fats, oils and grease are those substances which are measured by USEPA Method 1664: N-Hexane Extractable Method (HEM) and Silica Gel Treated N-Hexane Extractable Material (SGT-HEM).

(a) Non-polar fats, oils and grease are that portion of fats, oils and grease which is measured as non-polar (from petroleum sources) by USEPA Method 1664.

(b) Polar fats, oils and grease are that portion of fats, oils and grease which is determined to be polar (of animal or vegetable origin) by USEPA Method 1664.

Pass Through

Pass through means a discharge which exits the POTW into waters of the United States in Quantities or concentrations which, alone or in conjunction with a discharge or discharges from other sources, is a cause of a violation of any requirement of the POTW's NPDES permit (including an increase in the magnitude or duration of a violation).

POTW

POTW means Publicly Owned Treatment Works, which includes any devices and systems, owned by a State or municipality, used in the collection, transportation, storage, treatment, recycling and reclamation of wastewater.

Pretreatment

The reduction of the amount of pollutants, the elimination of pollutants, or the alternation of the nature of pollutant properties in wastewater to a non-harmful state, prior to or in lieu of discharge of such pollutants into the City sewer system.

Sampling

a. The "monthly average" other than pH is the arithmetic mean of samples collected during a calendar month.

b. The "daily maximum" is defined as the greatest allowable value for any calendar day.

c. The "four day average" is defined as the average of four discrete sampling events for a particular pollutant, which is determined by the sampling frequency and not necessarily four consecutive calendar days.

d. A " composite sample" is a series of individual discrete samples taken at selected intervals based on either an increment of flow or time. The samples are mixed together to approximate the average composition of discharge to the City sewer system. A composite sample for one day shall consist of a pool of samples, collected over the operational period of the production day.

e. A "Grab" sample is an individual sample collected in less than 15 minutes, without regard for flow or time.

f. A "Grab-Composite" is a minimum of four grab samples collected and preserved over a 24-hour period and combined to provide a representative sample of effluent being discharged.

Schedule of Compliance

A schedule of remedial measures, including an enforceable sequence of actions or operations leading to compliance with an effluent limitation or other limitation, prohibition, or standard.

Severe Property Damage

Substantial physical damage to the treatment facilities that causes them to become inoperable, or substantial and permanent loss of natural resources that can occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

Slugload

A slugload is any discharge of a non-routine, episodic nature, including but not limited to an accidental spill or a non-customary batch discharge.

Solid Waste

Any garbage, refuse, or sludge from a waste treatment plant, water supply treatment plant, or air pollution control facility including solid, liquid, semisolid, or contained gaseous material resulting from industrial, commercial, mining, and agricultural operations, and from community activities, but does not include solid or dissolved material in domestic sewage, or solid or dissolved materials in irrigation return flows or industrial discharges that are point sources subject to permits.

Solid Waste Disposal

The final placement of refuse that cannot be salvaged or recycled.

Solvent Management Plan

A plan that specifies the toxic organic compounds used, the method of disposal used (instead of dumping into wastestreams), and procedures for ensuring that toxic organics do not spill or leak into wastewater discharged to the City sewer system.

Total Dissolved Solids

The total dissolved (filterable) solids as determined by use of the method specified in the list of approved test procedures.

Total Organic Active Ingredients

The sum of all organic active ingredients covered by the organic pesticide chemicals manufacturing subcategory, which are manufactured at a facility subject to the effluent guidelines for pesticides chemicals manufacturing.

Total Solids

The sum of dissolved and undissolved constituents in water or wastewater, usually expressed as milligrams per liter.

Total Suspended Solids

Total suspended matter that either floats on the surface or is in suspension in water or wastewater and that are removable by laboratory filtering (as described in *Standard Methods for the Examination of Water and Wastewaters,* current edition) or Guidelines Establishing Test Procedures for the analysis of Pollutants, contained in 40 CFR 136, as published in the *Federal Register.*(Bureau of Environmental Services Administrative Rules I[22])

Upset

"Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with applicable pretreatment standards, because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

Waste

Unwanted materials left over from manufacturing processes, or refuse from places of human or animal habitation.

Wastewater

Industrial waste, sewage, or any other waste, including that which may be combined with any groundwater, surface water, or stormwater that may be discharged to the city sewer system.

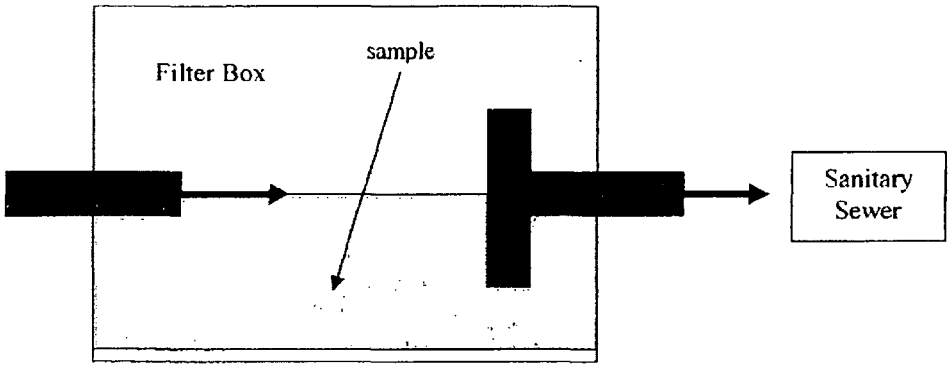
Water Pollution

The addition of enough harmful or objectionable material to damage water quality.

Appendix 2
SAMPLING LOCATION MAP

C: MapInfo Map *See Attached*

The point of compliance is the filter box sump, after the Hydrocleaner.



Appendix 3
RESERVED: ACCIDENTAL SPILL PREVENTION PLAN

Already on file with the City.

Appendix 4
Individual Organic Compounds - Pollutant Prohibitions

POLLUTANT PROHIBITIONS	*METHOD DETECTION LIMIT(mg/L)*
Volatiles	
Bromodichloromethane	0.005
Bromoform	0.005
Bromomethane	0.010
1,1,1,2-Tetrachloroethane	0.010
1,1,2-Trichloroethane	0.005
1,1-Dichloroethene	0.005
Chloroethane	0.050
Chloromethane	0.005
Dibromochloromethane	0.005
Vinyl Chloride	0.050
Base/Neutral extractables	
1,2,4-Trichlorobenzene	0.005
1,2-Dichlorobenzene	0.005
1,2-Diphenylhydrazine	0.005
1,3-Dichlorobenzene	0.005
1,4-Dichlorobenzene	0.005
2,6-Dinitrotoluene	0.005
4-Bromophenyl-Phenyl Ether	0.005
Bis (2-Chloroethoxy)methane	0.010
Bis (2-Chloroisopropyl)ether	0.010
Hexachlorobenzene	0.005
Hexachlorobutadiene	0.005
Hexachlorocyclopentadiene	0.005
N-Nitroso-Di-N-Propylamine	0.005
Pesticides	
4,4-DDD (p,p-TDE)	0.001
4,4-DDE (p,p-DEX)	0.001
4,4-DDT	0.001
a-BHC (alpha)	0.001
b-BHC (beta)	0.001
d-BHC (delta)	0.001
Dieldrin	0.001
Endosulfan II (beta)	0.001

Endosulfan Sulfate	0.001
Endosulfan-I (alpha)	0.001
Endrin	0.001
Endrin Aldehyde	0.001
g-BHC (gamma) (Lindane)	0.001
Heptachlor	0.001
Heptachlor Epoxide	0.001
Toxaphene	0.001
Polychlorinated biphenyls (PCBs)	
PCB 1016	0.001
PCB 1221	0.001
PCB 1232	0.001
PCB 1242	0.001
PCB 1248	0.001
PCB 1254	0.001
PCB 1260	0.001

Permit Amendments

VOID

ConocoPhillips

ConocoPhillips Company
Health, Safety & Environmental Department
5528 N W Doane Avenue
Portland, OR 97210

Certified Mail 7007 0710 0005 6660 9534

March 14, 2008

Mr. Eric De Berry
Bureau of Environmental Services
Industrial Source Control Division
6543 N. Burlington Avenue
Portland, Oregon 97203-5452

RE: Industrial Waste Water Discharge Permit Renewal
Permit No. 400.181
ConocoPhillips Portland Terminal
5528 NW Doane Avenue, Portland, Oregon

Dear Mr. De Berry,

Please find attached an application for renewal of Industrial Waste Water Discharge Permit No. 400.181 for ConocoPhillips Company's distribution terminal located at 5528 NW Doane Avenue, Portland, Oregon. As requested in your cover letter dated January 3, 2008, only those sections marked by you were completed and returned.

ConocoPhillips appreciates the City of Portland's assistance regarding our waste water discharge permit. Please contact the undersigned at (503) 248-1552 if you have questions concerning the information provided in this letter or if you require additional information.

Sincerely,

William H. Collins
Environmental Coordinator

cc: Terminal

1-86 S

ConocoPh

7007 0710 0005 6660 9534

PS Form 3800, August 2006 — See Reverse for Instructions

Sent To: Eric De Berry
Street, Apt. No., or PO Box No.
City, State, ZIP+4

COMPLETE THIS SECTION ON DELIVERY

A. Signature: X [signature] ☑ Agent ☐ Addressee

B. Received by (Printed Name): Duane Linnerin — C. Date of Delivery: 3-17-08

D. Is delivery address different from item 1? ☐ Yes ☐ No
If YES, enter delivery address below:

3. Service Type: ☒ Certified Mail ☐ Express Mail ☒ Registered ☐ Return Receipt for Merchandise ☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Mr. Eric DeBerry
City of Portland
6543 North Burlington Ave.
Portland, OR 97203-5452

2. Article Number (Transfer from service label): 7007 0710 0005 6660 9534

Domestic Return Receipt

PS Form 3811, February 2004

102595-02-M-1

...npany
...ronmental Department
...enue

March 14, 2008

Mr. Eric De Berry
Bureau of Environmental Services
Industrial Source Control Division
6543 N. Burlington Avenue
Portland, Oregon 97203-5452

RE: Industrial Waste Water Disch:
Permit No. 400.181
ConocoPhillips Portland Term:
5528 NW Doane Avenue, Portl:

Dear Mr. De Berry,

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ConocoPhillips appreciates the City of Portland's assistance regarding our waste water discharge permit. Please contact the undersigned at (503) 248-1552 if you have questions concerning the information provided in this letter or if you require additional information.

Sincerely,

William H. Collins

William H. Collins
Environmental Coordinator

cc: Terminal

1-86 S

COPPOR00002050

CITY OF PORTLAND ENVIRONMENTAL SERVICES

Water Pollution Control Laboratory
6543 N. Burlington Ave., Portland, Oregon 97203-5452
(503) 823-5600

INDUSTRIAL WASTEWATER DISCHARGE PERMIT APPLICATION

SECTION I: GENERAL INFORMATION

Confidential Information - Indicate those sections of this application that you wish to remain confidential *as well as* your reasons for requiring confidentiality. Wastewater discharge characteristics can not be considered confidential.

1. CONOCO PHILLIPS COMPANY
(Company Name)

2. PORTLAND TERMINAL
(Facility Name)

3. 5526 NW DOANE AVENUE
(Facility Address, Street)

PORTLAND (City) OREGON (State) 97210 (Zip Code)

4. 5526 NW DOANE AVENUE
(Mailing Address, Street/PO. Box)

PORTLAND (City) OREGON (State) 97210 (Zip Code)

5. Provide the name of the person to contact on information contained in this questionnaire:

TOM LYONS (Name) 503 246 1572 (Phone)

FACILITY SUPERVISOR (Title) 503 246 1522 (Fax)

6. Initial startup date of operations at this facility: APPROXIMATELY 1911

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SECTION I: GENERAL FACILITY INFORMATION, Continued

7. Person to be contacted in case of an emergency at this facility:

TOM LYONS	503 248 1572
Name	Phone
FACILITY SUPERVISOR	503 248 1522
Title	Fax

8. Is all of the information previously submitted in your facility's *Environmental Survey Part II*, still current, up-to-date, and correct?

Yes [X] No [ ]

{A copy of your facility's Environmental Survey Part II is included for your reference.}

If you checked No, make the needed changes to the enclosed Environmental Survey Part II, initial and date all changes and send in the corrected copy of the Survey with the completed Permit Application.

SECTION II: FACILITY PROCESS FLOW INFORMATION

1. For your facility, provide the following flows for each of your processes or proposed processes (i.e., manufacturing process line or other processes that may generate process wastewater).

Total Plant Flow in Gallons Per Day (gpd) discharged to the sanitary sewer collection system:

Daily Average ≈ 15,000 gpd Daily Maximum ≈ 50,000 gpd

Individual Process Flows in Gallons Per Day (gpd)

Process Description	Average Flow, gpd	Maximum Flow, gpd	Type of discharge
PROCESS STREAM - OIL/WATER SEPARATOR 003	13,437	50,817	oily water
- BASED ON 2007 ACTUAL THROUGHPUT			
SANITARY SEWER	1,250	1,250	SANITARY
- BASED ON 50 EMPLOYEES @ 25 gpd			

2. Is an inspection or sampling manhole structure available on-site? Yes [X] No [ ]

- If No, is one planned? Yes [ ] No [ ]
- If Yes, provide location below and include as part of the process flow schematic (see also Attachment B).
- Location description: THERE ARE MANY LOCATIONS FROM WHICH THE PROCESS SYSTEM AND SANITARY SEWER CAN BE INSPECTED. SEE THE SITE DRAINAGE PLANS FOR TANK FARM 1, TANK FARM 2, TANK FARM 3 AND THE DOCK FACILITIES CONTAINED IN ATTACHMENT A.

Rev. 9/14/98

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SECTION II: FACILITY PROCESS FLOW INFORMATION, Continued

3. Do you have, or plan to have, automatic sampling equipment or continuous wastewater flow metering equipment in use or included in future plans?

• Current:	Flow Metering	Yes [X]	No [ ]	N/A [ ]
	Sampling Equipment	Yes [ ]	No [X]	N/A [ ]
• Planned:	Flow Metering	Yes [ ]	No [ ]	N/A [X]
	Sampling Equipment	Yes [ ]	No [X]	N/A [ ]

If Yes, describe the equipment below and indicate the present or future location of this equipment on the process flow schematic in Attachment B:

4. Please describe below, or on a separate sheet of paper, any previous spills or slug discharges from the facility. Also list the clean-up actions taken as well as the remedial measures put in place to prevent a reoccurrence.

NO RECENT LARGE SPILLS OR SLUG DISCHARGES HAVE OCCURRED AT THE FACILITY. SEVERAL SMALL SPILLS DO OCCUR DURING THE COURSE OF OPERATIONS WITH PORTION TO MINIMALLY AFFECT THE PROCESS STREAM. SMALL SPILLS THAT OCCURRED DURING 2007 ARE DESCRIBED IN ATTACHMENT B.

SECTION III: FACILITY WASTEWATER INFORMATION

PART A. NON-CATEGORICAL INDUSTRIAL FACILITIES

1. Provide name and address of the commercial testing lab(s) who is (are) performing analyses:

COLUMBIA INSPECTION, INC.
(Laboratory Name)

7133 NORTH LOMBARD STREET
(Street Address)

PORTLAND (City) OREGON (State) 97203 (Zip Code)

503 286 9464 (Phone) 503 285 7831 (Fax)

2. List the Certification Program(s) in which the laboratory participates:

1) LICENSED IN OREGON, WASHINGTON AND CALIFORNIA 2) WA STATE UST-WASTE MANAGEMENT CERTIFICATION 3) STATE/NATIONAL ORELAP/NELAP ACCREDITED LABORATORY 4) US CUSTOM SERVICE APPROVED 5) MEMBER ASTM AND API

3. Compliance Certification: Compare the sample results against the listed Local Limits (Table 1).

a.) Is the facility meeting applicable pretreatment standards on a consistent basis?

Yes [X] No [ ] Don't Know [ ]

If Don't Know, then compliance must be evaluated after the baseline monitoring is completed.

If No, do you require:

b.) Additional operation and maintenance (O&M) to achieve compliance? Yes [ ] No [ ]

c.) New or additional pretreatment facilities to achieve compliance? Yes [ ] No [ ]

If additional O&M or new or additional pretreatment equipment will be required for the facility to meet pretreatment standards on a consistent basis, attach a description of what is required and a proposed schedule for completion of the work.

d.) I have provided a compliance schedule. Yes [ ] No [ ]

Describe the compliance schedule of events on a separate sheet. Detail what the proposed work entails and the proposed due dates for each of the tasks involved. The proposed compliance schedule is subject to prior approval by the City.

SECTION IV: SIGNATURES & CERTIFICATIONS

Qualified Professional Certification:

I hereby certify under penalty of law that this information was obtained in accordance with the applicable procedures and requirements as specified in the General Pretreatment Regulations and amendments thereto and the City's sewer use ordinance. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

WILLIAM H. COLLINS	ENVIRONMENTAL COORDINATOR
Name (print)	Title
William H. Collins	MARCH 13, 2008
Signature	Date

Authorized Representative Statement: {40 CFR 403.6(a)(2)(ii)}

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 is true accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Name (print)	Title
Signature	Date

ATTACHMENT A PRIORITY POLLUTANTS

Priority Pollutant Information

1. Indicate by placing an "X" in the appropriate space by each listed chemical whether it is Suspected to be Absent, Known to be Absent, Suspected to be Present, or Known to be Present in your manufacturing or service activity, or generated as a byproduct. * SEE NOTE AT BOTTOM OF LIST

No.	Pollutant of Concern	Known Absent	Suspected Absent	Suspected Present	Known Present	Annual Usage (lb./yr.)	Loss to Sewer (lb./yr.)
1.	asbestos (fibrous)				X	NA	0
2.	cyanide (total)	X					
3.	antimony (total)	X					
4.	arsenic (total)	X					
5.	beryllium (total)	X					
6.	cadmium (total)	X					
7.	chromium (total)	X					
8.	copper (total)	X					
9.	lead (total)				X		TRACE
10.	mercury (total)				X		TRACE
11.	nickel (total)	X					
12.	selenium (total)	X					
13.	silver (total)	X					
14.	thallium (total)	X					
15.	zinc (total)				X		≈ 100 lbs
16.	acenaphthene	X					
17.	acenaphthylene	X					
18.	acrolein	X					
19	acrylonitrile	X					
20.	aldrin	X					
21.	anthracene				X		TRACE
22.	benzene				X		< 1 lb.
23.	benzidine	X					
24	benzo(a)anthracene	X					
25.	benzo(a)pyrene	X					
26.	benzo(b)fluoranthene	X					
27.	benzo(g,h,i)perylene				X		
28	benzo(k)fluoranthene	X					
29.	a-BHC(alpha)	X					
30.	b-BHC(beta)	X					
31.	d-BHC(delta)	X					
32.	G-BHC*(gamma)	X					
33.	bis(2-chloroethyl)ether	X					
34.	bis(2-chloroethoxy)methane	X					
35.	bis(2-chloroisopropyl)ether	X					
36.	bis(chloromethyl)ether	X					
37.	bromodichloromethane	X					

38.	bis(2-ethythexyl)phthalate	X					
39.	bromoform	X					
40.	bromomethane	X					
41.	4-bromophenyl phenylether	X					
42.	butylbenzyl phthalate	X					
43.	carbon tetrachloride	X					
44.	chlordane	X					
45.	4-chloro-3-ethylphenol	X					
46.	chlorobenzene	X					
47.	chloroethane	X					
48.	2-chloroethylvinyl ether	X					
49.	chloroform	X					
50.	chloromethane	X					
51.	2-chloronaphthalene	X					
52.	2-chlorophenol	X					
53.	4-chlorophenylphenyl ether	X					
54.	chrysene	X					
55.	4,4'-DDE	X					
56.	4,4'- DDD	X					
57.	4,4'-DDT	X					
58.	dibenzo(a,h)anthracene	X					
59.	dibromochloromethane	X					
60.	1,2-dichlorobenzene	X					
61.	1,3-dichlorobenzene	X					
62.	1,4-dichlorobenzene	X					
63.	3,3-dichlorobenzidine	X					
64.	dichlorodifluoromethane	X					
65.	1,1-dichloroethane	X					
66.	1,2-dichloroethane	X					
67.	1,1-dichloroethene	X					
68.	trans-1,2-dichloroethene	X					
69.	1,4-dichlorophenol	X					
70.	1,2-dichloropropane	X					
71.	(cis&trans)1,3-dichloropropene	X					
72.	dieldrin	X					
73.	diethyl phthalate	X					
74.	2,4-dimethylphenol	X					
75.	dimethyl phthalate	X					
76.	di-n-butyl phthalate	X					
77.	di-n-ocytl phthalate	X					
78.	4,6-dinitro-2-methylphenol	X					
79.	1,4-dinitrophenol	X					
80.	1,4-dinitrotoluene	X					
81.	2,6-dinitrotoluene	X					
82.	1,2-diphenythydrazine	X					
83.	endosulfan t	X					
84.	endosulfan tt	X					
85.	endosulfan sulfate	X					
86.	endrin	X					

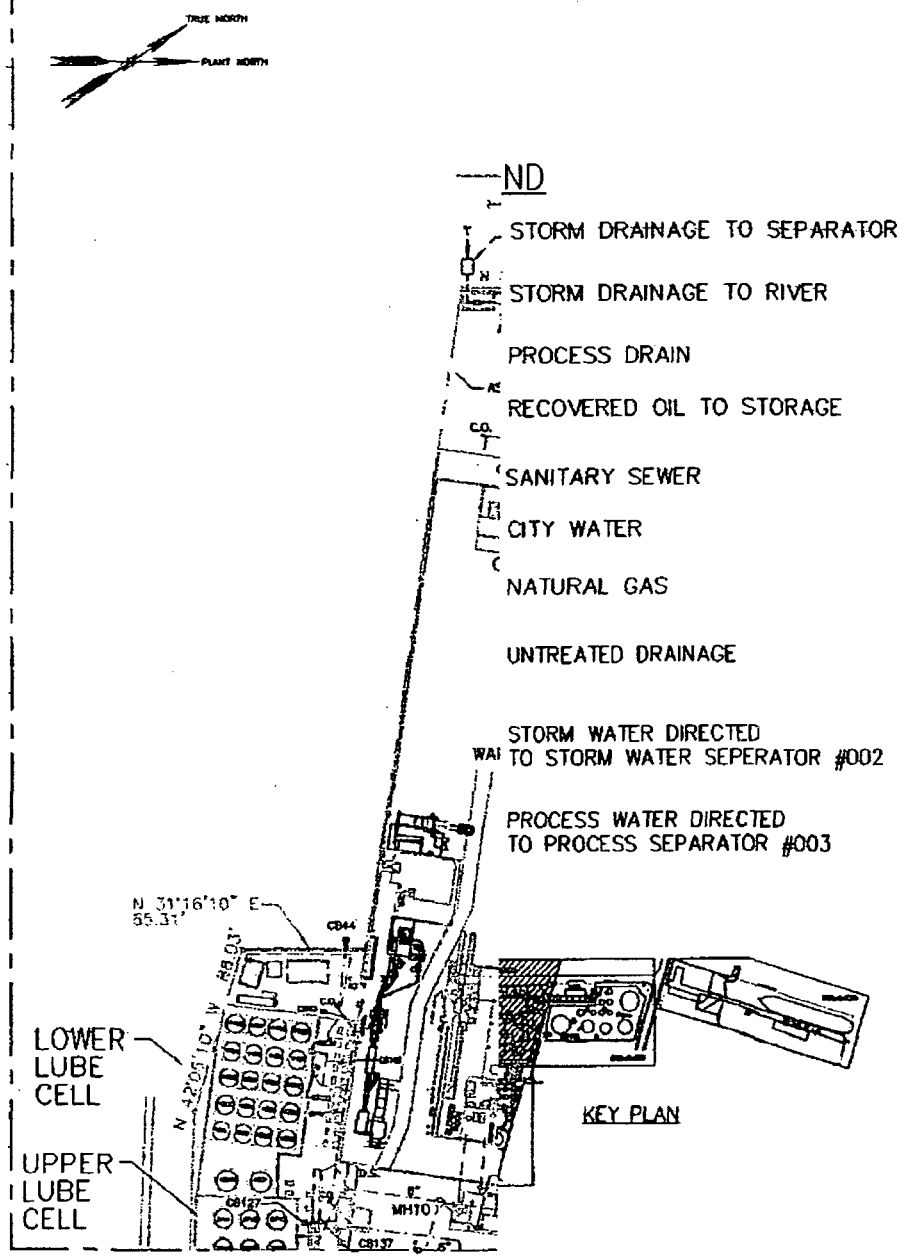
Revision 9/14/9898

87.	endrin aldehyde	X					
88.	ethylbenzene				X		< 1 lb.
89.	fluoranthene	X					
90.	fluorene	X					
91.	heptachlor	X					
92.	heptachlor epoxide	X					
93.	hexachlorobenzene	X					
94.	hexachlorobutadiene	X					
95.	hexachlorocyclobentadiene	X					
96.	hexachloroethane	X					
97.	indeno (1,2,3-cd)pyrene	X					
98.	isophorone	X					
99.	methylene chloride	X					
100.	naphthalene				X		< 1 lb.
101.	nitrobenzene	X					
102.	2-nitrophenol	X					
103.	4-nitrophenol	X					
104.	n-nitroso-dimethylamine	X					
105.	n-nitroso-dipropylamine	X					
106.	n-nitroso-diphenylamine	X					
107.	PCB-1016	X					
108.	PCB-1221	X					
109.	PCB-1232	X					
110.	PCB-1242	X					
111.	PCB-1248	X					
112.	PCB-1254	X					
113.	PCB-1260	X					
114.	pentachlorophenol	X					
115.	phenyl anthracene	X					
116.	phenol				X		TRACE
117.	pyrene	X					
118.	2,3,7,8-tetrachlorodibenzo-p-dioxin	X					
119.	1,1,2,2-tetrachloroethane	X					
120.	tetrachloroethene	X					
121.	toluene				X		< 1 lb.
122.	toxaphene	X					
123.	1,2,4-trichlorobenzene	X					
124.	1,1,1-trichloroethane	X					
125.	1,1,2-trichloroethane	X					
126.	trichloroethene	X					
127.	trichlorofluoromethane	X					
128.	2,4,6-trichlorophenol	X					
129.	vinyl chloride	X					

* THE POLLUTANTS MARKED AS "KNOWN PRESENT" ARE MINOR CONSTITUENTS OF PETROLEUM PRODUCTS PROCESSED AT THE FACILITY (i.e., GASOLINE, DIESEL, KEROSENE, ETHANOL, BUNKER OIL AND LUBE OILS/ADDITIVES). ASBESTOS IS PRESENT AS PIPE COATING IN OLDER SECTIONS OF PIPE AT THE FACILITY. ASBESTOS COATED PIPE IS OFTEN REMOVED AND DISPOSED OFFSITE DURING CONSTRUCTION PROJECTS AT THE FACILITY.

Attachment A

Site Drainage Plans



ALPHA ENGINEERS and CONSTRUCTORS, INC.

2929 NW 29th AVE, PORTLAND, OR 97210 Tel (503)227-3377/Fax (503)227-3344

AED PROJECT NUMBER 25-86

DRAWING NO.	REFERENCE DRAWING	NO.	REVISION DESCRIP
0608-C-7021	TANK FARM NO.3 GENERAL ARRANGEMENT	A	FOR REVIEW AND COMMENT
0608-C-7023	TANK FARM NO.3 GENERAL ARRANGEMENT	B	GENERAL UPDATE
		C	REVISE STORM DRAINAGE L
		D	UPDATED FOR SWPCP
		E	UPDATE TO REFLECT CHANG
		F	REMOVE FIGURE NO. AND B
		G	UPDATE INTERLOCK

PORTLAND TERMINAL

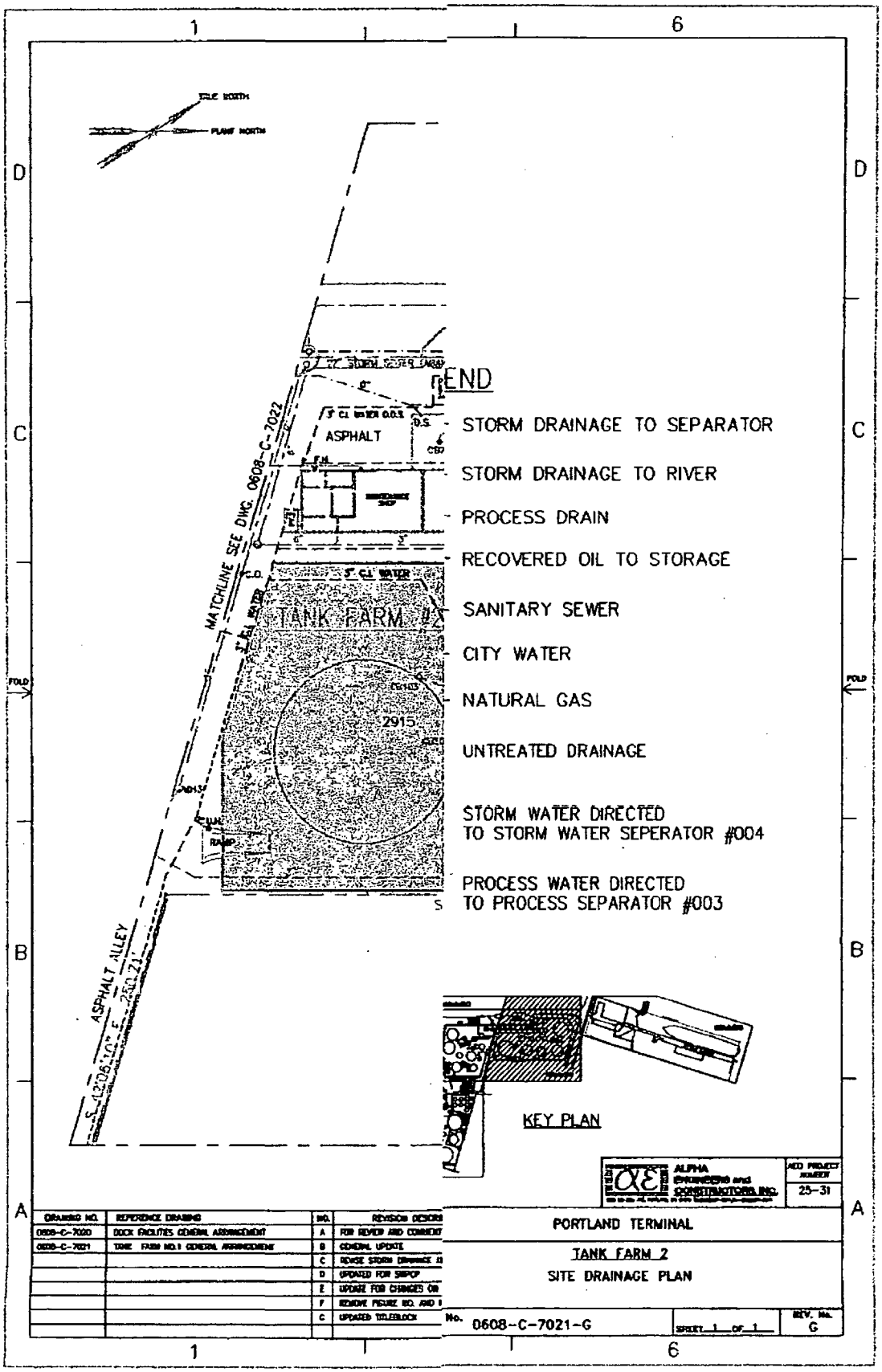
TANK FARM 1

SITE DRAINAGE PLAN

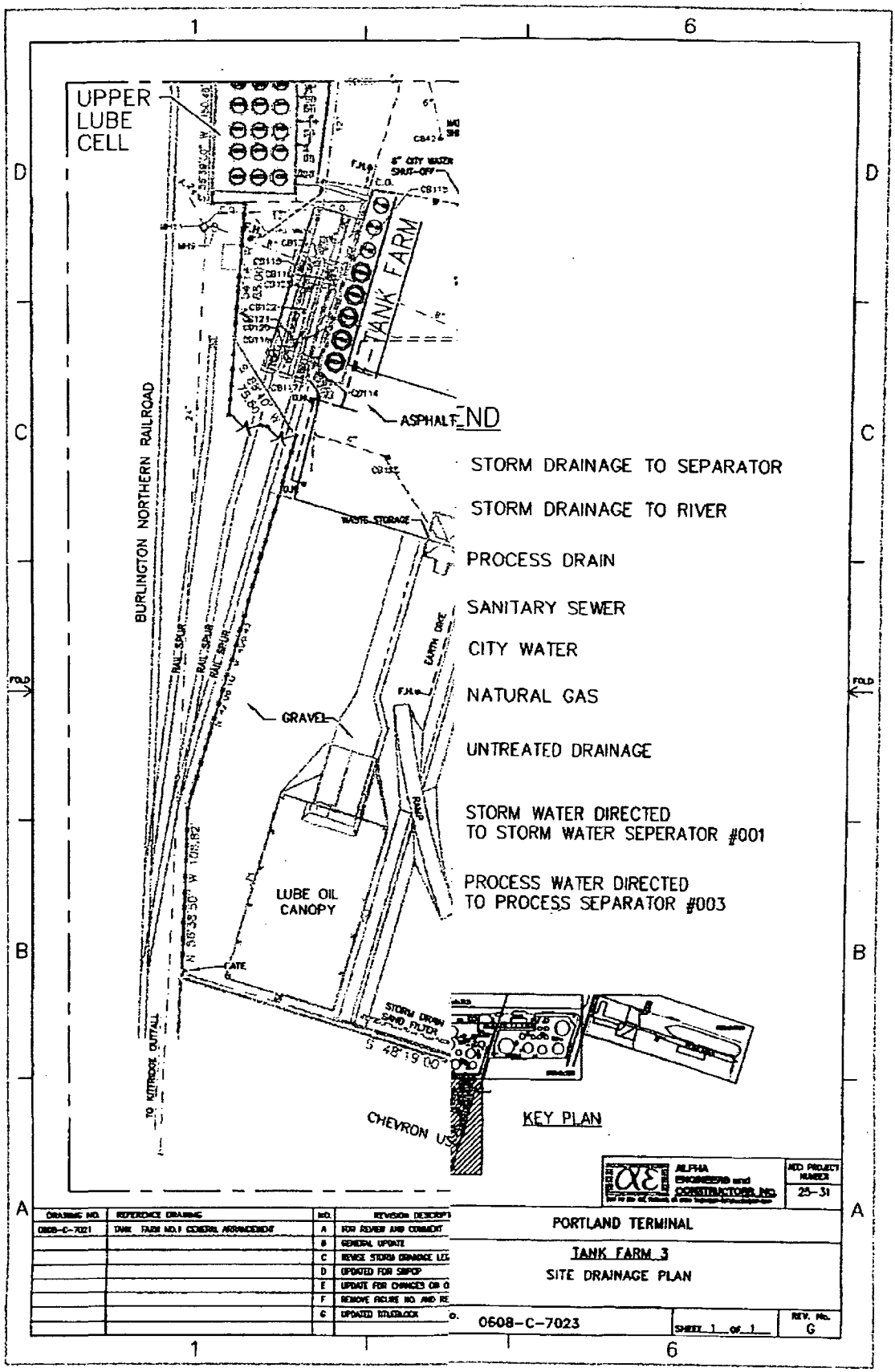
No. 0608-C-7022-G

SHEET 1 OF 1

REV. No. G



TILE NORTH
PLANT NORTH
MATCHLINE SEE DWG. 0608-C-7022
ASPHALT
TANK FARM #2
2915
ASPHALT ALLEY
END
STORM DRAINAGE TO SEPARATOR
STORM DRAINAGE TO RIVER
PROCESS DRAIN
RECOVERED OIL TO STORAGE
SANITARY SEWER
CITY WATER
NATURAL GAS
UNTREATED DRAINAGE
STORM WATER DIRECTED
TO STORM WATER SEPERATOR #004
PROCESS WATER DIRECTED
TO PROCESS SEPARATOR #003
KEY PLAN
ALPHA ENGINEERS and CONSTRUCTORS, INC.
AEC PROJECT NUMBER
25-31
DRAWING NO.
REFERENCE DRAWING
NO.
REVISION DESCRI
0608-C-7020
DOCK FACILITIES GENERAL ARRANGEMENT
A
FOR REVIEW AND COMMENT
0608-C-7021
TANK FARM NO.1 GENERAL ARRANGEMENT
B
GENERAL UPDATE
C
REVISE STORM DRAINAGE
D
UPDATED FOR SWPCP
E
UPDATE FOR CHANGES ON
F
REMOVE FIGURE NO. AND
G
UPDATED TITLEBLOCK
PORTLAND TERMINAL
TANK FARM 2
SITE DRAINAGE PLAN
No. 0608-C-7021-G
SHEET 1 OF 1
REV. No. G



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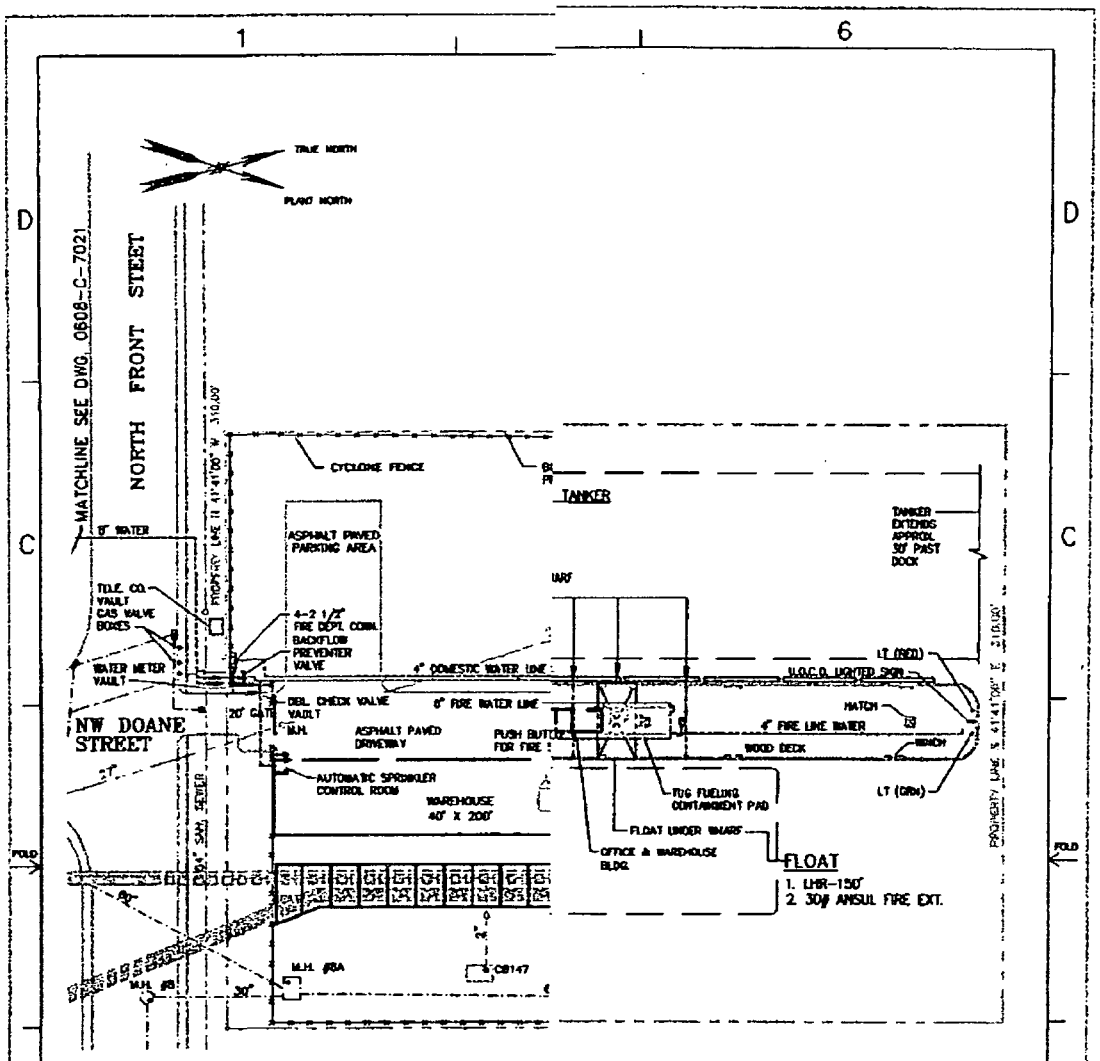

DRAWING NO.	REFERENCE DRAWING	NO.	REVISION DESCR
0608-C-7021	TANK FARM NO.1 GENERAL ARRANGEMENT	A	FOR REVIEW AND COMMEN
		B	GENERAL UPDATE
		C	REVISE STORM DRAINAGE
		D	UPDATED FOR SWPCP
		E	ADDED ADV CONTROLS.
		E	REMOVED BARGE LOADING
		F	UPDATED TITLEBLOCK

COPPOR00002064

Attachment B

2007 Spill History

2007 Spill History

January 20, 2007 – Approximately 20 gallons of black oil was released, mostly to containment, when the pressure gauge nipple failed on the discharge line. Affected soil was excavated and disposed. Similar pressure gauge assemblies at black oil manifold were removed and plugged. New construction will use schedule 160 steel fittings.

January 30, 2007 - Approximately 2 gallons of black oil were spilled to containment when a truck pump off valve was left open during loading. The affected area was cleaned up with sorbents and washed down. The driver was suspended for seven days and attended additional training.

February 1, 2007 - Approximately 1 quart of gasoline was released to containment at the loading rack when the dry brake malfunctioned. The affected area was cleaned up with sorbents and washed down. Existing dry brakes were retrofitted with replacement latches, latch springs and new castings. O-ring materials were upgraded to increase chemical resistance.

March 4, 2007 - Approximately 2 gallons of black oil spilled onto gravel when a flange leaked because of thermo expansion in a black oil production line. Affected gravel was excavated and disposed. A new gasket was installed.

April 6, 2007 - Approximately 2 gallons of diesel was released to containment at the loading rack because of a loading arm malfunction. The affected area was cleaned up with sorbents and washed down. The malfunctioning loading arm was replaced.

April 21, 2007 - Approximately 20 gallons of diesel was released to containment at the loading rack when a driver failed to close the internal valve on a truck during loading while the outer valve on the trailer failed to close. An investigation as to why the carrier's equipment failed and why the driver failed to close the internal valve was conducted. Disciplinary action was taken.

May 4, 2007 – Less than 1 gallon of diesel leaked from Tank 2784 creating a bubble in the exterior paint approximately 3 inches above the chime. The bubble was drained and a small area of the tank coated to prevent further leaking. Affected soil was excavated and disposed.

June 12, 2007 – Approximately 1 cup of kerosene was spilled on a contractor and the ground when a new meter containing the kerosene was being installed. Affected soil was excavated and disposed.

October 11, 2007 – Approximately 1 quart of gasoline sprayed onto a contractor from a drain down line used to pump gasoline from a utility trailer to the transmix tank. No gasoline reached the ground. A new hose was ordered and installed.

November 10, 2007 - Approximately 1 gallon of diesel was released to water when a tug overfilled its compartment during fueling. Procedures and equipment used for tug fueling were reviewed and recommendations made to prevent recurrence.

ConocoPhillips

ConocoPhillips Company
Health, Safety & Environmental Department
5528 N.W. Doane Avenue
Portland, OR 97210

CERTIFIED MAIL 7002 2030 0003 6063 7948

May 17, 2004

Annie Hill
Oregon Department of Environmental Quality
2020 SW Fourth Avenue, Suite 400
Portland, Oregon 97201

RE: ConocoPhillips Portland Terminal
NPDES Permit Renewal Application
Permit No. GEN1300, File No. 90845

Dear Ms. Hill,

Please find enclosed the NPDES permit renewal application for ConocoPhillips Portland Terminal, located at 5528 NW Doane Avenue, Portland, Oregon. Also included is a check totaling $100 for the filing and processing fees.

ConocoPhillips appreciates DEQ's assistance relative to our storm water discharge issues. Please contact the undersigned at (503) 248-1552 if you have any questions concerning our permit renewal application or if you require additional information.

Sincerely,

William H. Collins
Environmental Coordinator

cc: John Sherman – Portland Terminal
HSE Files

DEQ USE ONLY
Application #:
File #:
Mail ID #2/#9:
LLID/RM:
ACD Fee Paid:
DOC Conf.:
Notes:

RENEWAL APPLICATION NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT (NPDES-R)

Oregon Department of Environmental Quality

DEQ USE ONLY
Received:
Amount Received:
Check #:
Deposit #:
☐ IND ☐ DOM ☐ UIC
Notes:

A. REFERENCE INFORMATION

1. Legal Name: CONOCOPHILLIPS COMPANY	2. Common Name: CONOCOPHILLIPS COMPANY
3. Permit #: 1300-J DEQ Site ID#: OR0001338-4 FILE # 90845 Permit Expiration Date: 12/31/04	4. Facility Physical Address: 5526 NW DOANE AVENUE City, State, Zip Code: PORTLAND, OR 97210 County: MULTNOMAH
5. Responsible Official: JOHN SHERMAN Mailing Address: 5526 NW DOANE AVENUE.	Telephone #: 503-248-1538 City, State, Zip Code: PORTLAND, OR 97210
6. Facility Contact: BILL COLLINS Facility Mailing Address: 5526 NW DOANE AVENUE	Telephone #: 503-248-1552 City, State, Zip Code: PORTLAND, OR 97210
7. Invoice to: Billing Address:	Telephone #: City, State, Zip Code:

B. REQUIRED INFORMATION
(EPA Form 2A, 2B, 2C, 2E, or 2F must also be submitted with this application)

1. Briefly describe the permitted facility, type of wastewater, and primary method of wastewater treatment and disposal:

   The ConocoPhillips Portland Terminal is a bulk storage and distribution facility for finished petroleum products and lube oils. Approximately 75% of stormwater at the facility discharges to the Willamette River through two outfalls after being treated in three oil/water separators. The remaining 25%, which may come into contact with petroleum products, is handled as a process stream where it is treated by an oil/water separator and DAF-type hydrocleaner before being discharged to the City of Portland's sanitary sewer system.

2. Have the treatment or disposal methods employed, as indicated in previous applications, been altered in any way since the last application was submitted? ☐ YES ☒ NO If "YES," explain:

3. Has the quantity or quality of wastes discharged, as indicated in previous applications, been significantly changed in any way since the last application was submitted? ☐ YES ☒ NO If "YES," explain:

4. If there are any changes anticipated in the near future that would affect waste quantity or quality, attach an explanation or proposal. NO

5. Review each condition of your current permit and attach a brief report that indicates your progress in meeting the requirements, limitations, and compliance schedules of the permit. SEE ATTACHED

6. If the permitted facility or operation is a domestic wastewater treatment plant, attach a copy of your Biosolids Management Plan. NA

C. SIGNATURE OF LEGALLY AUTHORIZED REPRESENTATIVE

I hereby certify that the information contained in this application is true and correct to the best of my knowledge and belief. In addition, I agree to pay all permit fees required by Oregon Administrative Rules 340-45. This includes a renewal application fee to renew the permit and a compliance determination fee invoiced annually by DEQ to maintain the permit.

JOHN W. SHERMAN	TERMINAL SUPERVISOR
Name of Legally Authorized Representative (Type or Print)	Title
John W. Sherman	MAY 17, 2004
Signature of Legally Authorized Representative	Date

APPLICATION INSTRUCTIONS FOR RENEWAL NPDES INDIVIDUAL PERMIT

Please answer all questions. An incomplete application will not be processed. If the information requested is not applicable, please indicate as such.

A. REFERENCE INFORMATION:

1. Enter the legal name of the applicant. This must be the legal Oregon name (i.e., Acme Products, Inc.) or the legal representative of the company if it operates under an assumed business name (i.e., John Smith, dba Acme Products). The name must be a legal, active name registered with the Oregon Department of Commerce, Corporation Division (503) 378-4752, unless otherwise exempted by their regulations. The permit will be issued to the legal name of the applicant.

   If the legal name of the applicant has changed since the initial permit was issued or the permit needs to be transferred to a new owner, a *Name Change/Transfer of Ownership* form (enclosed) must also be submitted with this application. This form is available by contacting a DEQ regional office listed below or at http://waterquality.deq.state.or.us/wq/wqpermit/wqpermit.htm#PermitInfo.
2. Enter the common name of the facility or operation if different than the legal name.
3. Enter the permit number, DEQ site identification number (also known as the facility number or file number; this number may be found on the first page of your permit), and expiration date of your current permit.
4. Enter the physical location of the facility (not mailing address), including city, state, zip code, and county.
5. Enter the name, telephone number, and mailing address of the Responsible Official. The Responsible Official is the person that receives official correspondence from DEQ, such as renewal notices or notices of noncompliance, and may be contacted if there are questions about this application.
6. Enter the name, telephone number and mailing address of the Facility Contact if different from the Responsible Official. The Facility Contact is the person located at the facility that has specific knowledge of the facility or operation under permit (e.g., the treatment plant operator), and may be contacted if there are specific questions about this application.
7. Enter invoicing information for billing purposes if different from the Responsible Official (e.g., "Invoice To: Business Office - Accounts Payable").

B. REQUIRED INFORMATION:

1. Briefly describe the permitted facility, type of wastewater (industrial, sewage or both), and primary method of wastewater treatment and disposal. For example, "2 MGD domestic sewage treatment plant consisting of non-discharging, evaporative lagoons" or "Seasonal jelly processing facility with land irrigation of process wastewater."

2. - 6.
   Complete the remaining questions as indicated. Attach any additional pages of explanation, including any diagrams or maps that are needed to update the Department.

In addition, EPA Form 2A, 2B, 2C, 2E, or 2F must be submitted with this application depending on the type of facility or operation to be permitted. The correct form is enclosed in this application packet or may be obtained by contacting the appropriate DEQ regional office listed at the bottom of this page.

C. SIGNATURE OF LEGALLY AUTHORIZED REPRESENTATIVE:

The signature of a legally authorized representative must be provided in order to process this application.

Definition of Legally Authorized Representative:
See 40 CFR 122.22 for more detail. Also, please also provide the information requested in brackets [ ]

- Corporation — president, secretary, treasurer, vice-president, or any person who performs principal business functions; or a manager of one or more facilities employing more than 250 persons or having gross annual sales or expenditures exceeding $25 million that is authorized in accordance to corporate procedure to sign such documents
- Partnership — General partner *[list of general partners, their addresses and telephone numbers]*
- Sole Proprietorship — Owner(s) *[each owner must sign the application]*
- City, County, State, Federal, or other Public Facility — Principal executive officer or ranking elected official
- Limited Liability Company — Member *[articles of organization]*
- Trusts — Acting trustee *[list of trustees, their addresses and telephone numbers]*

FEE AND APPLICATION SUBMITTAL:

Please see the cover letter enclosed with this form or call the appropriate regional office below for fee information and to determine where to send this application. This application must be submitted at least 180 days prior to the expiration date of your current permit.

Send this form and fee to the appropriate DEQ regional office:
Make your check payable to the Department of Environmental Quality

DEQ Northwest Region	DEQ Western Region	DEQ Eastern Region
~~2020 SW 4th Ave., Suite 400~~ 811 SW 6th	750 Front St. NE, Suite 120	700 SE Emigrant, Suite 330
Portland, OR ~~97201-4987~~ Portland, OR	Salem, OR 97301-1039	Pendleton, OR 97801
[illegible]	[illegible]	(541) 276-4063 or 1-800-452-4011

5. **Review each condition of your current permit and attach a brief report that indicates your progress in meeting the requirements, limitations and compliance schedules of the permit.**

ConocoPhillips has satisfied all of the current permits conditions, including meeting the requirements, limitations and compliance schedules of the permit, over the permit cycle ending December 31, 2004. All required monitoring and sampling has been conducted and submitted on time with no exceedances noted during the current permit cycle. On occasion, the pH values for samples measured in the field and submitted for laboratory analysis differed in that one was greater than 6.0 while one was slightly less than 6.0 (i.e., the lower limit specified in our permit).

The City of Portland's Bureau of Environmental Services was contacted immediately, and the terminal conducted a through review of our storm water management practices relative to pH and our Storm Water Pollution Control Plan (SWPCP). It was determined that the slightly lower pH limits resulted from background conditions and were not the result of any practice occurring at the terminal. Regardless, we have instituted some additional guidelines regarding the sampling and analysis of pH data relative to storm water and rainfall events at the terminal. Some of the key points include:

- Purchase of field pH meter and regular calibration of the meter;
- Evaluation of storm water pH using field samples as well as laboratory-analyzed samples;
- In the event of a significant difference between the field and laboratory measurements (e.g., the laboratory measurement > 6.0 but the field measurement < 6.0), we will report the field measurement assuming that it more accurate; and
- Collection and maintenance of pH data in a database for comparison purposes.

ConocoPhillips would also like to emphasize that systems of catch basins, lift stations, oil/water separators, containment structures and manually operated valves are designed to prevent accidental spills from being discharged offsite and potentially affecting surface water. A Storm Water Pollution Control Plan (SWPCP), in addition to other related plans (i.e., Accidental Spill Plan, Spill Prevention Control and Countermeasure Plan, Facility Response Plan, Hazardous Waste Contingency Plan and USCG Marine Terminal Operations Manual), have been developed for the terminal and identify best management practices for minimizing contact with pollutants with stormwater, treating stormwater, as well as spill prevention, notification and response actions for use in the event of a release. A preventative maintenance program including regular visual inspections and cleaning and repairing of stormwater control, collection and treatment systems is in effect. Additionally, terminal personnel receive regular training on the provisions of the SWPCP and other plans, spill response, good housekeeping and materials management procedures and practices. Based on the controls currently in place to manage and treat stormwater, we feel confident that compliance with the conditions of our permit can be extended into the next permit cycle.

Please type or print in the unshaded areas only

EPA ID Number *(copy from Item 1 of Form 1)*

Form Approved. OMB No. 2040-0086
Approval expires 5-31-92.

Form 2E NPDES

EPA Facilities Which Do Not Discharge Process Wastewater

I. Receiving Waters

For this outfall, list the latitude and longitude, and name of the receiving water(s).

Outfall Number *(list)*	Latitude			Longitude			Receiving Water *(name)*
	Deg	Min	Sec	Deg	Min	Sec	
001	45	33	35	122	43	38	WILLAMETTE RIVER

II. Discharge Date *(if a new discharger, the date you expect to begin discharging)*

III. Type of Waste

A. Check the box(es) indicating the general type(s) of wastes discharged.

☐ Sanitary Wastes ☐ Restaurant or Cafeteria Wastes ☐ Noncontact Cooling Water ☒ Other Nonprocess Wastewater *(identify)* TREATED STORMWATER RUNOFF

B. If any cooling water additives are used, list them here. Briefly describe their composition if this information is available.

IV. Effluent Characteristics

A. **Existing Sources** — Provide measurements for the parameters listed in the left-hand column below, unless waived by the permitting authority *(see instructions)*.

B. **New Dischargers** — Provide estimates for the parameters listed in the left-hand column below, unless waived by the permitting authority. Instead of the number of measurements taken, provide the source of estimated values *(see instructions)*.

Pollutant or Parameter	(1) Maximum Daily Value *(include units)*		(2) Average Daily Value *(last year)* *(include units)*		(3) Number of Measurements Taken *(last year)*	(or) (4) Source of Estimate *(if new discharger)*
	Mass	Concentration	Mass	Concentration		
Biochemical Oxygen Demand (BOD)	NOT MEASURED					
Total Suspended Solids (TSS)	1.33 lbs/day	11 mg/L	0.03 lbs/day	6.0 mg/L	2	
Fecal Coliform *(if believed present or if sanitary waste is discharged)*	NOT MEASURED					
Total Residual Chlorine *(if chlorine is used)*	NOT MEASURED					
Oil and Grease	0.75 lbs/day	6.2 mg/L	0.014 lbs/day	2.73 mg/L	22	
*Chemical oxygen demand (COD)	1.69 lbs/day	14 mg/L	0.07 lbs/day	13.5 mg/L	2	
*Total organic carbon (TOC)	0.52 lbs/day	4.3 mg/L	0.02 lbs/day	3.8 mg/L	2	
Ammonia *(as N)*	NOT MEASURED					
Discharge Flow	Value 14,455 gal/day		604 gal/day			
pH *(give range)*	Value 6.08 - 7.63 S.U.		6.87 S.U.		22	
Temperature *(Winter)*	NOT MEASURED °C		°C			
Temperature *(Summer)*	NOT MEASURED °C		°C			

*If noncontact cooling water is discharged

COPPOR00002072

V. Except for leaks or spills, will the discharge described in this form be intermittent or seasonal? ☐ Yes ☒ No
If yes, briefly describe the frequency of flow and duration:

VI. Treatment System *(Describe briefly any treatment system(s) used or to be used)*

SEPARATOR 001 IS AN API OIL/WATER SEPARATOR WITH A CAPACITY EQUAL TO 17,300 GALLONS. THE AVERAGE RETENTION TIME FOR SEPARATOR 001 IS APPROXIMATELY 35 DAYS.

VII. Other Information *(Optional)*

Use the space below to expand upon any of the above questions or to bring to the attention of the reviewer any other information you feel should be considered in establishing permit limitations. Attach additional sheets, if necessary.

VIII. Certification

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.

A. Name & Official Title	B. Phone No. *(area code & no.)*
JOHN W. SHERMAN TERMINAL SUPERVISOR	503-248-1538
C. Signature	D. Date Signed
John W. Sherman	MAY 17, 2004

COPPOR00002073

Please type or print in the unshaded areas only

EPA ID Number *(copy from Item 1 of Form 1)*

Form Approved. OMB No. 2040-0086
Approval expires 5-31-92.

Form 2E NPDES

EPA Facilities Which Do Not Discharge Process Wastewater

I. Receiving Waters

For this outfall, list the latitude and longitude, and name of the receiving water(s).

Outfall Number *(list)*	Latitude Deg	Latitude Min	Latitude Sec	Longitude Deg	Longitude Min	Longitude Sec	Receiving Water *(name)*
002	45	34	20	122	44	08	WILLAMETTE RIVER

II. Discharge Date *(If a new discharger, the date you expect to begin discharging)*

III. Type of Waste

A. Check the box(es) indicating the general type(s) of wastes discharged.

☐ Sanitary Wastes ☐ Restaurant or Cafeteria Wastes ☐ Noncontact Cooling Water ☒ Other Nonprocess Wastewater *(identify)* TREATED STORMWATER RUNOFF

B. If any cooling water additives are used, list them here. Briefly describe their composition if this information is available.

IV. Effluent Characteristics

A. **Existing Sources** — Provide measurements for the parameters listed in the left-hand column below, unless waived by the permitting authority *(see instructions)*.

B. **New Dischargers** — Provide estimates for the parameters listed in the left-hand column below, unless waived by the permitting authority. Instead of the number of measurements taken, provide the source of estimated values *(see instructions)*.

Pollutant or Parameter	(1) Maximum Daily Value *(include units)* Mass	(1) Concentration	(2) Average Daily Value *(last year)* *(include units)* Mass	(2) Concentration	(3) Number of Measurements Taken *(last year)*	(or) (4) Source of Estimate *(if new discharger)*
Biochemical Oxygen Demand (BOD)	NOT MEASURED					
Total Suspended Solids (TSS)	0.57 lbs/day	14 mg/L	0.02 lbs/day	10.5 mg/L	2	
Fecal Coliform *(if believed present or if sanitary waste is discharged)*	NOT MEASURED					
Total Residual Chlorine *(if chlorine is used)*	NOT MEASURED					
Oil and Grease	0.28 lbs/day	7.0 mg/L	0.005 lbs/day	2.73 mg/L	22	
*Chemical oxygen demand (COD)	0.48 lbs/day	12 mg/L	0.02 lbs/day	11 mg/L	2	
*Total organic carbon (TOC)	0.26 lbs/day	6.4 mg/L	0.01 lbs/day	4.65 mg/L	2	
Ammonia *(as N)*	NOT MEASURED					
Discharge Flow	Value 4,845 gal/day		203 gal/day			
pH *(give range)*	Value 6 – 7.61 S.U.		6.44 S.U.		22	
Temperature *(Winter)*	NOT MEASURED	°C		°C		
Temperature *(Summer)*	NOT MEASURED	°C		°C		

*If noncontact cooling water is discharged

COPPOR00002074

V. Except for leaks or spills, will the discharge described in this form be intermittent or seasonal? ☐ Yes ☒ No
If yes, briefly describe the frequency of flow and duration.

VI. Treatment System *(Describe briefly any treatment system(s) used or to be used)*

SEPARATOR 002 IS AN API OIL/WATER SEPARATOR WITH A CAPACITY OF 7,125 GALLONS. THE AVERAGE RETENTION TIME FOR SEPARATOR 002 IS APPROXIMATELY 35 DAYS.

VII. Other Information *(Optional)*

Use the space below to expand upon any of the above questions or to bring to the attention of the reviewer any other information you feel should be considered in establishing permit limitations. Attach additional sheets, if necessary.

VIII. Certification

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.

A. Name & Official Title	B. Phone No. *(area code & no.)*
JOHN W. SHERMAN, TERMINAL SUPERVISOR	503-248-1538
C. Signature	**D. Date Signed**
John W. Sherman	MAY 17, 2004

COPPOR00002075

Please type or print in the unshaded areas only

EPA ID Number *(copy from Item 1 of Form 1)*

Form Approved. OMB No. 2040-0086
Approval expires 5-31-92

Form 2E NPDES

EPA Facilities Which Do Not Discharge Process Wastewater

I. Receiving Waters

For this outfall, list the latitude and longitude, and name of the receiving water(s).

Outfall Number *(list)*	Latitude Deg	Latitude Min	Latitude Sec	Longitude Deg	Longitude Min	Longitude Sec	Receiving Water *(name)*
004	45	34	20	122	44	08	WILLAMETTE RIVER

II. Discharge Date *(If a new discharger, the date you expect to begin discharging)*

III. Type of Waste

A. Check the box(es) indicating the general type(s) of wastes discharged.

☐ Sanitary Wastes ☐ Restaurant or Cafeteria Wastes ☐ Noncontact Cooling Water ☒ Other Nonprocess Wastewater *(Identify)* TREATED STORMWATER RUNOFF

B. If any cooling water additives are used, list them here. Briefly describe their composition if this information is available.

IV. Effluent Characteristics

A. **Existing Sources** — Provide measurements for the parameters listed in the left-hand column below, unless waived by the permitting authority *(see instructions)*.

B. **New Dischargers** — Provide estimates for the parameters listed in the left-hand column below, unless waived by the permitting authority. Instead of the number of measurements taken, provide the source of estimated values *(see instructions)*.

Pollutant or Parameter	(1) Maximum Daily Value *(include units)* Mass	(1) Maximum Daily Value *(include units)* Concentration	(2) Average Daily Value *(last year)* *(include units)* Mass	(2) Average Daily Value *(last year)* *(include units)* Concentration	(3) Number of Measurements Taken *(last year)*	(or) (4) Source of Estimate *(if new discharger)*
Biochemical Oxygen Demand (BOD)	NOT MEASURED					
Total Suspended Solids (TSS)	0.5 lbs/day	7.0 mg/L	0.01 lbs/day	4.0 mg/L	2	
Fecal Coliform *(if believed present or if sanitary waste is discharged)*	NOT MEASURED					
Total Residual Chlorine *(if chlorine is used)*	NOT MEASURED					
Oil and Grease	0.38 lbs/day	5.3 mg/L	0.007 lbs/day	2.48 mg/L	22	
*Chemical oxygen demand (COD)	0.71 lbs/day	10 mg/L	0.03 lbs/day	10 mg/L	2	
*Total organic carbon (TOC)	0.21 lbs/day	2.9 mg/L	0.008 lbs/day	2.5 mg/L	2	
Ammonia *(as N)*	NOT MEASURED					
Discharge Flow	Value 8,579 gal/day		356 gal/day			
pH *(give range)*	Value 6 – 7.99 S.U.		6.82 S.U.		22	
Temperature *(Winter)*	NOT MEASURED °C		°C			
Temperature *(Summer)*	NOT MEASURED °C		°C			

*If noncontact cooling water is discharged

COPPOR00002076

V. Except for leaks or spills, will the discharge described in this form be intermittent or seasonal? ☐ Yes ☒ No

If yes, briefly describe the frequency of flow and duration.

VI. Treatment System *(Describe briefly any treatment system(s) used or to be used)*

SEPARATOR 004 IS AN API OIL/WATER SEPARATOR WITH A CAPACITY EQUAL TO 23,060 GALLONS. THE AVERAGE RETENTION TIME FOR SEPARATOR 004 IS APPROXIMATELY 76 DAYS.

VII. Other Information *(Optional)*

Use the space below to expand upon any of the above questions or to bring to the attention of the reviewer any other information you feel should be considered in establishing permit limitations. Attach additional sheets, if necessary.

VIII. Certification

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.

A. Name & Official Title	B. Phone No. *(area code & no.)*
JOHN W. SHERMAN TERMINAL SUPERVISOR	503-248-1538
C. Signature	**D. Date Signed**
John W. Sherman	MAY 17 2004

COPPOR00002077

Oregon
John A. Kitzhaber, M.D., Governor

Department of Environmental Quality
Northwest Region
2020 SW Fourth Avenue
Suite 400
Portland, OR 97201-4987
(503) 229-5263 Voice
TTY (503) 229-5471

February 28, 2000

Tosco Corporation
Attn: Steve Gloeckner, Terminal Manager
PO Box 76
Portland OR 97207

Re: NPDES General Permit 1300-J
Site: Tosco Portland Terminal
File No. 90845
EPA OR No. OR000138-4
Multnomah County

The Department of Environmental Quality has received your application for National Pollutant Discharge Elimination System (NPDES) General Permit 1300-J along with appropriate fees and is enclosing the requested permit.

We urge you to carefully read the permit and to pay particular attention to the monitoring and reporting requirements outlined on page 8 through 10.

Please be advised that you will be billed an Annual Compliance Determination (ACD) each year as long as this permit is in effect.

Should you have any questions, please contact Elliot Zais at (503) 229-5292 or Annie Hill, Permits Coordinator at (503) 229-5438.

Sincerely,

Robert P. Baumgartner
Water Quality Manager
Northwest Region

amh
Enclosure
cc: File

GENERAL PERMIT
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
WASTE DISCHARGE PERMIT

Department of Environmental Quality
811 SW Sixth Avenue
Portland, OR 97204
Telephone: (503) 229-5279

Issued pursuant to ORS 468B.050 and The Federal Clean Water Act

Issued 2/28/00 GEN13J MULTNOMAH/NWR
File No. 90845 OR000138-4

Tosco Corporation
PO Box 76
Portland OR 97207
Site: Portland Terminal

SOURCES COVERED BY THIS PERMIT

Facilities storing, transferring, formulating and/or packaging bulk petroleum products or vegetable oils, and other facilities with oily storm water runoff and/or tank water bottoms. Facilities with discharges from oil/water separators that are also identified by 40 CFR §122.26 as needing an NPDES storm water permit may use this permit in place of the NPDES General Permit 1200 series of storm water permits if approved by the Department.

Michael T. Llewelyn, Administrator
Water Quality Division

1/11/00
Date

PERMITTED ACTIVITIES

Until this permit expires or is modified or revoked, the permittee is authorized to construct, install, modify, or operate a wastewater collection, treatment, control and/or disposal system, and discharge to public waters adequately treated wastewater only from the authorized discharge point or points established in Schedule A and only in conformance with all the requirements, limitations, and conditions set forth in the attached schedules as follows:

	Page
Schedule A - Waste Discharge Limitations, Benchmarks, and Storm Water Pollution Control Plan	2-7
Schedule B - Minimum Monitoring and Reporting Requirements	8-10
Schedule C - Compliance Conditions and Schedules	11
Schedule D - Special Conditions	12-13
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Schedule F - General Conditions	14-20

Unless authorized by another NPDES or WPCF permit, all other direct and indirect discharges to waters of the state is prohibited, including discharge to an underground injection control system.

SCHEDULE A

1. **Deminimus Activities**
The following activities do not require a 1300-J permit. However, any violation of water quality standards, including causing an oily sheen at the point of discharge to public waters, is not allowed. Any activity found to be adversely affecting water quality will be required to register for a permit. Such an activity would then be subject to all terms and conditions of this permit. In addition, if the activity is located at a facility subject to federal NPDES storm water regulations, a storm water discharge permit may still be required.

Facilities where the only source(s) of discharge is(are) from:

a) Storm water runoff that contacts oil-filled electrical equipment in transformer substations which are equipped with oil spill prevention measures such as containment areas and/or oil/water separators.

b) Storm water runoff that contacts petroleum product receiving or dispensing areas or product dispensing equipment from which product is dispensed only to final users, whether or not the discharge is treated by an oil/water separator.*

c) Storm water that collects in a secondary containment area at a petroleum product dispensing site, where the secondary containment area is associated with storage tanks from which product is dispensed only to final users, and the discharge from the containment area is treated by an oil/water separator.*

d) Storm water that collects in a secondary containment area at a bulk petroleum product storage site, where the total storage capacity at the site does not exceed 150,000 gallons, and the discharge from the containment area is treated by an oil/water separator. A site with multiple containment areas is considered a single site for determining total storage capacity.

* Conditions b and c apply only to retail or fleet fueling stations, including motor pools, where the only fuel dispensing that occurs is to the final user of the fuel; it is not intended to cover bulk storage facilities or facilities where product is transferred to delivery vehicles.

2. **Discharges from the Oil /Water Separator Shall Not Exceed the Following Limitations:**

Parameter	Limitation	
	Monthly Average mg/l	Daily Maximum mg/l
Oil & Grease	10	15
Oil & Grease	No visible sheen at any time	

3. **Bulk Petroleum and Vegetable Oil Storage Requirements**

a) Where bulk petroleum or vegetable oil products are stored, a spill prevention and response contingency plan that describes methods to prevent spills along with clean-up procedures and notification procedures shall be in force at all times. The methods and procedures shall be made available to appropriate personnel. An adequate inventory of the required spill cleanup material and equipment must be on-site or readily available to areas where bulk petroleum or vegetable oil products are stored. A Spill Prevention Control and Countermeasure (SPCC) plan, if applicable, can be used to satisfy this requirement.

b) All areas where bulk petroleum or vegetable oil tanks are located shall be bermed or adequately controlled to prevent discharge of product to surface waters or groundwater in the event of a tank

rupture or overfill. If an area which will control a spill has a drain, the drain must also be controlled to prevent loss of the material. The drain control method must include at a minimum one of the following: a shut-off valve; an oil/water separator; a tank; a non-discharging basin; or an area that includes containment with no discharge. A SPCC plan that conforms to 40 CFR §112 can be used to satisfy this permit condition.

c) All collected oily waters in product containment areas must be drained through an oil/water separation device prior to discharge to public waters or storm sewers leading to public waters.

d) Floating matter and settled matter shall be cleaned frequently from the oil/water separation devices to assure their continuously efficient operation. The facility must have a procedure that describes maintenance criteria for determining when the solids are at a level that requires cleaning. All floating matter and grit or other settled matter removed from the oil/water separator or otherwise collected on site shall be disposed in a manner that complies with all applicable water quality, hazardous waste, and solid waste rules for disposal of such solids.

Conditions 4 through 6 are additional requirements for storm water discharges from facilities identified by 40 CFR §122.26 as needing a NPDES permit.

4. **Limitations, Benchmarks, and Controls for Storm Water Discharges**

a) Specific storm water discharge limitations apply to each source discharge of storm water that is not controlled by an oil/water separator. Point source discharges controlled by an oil/water separator must meet the limitations in Schedule A.2.

Parameter	Limitation
Oil & Grease	Shall not exceed 10 mg/l
PH	Shall be between 6.0 and 9.0
Oil & Grease	No visible sheen

b) Storm water discharge benchmarks are guideline concentrations not limitations. They are designed to assist the permittee in determining if the implementation of their Storm Water Pollution Control Plan (SWPCP) is reducing pollutant concentrations to below levels of concern.

Parameter	Benchmark
Total Copper	0.1 mg/l
Total Lead	0.4 mg/l
Total Zinc	0.6 mg/l
Total Suspended Solids	130 mg/l
Floating Solids (associated with industrial activities)	No visible discharge

c) If limitations or benchmarks are not achieved, the permittee shall review their 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.6.b.

i. SWPCP Revision Any newly identified site controls shall 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 shall state as such in an update to the SWPCP.

ii. SWPCP Revision Submittal Results of this review shall be submitted to the Department in accordance with Schedule B.4.e and made available upon request to government agencies responsible for storm water management in the permittee's area.

iii. 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. The demonstration of natural or background conditions must be through monitoring of the same storm event used to evaluate benchmarks. If the permittee is eligible the monitoring reduction requirements are outlined in Schedule B.3.

5. **Preparation and Implementation of the Storm Water Pollution Control Plan**

a) The SWPCP shall be prepared and implemented according to the time frames set forth in Schedule C.

b) The SWPCP shall be signed in accordance with 40 CFR §122.22. Updates and revisions to the SWPCP shall also be signed in this manner. The SWPCP shall be signed as follows:
   i. For a Corporation - By a responsible corporate officer;
   ii. For a Partnership or Sole Proprietorship - By a general partner or the proprietor, respectively; or
   iii. For a Municipality, State, Federal, or other Public Facility - By either a principal executive officer or ranking elected official.

c) The SWPCP shall be kept current and updated as necessary to reflect any changes in facility operation.

d) The SWPCP and updates to the SWPCP shall be submitted to the Department in accordance with Schedule B.4.

e) A copy of the SWPCP shall be kept at the facility and made available upon request to government agencies responsible for storm water management in the permittee's area.

6. **Storm Water Pollution Control Plan Requirements**

a) **Site Description** The SWPCP shall 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., 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.2.b), a description supporting this approach shall also be included.

b) **Site Controls** The permittee shall 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 shall have the following minimum components. A description of each component shall be included in the SWPCP.

i. *Storm Water Best Management Practices* If technically and economically feasible, the following best management practices shall be employed at the site. A schedule for implementation of these practices shall 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 materials (see Schedule D., Definitions) shall 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 materials shall 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 shall be employed to eliminate or minimize oil and grease contamination of storm water discharges.
(3) Waste Chemicals and Material Disposal - Wastes shall 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 shall be covered to prevent exposure of storm water to these pollutants. Acceptable covers include, but are not limited to, storage 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 shall 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 shall be employed to minimize sediment loads in storm water discharges. For activities that involve land disturbance, the permittee shall contact the local municipality to determine if there are other applicable requirements.

(5) Debris Control - Screens, booms, settling ponds, or other methods shall be employed to eliminate or minimize debris in storm water discharges.

(6) Storm Water Diversion - Storm water shall 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 shall 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 shall be kept clean. Sweeping, prompt clean up of spills and leaks, and proper maintenance of vehicles shall 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 shall be included in the SWPCP. These methods and procedures shall be made available to appropriate personnel. The required clean up material shall 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 shall be implemented to ensure the effective operation of all storm water best management practices. At a minimum the program shall 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.

iv. *Employee Education* An employee orientation and education program shall be developed and maintained to inform personnel of the components and goals of the SWPCP. The education program shall also address spill response procedures and the necessity of good housekeeping practices. A schedule for employee education shall be included in the SWPCP.

c) **Record Keeping and Internal Reporting Procedures** The following information shall 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 APPLICABLE TO ALL SOURCES

7. Any facility which collects, treats and discharges wastewater or storm water to a municipally owned "storm sewer" may require a permit or other approval from the municipality. No discharge is allowed by this permit without appropriate documentation of prior approval.

8. *Oregon Administrative Rule 340-41-26(3)(a)(D), Surface Water Temperature Management Plan* Individual discharges are expected to meet the appropriate applicable temperature standard. Compliance with this permit meets the requirement of OAR 340-41-26(3)(a)(D) to develop and implement a surface water temperature management plan. If it is determined that discharges in a particular basin are impacting 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.

9. *Specific River Basin Requirements* The permittee shall comply with any Oregon Administrative Rule requirements specific to the applicable river basin.

10. *Water Quality Standards* Discharges must comply with water quality standards in OAR 340-41. In instances where a discharge adversely impacts water quality, the Department will require the facility to implement additional management practices, apply for an individual permit, or take other appropriate action.

11. Notwithstanding the effluent limitations established by this permit, except as provided in OAR 340-45-080, no wastes shall be discharged and no activities shall be conducted which will violate water quality standards as adopted in OAR Chapter 340 Division 41 except in the following defined mixing zone:

    The allowable mixing zone shall not extend beyond 25 feet from the point of each discharge to public waters. For discharges to storm sewers, the allowable mixing zone shall not extend beyond 25 feet from the point where the storm sewer intersects public waters.

12. Waste Load Allocation - If storm water monitoring or any other wastewater monitoring at the site indicates that a pollutant, for which the stream is water quality limited, is discharging in significant quantities, the permit may be terminated and application for an individual permit or different general permit may be required that would include waste load allocations.

13. Additional Limitations or Monitoring Required - If storm water monitoring or any other wastewater monitoring indicates that certain pollutants are being discharged in quantities which may violate water quality standards or impair the beneficial uses of the receiving stream, the permit may be reopened and additional effluent limits and/or monitoring requirements added.

SCHEDULE B
MONITORING AND REPORTING REQUIREMENTS

1. **Minimum Monitoring Requirements**

Item or Parameter	Minimum Frequency	Type of Sample
Oil and Grease	Twice/month* or weekly** when discharging	Grab
Oil/Water Separator	Daily	Visual observations***
Flow	Daily when discharging	Estimate
Oxygenated fuel additives****	Quarterly when discharging and on-site	Grab

* Facilities that only discharge storm water contaminated with oil and grease and/or fuel additives that are likely to be in the discharge where the discharge is treated with an oil/water separator. A monitoring reduction based on facility performance is allowed if the following conditions are met. If all twice/month monitoring results from October 1 to the end of February are in compliance then sampling once a month can commence. If any effluent violations occur the permittee shall revert back to twice/month monitoring until the conditions described above are again met. Sampling results reported under the previous permit or another general or individual permit for the most recent October 1999 through February 2000 period can be used to demonstrate compliance for the monitoring reduction.

** All other facilities covered by this permit that have discharges that may or may not be treated by an oil/water separator. A monitoring reduction based on facility performance is allowed if the following conditions are met. If all weekly monitoring results from October 1 to the end of February are in compliance then sampling once a month can commence. If any effluent violations occur the permittee shall revert back to weekly monitoring until the conditions described above are again met. Sampling results reported under the previous permit or another general or individual permit for the most recent October 1999 through February 2000 period can be used to demonstrate compliance for the monitoring reduction.

*** Daily observation should include observation of the runoff collection and treatment system, visual observation of discharge for any oil & grease sheen, as well as any discharge to public waters, where practicable.

****Oxygenated fuel additives means ethyl alcohol (ethanol) and/or Methyl-t-Butyl Ether (MTBE). Sampling for either or both of these compounds is required only during calendar quarters when either or both of these compounds is on-site in bulk quantities. Sampling need only be done for the specific oxygenated fuel additive(s) actually on-site in bulk quantities. Sampling for oxygenated fuel additives is not required if these compounds are on-site only in the form of a ready-to-use pre-blended fuel mixture.

Reporting Procedures

Monitoring results shall be reported on approved forms. The reporting period is the calendar month. Reports shall be submitted to the Department by the 15th day of the following month.

The monitoring reports shall also include dates when the oil/water separator is cleaned, the amount of material removed (in gallons for liquids and cubic feet for solids), and the location where waste materials were disposed.

The following conditions are in addition to condition 1 above, and apply to facilities identified by 40 CFR §122.26.

2. **Additional Monitoring Parameters** - The permittee shall analyze grab samples and make visual observations of all point source discharges for the following parameters:

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

VISUAL MONITORING OF STORM WATER	
Parameter	**Frequency**
Floating Solids (associated with industrial activities)	Once a month when discharging
Oil & Grease Sheen	Daily when discharging

a) **Grab Samples** Grab samples that are representative of the discharge shall 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.

b) **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.

c) **Monitoring Location** All samples shall 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.

d) **No Exposure** If there is no exposure of storm water to material handling equipment or activities, raw materials, intermediate products, final products, waste materials, by-products, or industrial machinery at the site, monitoring is not required. The permittee shall submit an annual statement certifying as such in lieu of monitoring (refer to Schedule B.4.b). If exposure cannot be prevented, the permittee shall comply with Schedule B.

3. **Monitoring Reduction**

a) **Visual Observations** No reduction is allowed.

b) **Grab Samples** The permittee is not required to conduct sampling if the benchmarks specified in Schedule A.4.b are met, or if the exceedance is due to natural or background conditions for at least

four consecutive storm water monitoring events over 24 continuous months.

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 shall be monitored as required in Schedule B.2 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 shall be evaluated against the benchmarks specified in this permit.
v. Monitoring data from the same storm event shall 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 shall submit written notification to the Department when exercising the monitoring waiver condition (refer to Schedule B.4.c).

c) **Reinstatement of Monitoring Requirements**

i. The permittee shall conduct monitoring as specified in Schedule B.2 if changes to site conditions are expected to impact storm water discharge characteristics.
ii. The Department may reinstate monitoring requirements as specified in Schedule B.2 if prior monitoring efforts were improper or results were incorrect.
iii. Monitoring may also be reinstated if future sampling efforts indicate benchmarks are being exceeded.

4. **Reporting Requirements** The permittee shall submit the following to the appropriate DEQ regional office:

a) **Monitoring Data** The permittee shall submit monitoring results by the 15th day of the following month when grab sampling and visual monitoring data are collected. If there was insufficient rainfall to collect samples, the permittee shall provide notification in the appropriate monthly report.

b) **No Exposure Certification** The permittee shall submit an annual certification by July 15 of each year if monitoring is not required due to no exposure of storm water to industrial activities. The certification shall state that site conditions have been evaluated and the facility meets the requirements of Schedule B.2.d.

c) **Monitoring Reduction Notification** The permittee shall submit written notification when exercising the monitoring reduction condition in Schedule B.3.b.

d) **SWPCP Update/Completion** The permittee shall prepare or update the SWPCP in accordance with Schedule C of the permit. The permittee shall submit an updated or completed SWPCP within 14 days after completion.

e) **SWPCP Revision** The permittee shall submit any revisions to the SWPCP required by Schedule A.4.c. within 14 days after the SWPCP is revised. If the Department does not comment on the revised SWPCP within 30 days, the permittee shall implement the revisions as proposed.

SCHEDULE C
COMPLIANCE CONDITIONS AND SCHEDULES

The following conditions apply to facilities identified by 40 CFR §122.26 that need a NPDES permit for storm water discharges.

1. **Existing Facilities**

   a) No later than 90 days after receiving this permit, the permittee shall complete/revise and begin implementation of their SWPCP to meet any new permit requirements.

   b) Except for site controls that require capital improvements (see Schedule D., Definitions), the SWPCP shall be implemented within 90 days after completion/revision of SWPCP. Site control activities that require capital improvements shall be completed in accordance with the schedule set forth in the SWPCP.

2. **New Facility**

   a) Prior to starting operations, a new facility shall prepare their SWPCP.

   b) Except for site controls that require capital improvements (see Schedule D.3, Definitions), the SWPCP shall be implemented within 90 days after beginning operation. Site control activities that require capital improvements shall be completed in accordance with the schedule set forth in the SWPCP.

3. **New Storm Water Discharges 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 shall submit to the Department a monitoring and water quality evaluation program. This program shall be effective in evaluating the in-stream impacts of the discharge as required by OAR 340-41-470. Within 30 days after Department approval, the permittee shall implement the monitoring and water quality evaluation program. New permittees are defined to include potential or existing dischargers that did not have a permit.

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 shall 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, and detention/retention basins.
      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 Materials* 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.

   f) *Product Dispensing Equipment* includes the pump, hose, nozzle, and meter assembly used to dispense product.

   g) *Product Dispensing Site* is a site where product is dispensed for final use; e.g., a vehicle fueling station.

   h) *Secondary Containment Area* means a containment area for a tank or tanks, intended to prevent a release to the environment in the event of an accidental release of product.

   i) *Storm Water* means storm water runoff, snow melt runoff, and surface runoff and drainage.

j) *Storm Water Discharge Associated with Industrial Activities [Edited version of 40 CFR §122.26(b)(14)]* means the discharge from any conveyance which is used for collecting and conveying storm water and which is directly related to manufacturing, processing or raw materials storage areas at an industrial plant. The term does not include discharges from facilities or activities excluded from the NPDES program under 40 CFR §122. For the categories of industries identified in 40 CFR §122.26(b)(14), the term includes, but is not limited to, storm water discharges from industrial plant yards; immediate access roads and rail lines used or traveled by carriers of raw materials, manufactured products, waste material, or by-products used or created by the facility; material handling sites; refuse sites; sites used for the application or disposal of process waste waters [as defined at 40 CFR §401]; sites used for the storage and maintenance of material handling equipment; sites used for residual treatment, storage, or disposal; shipping and receiving areas; manufacturing buildings; storage areas (including tank farms) for raw materials, and intermediate and finished products; and areas where industrial activity has taken place in the past and significant materials remain and are exposed to storm water.

For the categories of industries identified in 40 CFR §122.26, the term includes only storm water discharges from all the areas (except access roads and rail lines) that are listed in the previous sentence where material handling equipment or activities, raw materials, intermediate products, final products, waste materials, by-products, or industrial machinery are exposed to storm water. For the purposes of this paragraph, material handling activities include the storage, loading and unloading, transportation, or conveyance of any raw material, intermediate product, finished product, by-product or waste product. The term excludes areas located on plant lands separate from the plant's industrial activities, such as office buildings and accompanying parking lots as long as the drainage from the excluded areas is not mixed with storm water drained from the above described areas. Industrial facilities (including industrial facilities that are federally, state, or municipally owned or operated that meet the description of the facilities listed in 40 CFR §122.26) also include those facilities designated under the provisions of 40 CFR §122.26 (a)(1)(v).

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 shall 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 shall 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 for and have the permit renewed. The application shall 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.

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 shall 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 shall 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 shall, 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 shall not be 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 shall submit prior written notice, if possible at least ten days before the date of the bypass.
      (2) Unanticipated bypass. The permittee shall 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 shall 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 shall 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 shall 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 shall 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 shall be representative of the volume and nature of the monitored discharge. All samples shall be taken at the monitoring points specified in this permit and shall be taken, unless otherwise specified, before the effluent joins or is diluted by any other waste stream, body of water, or substance. Monitoring points shall 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 shall be selected and used to ensure the accuracy and reliability of measurements of the volume of monitored discharges. The devices shall 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 shall 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 Part 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 shall, 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 shall be summarized each month on a Discharge Monitoring Report form approved by the Department. The reports shall 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 shall be included in the calculation and reporting of the data submitted in the Discharge Monitoring Report. Such increased frequency shall 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 shall be recorded unless otherwise specified in this permit.

7. Averaging of Measurements
Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean, except for bacteria which shall 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 shall be retained for a period of at least five years (or longer as required by 40 CFR part 503), the permittee shall 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 shall 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 shall 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 shall comply with Oregon Administrative Rules (OAR) 340, Division 52, "Review of Plans and Specifications". Except where exempted under OAR 340-52, no construction, installation, or modification involving disposal systems, treatment works, sewerage systems, or common sewers shall be commenced until the plans and specifications are submitted to and approved by the Department. The permittee shall 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 shall 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 shall be transferred to a third party without prior written approval from the Director. The permittee shall 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 shall be submitted no later than 14 days following each schedule date. Any reports of noncompliance shall 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 shall report any noncompliance which may endanger health or the environment. Any information shall 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 shall be called. Outside of normal business hours, the Department shall be contacted at 1-800-452-0311 (Oregon Emergency Response System).

A written submission shall 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 shall 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 shall 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 shall report all instances of noncompliance not reported under General Condition D.4 or D.5, at the time monitoring reports are submitted. The reports shall 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 shall furnish to the Department, within a reasonable time, any information which the Department may request to determine compliance with this permit. The permittee shall 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 shall promptly submit such facts or information.

8. Signatory Requirements
All applications, reports or information submitted to the Department shall 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 shall 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 340-41.
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.

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Permit 1200-2

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CITY OF PORTLAND
ENVIRONMENTAL SERVICES
Water Pollution Control Laboratory
6543 N. Burlington Avenue, Bldg. 217, Portland, Oregon 97203 • Sam Adams, Commissioner • Dean Marriott, Director

www.portlandonline.com/bes

January 22, 2008

William Collins
ConocoPhillips
5528 NW Doane Ave
Portland, Oregon 97210

Dear Mr. Collins:

On Janaury 18, 2008, City of Portland staff inspected your facility, located at 5528 NW Doane Ave. in Portland, Oregon, for compliance with conditions contained in its NPDES 1200-Z Storm Water Permit. The areas of interest that we discussed during the inspection were as follows:

- The facility has switched from the 1300-J sampling and reporting schedules to those of the 1200-Z, as of December 10, 2008. Please continue doing the monthly visual monitoring and preventative maintenance procedures as required in the 1200-Z permit.
- The current procedure of keeping the outlet valves from the site closed prior to sampling for compliance should be continued. It is more protective of the river than to keep the valves open.
- The issue of sampling prior to discharge or while discharging during a rain event is being discussed with DEQ for all bulk oil terminal sampling. A guidance memo or letter will be forthcoming from DEQ.
- As there have been some personnel changes at the facility over the last few months, it is urged that the sampling and reporting procedures be reviewed, making sure that they match the 1200-Z permit requirements.

The City also appreciates your efforts in reducing stormwater pollution from your facility. If you have any questions regarding this letter, please contact me at 503/823-5537.

Sincerely,

Timothy P. Dean
Permit Manager
Industrial Stormwater

13005

year runs July 1 thru June 30th

new

GENERAL PERMIT
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
STORMWATER DISCHARGE PERMIT
Department of Environmental Quality
811 S.W. 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:

SOURCES THAT ARE REQUIRED TO OBTAIN COVERAGE UNDER THIS PERMIT

Pursuant to 40 Code of Federal Regulation (CFR) §122.26(b)(14)(i - ix, xi) and OAR 340-045-0033(5), facilities identified in *Table 1: Sources Covered* on p. 3 below that may discharge stormwater from a point source to surface waters or to conveyance systems that discharge to surface waters. These facilities must complete the application and registration procedures to obtain coverage under the permit; see *Permit Coverage and Exclusion from Coverage* on p. 5 below.

Note:
1) Facilities may apply for conditional exclusion from the requirement to register for coverage under this permit if there is no exposure of industrial activities and materials to stormwater pursuant to 40 CFR §122.26(g); see *Permit Coverage and Exclusion from Coverage* on p. 5 below.

2) Sources meeting the description above, but that are excluded from this permit include: (i) Construction activities, asphalt mix batch plants, concrete batch plants and Standard Industrial Classification code 14, *Mining and Quarrying of Nonmetallic Minerals, Except Fuels.* These activities are regulated under separate general permits; and (ii) any source that has obtained a individual NPDES permit for the discharge.

Date: August 23, 2006

Lauri Aunan , Administrator
Water Quality Division

PERMITTED ACTIVITIES

Until this permit expires or is modified or revoked, the permit registrant is authorized to construct, install, modify, or operate stormwater treatment or control facilities, and to discharge stormwater 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		5
Schedule A -	Stormwater Pollution Control Plan, Additional Requirements, Limitations, and Benchmarks	8
Schedule B -	Monitoring and Reporting Requirements	15
Schedule C -	Compliance Conditions and Schedules	18
Schedule D -	Special Conditions	20
Schedule F -	General Conditions	22

Unless specifically authorized by this permit, by regulation issued by EPA, 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.

Schedule F contains General Conditions that are included in all general permits issued by DEQ. Should conflicts arise between Schedule F and any other schedule of the permit, the requirements in Schedule F will not apply.

TABLE 1: SOURCES COVERED Types of Industrial Sources required to obtain coverage under this permit.
Facilities with the following primary Standard Industrial Classification (SIC) 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 and 2491 Wood Preserving. (Activities with SIC 2411 Logging that are defined in 40 CFR §122.27 as silvicultural point source discharges are covered by this permit.) 25 Furniture and Fixtures 26 Paper and Allied Products 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 SIC codes that have vehicle maintenance shops (including vehicle rehabilitation, mechanical repairs, painting, fueling, and lubrication), equipment cleaning operations, or airport deicing operations: 40 Railroad Transportation 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, except as provided in Note 1 below.
Facilities storing, transferring, formulating, or packaging bulk petroleum products or vegetable oils, except as provided in Note 1 below.
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 stormwater" (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 stormwater" (as defined by 40 CFR §445.2) to waters of the U.S.]

TABLE 1: SOURCES COVERED Types of Industrial Sources required to obtain coverage under this permit.
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.

Note 1:
Permit registration is not required for a facility covered in Table 1 if discharges are only from:

a) Stormwater that contacts oil-filled electrical equipment in transformer substations that are equipped with properly functioning oil spill prevention measures such as containment areas or oil/water separators.
b) Stormwater that contacts petroleum product receiving or dispensing areas or product dispensing equipment from which product is dispensed to final users, whether or not the stormwater is treated by an oil/water separator.
c) Stormwater that collects in a secondary containment area at a petroleum product dispensing site, where the secondary containment area is associated with storage tanks from which product is dispensed only to final users, and the discharge from the containment area is treated by an oil/water separator.
d) Stormwater that collects in a secondary containment area at a bulk petroleum product storage site, where the total storage capacity at the site does not exceed 150,000 gallons, and the discharge from the containment area is treated by an oil/water separator. A site with multiple containment areas is considered a single site for determining total storage capacity.

PERMIT COVERAGE AND EXCLUSION FROM COVERAGE

1) **New Application for Permit Coverage**
   a) An owner or operator of a new facility or existing facility that is required to be covered under this permit must:
      i) *New facility* - Submit a complete application, which includes a department-approved application form; a Stormwater Pollution Control Plan (SWPCP); and applicable permit fees, to the department or agent at least 60 calendar days before the planned activity that requires permit coverage, unless otherwise approved by the department or agent (see Schedule D for description of agent). If an agent is receiving the application materials, submit two copies of the SWPCP.
      ii) *Existing facility operating without coverage under the permit* - Submit a complete application, which includes a department-approved application form; a SWPCP; and applicable permit fees, to the department or agent immediately. If an agent is receiving the application materials, submit two copies of the SWPCP.
      iii) *Existing facility operating under permit coverage that intends to change industrial processes* - Submit a complete application, which includes a department-approved application form; a SWPCP; and applicable permit fees, to the department or agent at least 60 calendar days before the planned change, unless otherwise approved by the department or agent. If an agent is receiving the application materials, submit two copies of the SWPCP.
   b) Public Review Period on new application and SWPCP*
      i) The application form and SWPCP are subject to a 14-calendar day public review period before permit registration is granted by the department.
      ii) The public review period will not begin if the application form or SWPCP are incomplete.
   c) Registration
      i) The department or agent will notify the applicant in writing if registration is approved or denied. Permit coverage does not begin until the applicant receives written notice from the department or agent that the registration is approved.
      ii) If registration is denied or the applicant does not wish to be regulated by this permit, the applicant may apply for an individual permit in accordance with OAR 340-045-0030.

2) **Renewal Application for Permit Coverage**
   a) An owner or operator of a facility registered under the 1200-Z permit that expires on June 30, 2007 must submit a complete renewal application, which includes a department-approved renewal application form; an updated SWPCP, if revisions to the SWPCP are necessary to address changed conditions or meet new permit requirements of this permit; and applicable permit fees, to the department or agent by January 30, 2007 to ensure uninterrupted permit coverage for industrial stormwater discharges. If an updated SWPCP is not submitted, the department will use the existing SWPCP for public notice purposes.
   b) Public Review Period on renewal application and SWPCP*
      i) The renewal application and SWPCP are subject to a 14-calendar day public review period before permit coverage may be renewed by the department or agent.
      ii) The public review period will not begin if the renewal application or SWPCP are incomplete.
   c) Registration
      i) The department or agent will notify the applicant in writing if registration is approved or denied.
      ii) If registration is denied or the applicant does not wish to be regulated by this permit, the applicant may apply for an individual permit in accordance with OAR 340-045-0030.

* The public review period described in conditions 1.b and 2.b above do not apply to registration applications and accompanying SWPCPs for new or existing facilities that were subject to public notice and comment requirements prior to July 1, 2007.

3. **Name Change or Transfer of Permit Coverage**
   a) For a name change or transfer of permit coverage between legal entities with no industrial process changes at the site, the owner or operator must submit a complete copy of the department-approved Name Change or Permit Transfer application form; an updated SWPCP, if revisions are necessary to address changed conditions, and applicable fees to the department or agent within 30 calendar days of the name change or planned transfer. If submittal is made to the agent, two copies of the SWPCP are required.
   b) The department or agent will notify the applicant in writing if the transfer is approved or denied. The department will transfer coverage under the permit after the department approves the application.
   c) For a name change or transfer of permit coverage between legal entities that intend to change industrial processes, the owner or operator must submit a new application for coverage under this permit as required in condition 1.a.iii above.

4) **"No Exposure" Conditional Exclusion from Permit Coverage**
   a) An owner or operator that applies for a "no exposure" conditional exclusion from coverage under this permit must:
      i) Provide a storm resistant shelter to protect industrial materials and activities from exposure to rain, snow, snow melt, and runoff, except as provided in the Environmental Protection Agency (EPA) *Guidance Manual for Conditional Exclusion from Stormwater Permitting Based on "No Exposure" of Industrial Activities to Stormwater* (EPA 833-B-00-001, June 2000). Storm resistant shelters with unsealed zinc or copper roofing materials are not eligible for the "no exposure" conditional exclusion.
      ii) Ensure that contaminated soil or materials from previous operations is not exposed.
      iii) Complete and sign a certification, on a form approved by the department, that there is no stormwater exposure to industrial materials and activities from the entire facility, except as provided in 40 CFR §122.26(g)(2). The EPA *Guidance Manual* (EPA 833-B-00-001) may be used to determine whether the no exposure criteria are met.
      iv) Submit the signed certification to the department or agent once every five years. If the department or agent does not comment on the "no exposure" certification within 30 days, the "no exposure" conditional exclusion is deemed approved. The department or agent may notify the applicant in writing or by email of its approval. The owner or operator must keep a copy of the certification on site and any notification of approval on site.
      v) Allow the department or agent to inspect the facility to determine compliance with the "no exposure" conditions, and allow the department or agent to make any "no exposure" inspection reports available to the public upon request.
      vi) Submit a copy of the "no exposure" certification to the municipal separate storm sewer system (MS4) operator (i.e., local municipality, district), upon their request, if facility discharges through an MS4; and allow inspection and public reporting by the MS4 operator.
   b) Limitations for obtaining or maintaining the exclusion:
      i) This exclusion is available on a facility-wide basis only, not for individual outfalls.
      ii) If industrial materials or activities become exposed to rain, snow, snow melt, 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 must apply for and obtain permit coverage before the change of circumstances.

iii) The department or agent retains the authority to make a determination that the "no exposure" conditional exclusion no longer applies and require the owner or operator to obtain permit coverage.

5. **Revocation of Permit Coverage** - The department may revoke a permit registrant's coverage under the permit pursuant to OAR 340-045-033(10).

SCHEDULE A
STORMWATER POLLUTION CONTROL PLAN

1. **Preparation and Implementation of Stormwater Pollution Control Plan (SWPCP)**
   a) The permit registrant must ensure that the SWPCP contains the applicable information described in condition A.3.
   b) The SWPCP must be prepared by a person knowledgeable in stormwater management and familiar with the facility.
   c) The name of the person(s) preparing the SWPCP must be included in the plan.
   d) The SWPCP must be signed and certified in accordance with 40 CFR §122.22.
   e) The SWPCP must be implemented according to conditions A.3.c and Schedule C. Failure to implement any portion of the SWPCP constitutes a violation of the permit.
   f) The SWPCP must be kept current and updated as necessary to reflect any changes in facility operation.
   g) A copy of the SWPCP must be kept at the facility and made available upon request to government agencies responsible for stormwater management in the permit registrant's area.

2. **SWPCP Revisions and Actions Plans**
   a) After the permit registration is approved, if the permit registrant proposes to revise its SWPCP or the department or agent require revisions to the SWPCP, the permit registrant must clearly describe these revisions in an Action Plan.
   b) The Action Plan is considered an addendum to the SWPCP and must be prepared in compliance with condition A.1 above.
   c) Within 30 calendar days of making SWPCP revisions, permit registrant must submit an Action Plan to the department or agent for approval. If the department or agent does not comment within 10 business days of receiving the Action Plan, it is deemed approved. Failure to implement any portion of the Action Plan constitutes a violation of the permit.

3. **Required SWPCP Elements**
   a) **Title Page** - The title page of the SWPCP must contain the following information:
      i) Name of the site.
      ii) Name of the site operator or owner.
      iii) Site or file number as indicated on the permit.
      iv) Contact person's name and telephone number.
      v) Physical address, including county, and mailing address if different.

   b) **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 condition D.3, Definitions) that are stored, used, treated or disposed of in a manner that allows exposure to stormwater. Also describe the methods of storage, usage, treatment 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 (piping, ditches, etc.);
         (3) outline of the drainage area for each stormwater outfall;
         (4) paved areas and buildings within each drainage area;
         (5) areas used for outdoor manufacturing, treatment, storage, or disposal of significant materials;
         (6) existing structural control measures for reducing pollutants in stormwater 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., and
(10) location of springs, wetlands and other surface waterbodies both on site and adjacent to the site.

iv) Estimates of the amount of impervious surface area (including paved areas and building roofs) relative to the total area drained by each stormwater outfall.

v) For each area of the site where a reasonable potential exists for contributing pollutants to stormwater runoff, identify the potential pollutants that could be present in stormwater discharges.

vi) The name(s) of the receiving water(s) for stormwater 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 stormwater monitoring will occur as required by Schedule B. If multiple discharge outfalls exist but will not all be monitored, include a description of the outfalls and data or analysis supporting that the outfalls are representative as described in condition B.2.b.

c) **Site Controls** - The permit registrant must develop, implement, and maintain the controls that are appropriate for the site. The purpose of these controls is to eliminate or minimize the exposure of pollutants to stormwater or to remove pollutants from stormwater before it discharges to surface waters. In developing a control strategy, the permit registrant must include the following four (4) types of controls in the SWPCP and describe the specific components of each control:

i) *Stormwater Best Management Practices* - The permit registrant must employ the following types of best management practices that are appropriate for 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 implementing the SWPCP in Schedule C of this permit.

(1) Containment - All hazardous substances (see condition D.3, Definitions) must be stored within berms or other secondary containment devices to prevent leaks and spills from contaminating stormwater. 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 stormwater 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 stormwater. All waste contained in bins or dumpsters where there is a potential for drainage of stormwater through the waste must be covered to prevent exposure of stormwater 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, vegetated filter strips, bioswales, or other permanent erosion or sediment controls must be employed to minimize sediment loads in stormwater discharges. For activities that involve land disturbance, the permit registrant 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 stormwater discharges.

(6) Stormwater Diversion - Stormwater must be diverted away from fueling, manufacturing, treatment, storage, and disposal areas to prevent exposure of uncontaminated stormwater to potential pollutants.

(7) Covering Activities – Fixed fueling, manufacturing, treatment, storage, and disposal areas must be covered to prevent exposure of stormwater 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 stormwater must be kept clean. Sweeping, litter pick-up, prompt clean up of spills and leaks, and proper maintenance of vehicles must be employed to eliminate or minimize exposure of stormwater to pollutants.

ii) *Spill Prevention and Response Procedure* - Permit registrant must include in the SWPCP methods to prevent spills along with clean-up and notification procedures. These methods and procedures must be made available to appropriate personnel. The required clean-up material must be on-site or readily available and the location of materials must either be shown on the site drawings or indicated in the text of the SWPCP. Spills prevention plans required by other regulations may be substituted for this provision providing that stormwater management concerns are adequately addressed.

iii) *Preventative Maintenance* - Permit registrant must include in the SWPCP a preventative maintenance program to ensure the effective operation of all stormwater 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 stormwater runoff.

(2) Monthly inspections of stormwater control measures, structures, catch basins, and treatment facilities.

(3) Cleaning, maintenance or repair of all materials handling and storage areas and all stormwater 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* - Permit registrant must develop and maintain an employee orientation and education program 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 education and training must occur within 30 calendar days of hiring an employee who works in areas where stormwater is exposed to industrial activities or conducts duties related to the implementation of the SWPCP, and annually thereafter.

d) **Record Keeping and Internal Reporting Procedures** - Permit registrant must record and maintain at the facility the following information, which does not need to be submitted to the department, agent or other government agencies, unless it is requested.

i) Inspection, maintenance, repair and education activities as required by the SWPCP.

ii) Spills or leaks of significant materials (See condition D.3, Definitions) that impacted or had the potential to impact stormwater 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

4. **Non-Stormwater Discharges**
   a) The following non-stormwater discharges are authorized by this permit:
      i) Discharges from fire-fighting activities.
      ii) Fire hydrant flushings.
      iii) Potable water, including water line flushings.
      iv) Uncontaminated air conditioning condensate.
      v) Irrigation drainage.
      vi) Landscape watering, provided that all pesticides, herbicides, and fertilizer have been applied in accordance with manufacturer's instructions.
      vii) Pavement wash waters where no detergents or hot water are used, no spills or leaks of toxic or hazardous materials have occurred (unless all spilled material has been removed), and surfaces are swept before washing.
      viii) Routine external building washdown that does not use detergents or hot water.
      ix) Uncontaminated ground water or spring water.
      x) Foundation or footing drains where flows are not contaminated with process materials.
      xi) Incidental windblown mist from cooling towers that collects on rooftops or adjacent portions of the facility, but not intentional discharges from the cooling tower (e.g., "piped" cooling tower blowdown or drains).
   b) Piping and drainage systems for interior floor drains and process wastewater discharge points must be separated from the storm drainage system to prevent inadvertent discharge of pollutants to waters of the state. Discharge from floor drains to the stormwater drainage system is a violation of this permit.
   c) Any other wastewater discharge or disposal, including stormwater mixed with wastewater, must be permitted in a separate permit, unless 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 Standards**
   a) The permit registrant must not cause a violation of instream water quality standards as established in OAR 340-041.
   b) If the permit registrant develops, implements, and revises its SWPCP in compliance with Schedule A of this permit, the department presumes that the discharges authorized by this permit will comply with instream water quality standards unless the department obtains evidence to the contrary. Coincident samples of the discharge and at upstream and downstream locations in the receiving waterbody must be collected to establish a violation of an instream water quality standard is caused by the discharge.
   c) In instances where the department determines that the permit registrant's stormwater discharges are not complying with instream water quality standards, the department may take enforcement action for violations of the permit and will require the permit registrant to do one or more of the following:
      i) Develop and implement an Action Plan that describes additional effective BMPs to address the parameters of concern and their locations at the site;
      ii) Submit valid and verifiable data and information that are representative of ambient conditions and indicate that the receiving water is meeting water quality standards; or
      iii) Curtail stormwater pollutant discharges to the extent possible and submit an individual permit application.

6. **Discharges to Impaired Waterbodies** - If a Total Maximum Daily Load (TMDL) Order (see condition D.3, Definitions) is established and the discharge from a permitted source is assigned a

waste load allocation or is required to meet other conditions in the TMDL Order, then an application for an individual or different general permit or other appropriate tools may be required to address the allocation or other requirements.

CODE OF FEDERAL REGULATION STORMWATER DISCHARGE LIMITATIONS

7. **Effluent Limitations** - The permit registrant with the following activities must comply with the applicable limitations:

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	15 mg/l, Daily Maximum	10 mg/l, 30 Day Average
		pH	6.0 - 9.0 SU	

STORMWATER DISCHARGE BENCHMARKS

8. **Benchmarks** - Benchmarks are guideline concentrations, not limitations. They are designed to assist the permit registrant in determining whether their SWPCP is effectively reducing pollutant concentrations in stormwater discharged from the site. For facilities that are subject to federal limitations, benchmarks apply to only those pollutants that are not limited by the federal regulations. See condition A.7 for a list of facilities subject to federal limitations.

The following benchmarks apply to each point source discharge of stormwater associated with industrial activity:

Parameter	Benchmark	BM 1300-J	L 1300-J
Total Copper	0.1 mg/l	0.1 mg/L	–
Total Lead	0.4 mg/l	0.4 mg/L	–
Total Zinc	0.6 mg/l	0.6 "	–
pH*	5.5 – 9.0 SU	–	6 - 9
Total Suspended Solids*	130 mg/l	130 mg/L	
Total Oil & Grease*	10 mg/l	–	10 mg/l
E. coli**	406 counts/100 ml NA	NA	NA
Floating Solids (associated with industrial activities)	No Visible Discharge	NO VIS. DISCHARGE	–
Oil & Grease Sheen	No Visible Sheen	–	No Sheen

* See condition A.7 for list of facilities subject to federal limitations.

**The benchmark for E. coli applies only to landfills, if septage and sewage biosolids are disposed at the site, and sewage treatment plants.

9. **Response to a Benchmark Exceedance**
   a) 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 elevated pollutant levels, review the SWPCP and submit an Action Plan for department or agent approval.
   b) The purpose of this review is to determine if:
      i) The SWPCP is being followed;
      ii) There are alternative methods for implementing the existing site controls identified in the SWPCP;
      iii) The benchmark exceedance resulted from background or natural conditions not associated with industrial activities at the site; and
      iv) Additional effective site controls are needed to address the parameters of concern.
   c) The Action Plan must contain the following, unless condition A.9.d applies:
      i) The results of the review;
      ii) The corrective actions the permit registrant will take to address the benchmark exceedance; and
      iii) An implementation schedule including alternative methods for implementing existing site controls or methods for implementing additional effective site controls, if the site controls have not already been implemented.
   d) If the permit registrant believes that the benchmark exceedance resulted from natural or

background conditions, the Action Plan must propose a sampling plan and methodology for demonstrating that the elevated pollutant levels are due to background or natural conditions.

e) If the department or agent does not comment on the Action Plan within 10 business days of its receipt, it is deemed approved. The department or agent's approval of the Action Plan does not constitute compliance with this permit.

f) Upon approval, the permit registrant must implement the corrective actions identified in the Action Plan within 60 calendar days, unless otherwise approved by the department or agent.

g) If the department or agent affirms the assertion that background or natural conditions contributed to the benchmark exceedance, the permit registrant is not required to make this demonstration again during the term of this permit.

10. **Benchmark Compliance Evaluation**

a) By June 30th of the 4th year of permit coverage, the permit registrant must evaluate the last four samples collected from each outfall monitored and determine whether the geometric mean of the samples exceeds benchmark(s). This condition is not applicable to a permit registrant with a monitoring waiver as described in condition B.3.

b) The permit registrant must report this information in a Discharge Monitoring Report (DMR) and submit the DMR to the department or agent by July 31st of the 4th year of permit coverage as described in condition B.4.a.

c) If the geometric mean of the samples exceeds benchmark(s), the department will revoke the permit registrant's coverage under this permit and will require the permit registrant to apply for an individual permit pursuant to OAR 340-045-0033(10) and OAR 340-045-0060.

NEW

SCHEDULE B
MONITORING AND REPORTING REQUIREMENTS

1. **Minimum Monitoring Requirements** - All permit registrants must monitor stormwater associated with industrial activity for the following:

GRAB SAMPLES OF STORMWATER*	
Parameter	**Frequency****
Total Copper	Four times per Year
Total Lead	Four times per Year
Total Zinc	Four times per Year
pH	Four times per Year
Total Suspended Solids	Four times per Year
Total Oil & Grease	Four times per Year
E. coli***	Four times per Year

1200-D
Twice per year
"
"
"
"
Twice monthly
NA

* For each outfall monitored, the permit registrant may collect a single grab sample or a series of equal volume grab samples. Samples must be collected from the same storm event.

** The permit registrant is allowed to collect more samples than the minimum frequency requires and must report this data.

***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 STORMWATER	
Parameter	**Frequency**
Floating Solids (associated with industrial activities)	Once per Month (when discharging)
Oil & Grease Sheen	Once per Month (when discharging)

once per month
once per month

2. **Grab Sampling and Visual Monitoring Procedures and Locations** - The following requirements apply to monitoring conducted in compliance with condition B.1 above.

   a) **Grab Sampling and Visual Monitoring Methodology** - The monitoring period is from July 1 to June 30th. Grab samples must be representative of the discharge and must be taken at least 14 calendar days apart. Two samples must be collected before December 31, and two samples must be collected after January 1. Time or flow-weighted compositing of samples may be used as an alternative to grab samples, except when monitoring for pH, oil and grease, and E. coli. Visual monitoring must occur at outfall(s) or discharge point(s) identified in the SWPCP as outfall(s) or point(s) where stormwater monitoring will occur.

   b) **Multiple Point Source Discharges** - Each stormwater outfall must be monitored unless:
      i) The outfall serves an area with no exposure of stormwater to industrial activities; or
      ii) The outfall has effluent that is substantially similar to the effluent(s) of a monitored outfall and the same BMPs are implemented and maintained at the similar outfalls or drainage areas that lead to the outfalls. Substantially similar effluent(s) are discharges from drainage areas serving comparable activities where the discharges are expected to be similar in composition. The determination of substantial similarity or effluent(s) must be based on past monitoring or an analysis of industrial activities and site

characteristics. The data or analysis supporting that the outfalls are representative must be included in the SWPCP as described in A.3.b.vii.

iii) If sampling points are modified, permit registrants must notify the department or agent and submit an Action Plan as described in condition A.2.c.

c) **Monitoring Location** - All samples must be taken at monitoring points specified in the SWPCP before the stormwater joins or is diluted by any other wastestream, body of water or substance, unless otherwise approved in writing by the department.

d) **Sampling Variance**

i) Permit registrants may request a sampling variance for missed samples if one of the following criteria is met:

a) State or federal authorities declared the year a drought year.

b) Demonstrate that rainfall in the area where the permit registrant's facility is located was 20% or more below the three-year average rainfall for that area.

c) Demonstrate to the department or agent's satisfaction that samples were unable to be collected due to the infrequency of storm events of sufficient magnitude to produce run-off. Supporting data and analysis must be submitted to the department or agent.

ii) Permit registrants must submit to the department or agent a written request for a sampling variance by July 31st of the monitoring year in which the missed sampling occurred.

3. **Monitoring Waiver**

a) **Visual Observations** - There is no reduction allowed of the required visual observations.

b) **Grab Samples** - If at least four consecutive sampling results meet the benchmarks specified in condition A.8, the permit registrant is not required to collect grab samples for the remainder of the permit term. Where the permit registrant demonstrates to the department or agent's satisfaction that a benchmark exceedance resulted from background or natural conditions as described in condition A.9, the department or agent will consider these samples as meeting the benchmark(s) for the purposes of granting a monitoring waiver. There is no reduction in monitoring allowed for facilities subject to CFR limitations as described in condition A.7.

i) Results from sampling events cannot be averaged to meet the benchmarks.

ii) Monitoring waivers may be allowed for individual parameters.

iii) The permit registrant must submit to the department or agent a request to exercise the monitoring waiver that includes the analytical results from the four sampling events. If the department or agent does not comment within 30 calendar days, the monitoring waiver is deemed approved.

c) **Revocation of Monitoring Waiver**

i) The permit registrant must conduct monitoring as specified in condition B.1 if:

a) The department or agent determines that prior monitoring efforts used to establish the monitoring waiver were improper or sampling results were incorrect;

b) The department, agent or permit registrant determines that changes to site conditions are likely to affect stormwater discharge characteristics, or

c) The department, agent or permit registrant conducts additional monitoring and the sampling results exceed benchmark(s).

ii) The department or agent will notify the permit registrant in writing if the monitoring waiver is revoked.

4. **Monitoring Reporting Requirements** - The permit registrant must submit the following to the appropriate DEQ regional office or agent:

   a) **Monitoring Data** - The permit registrant must submit by July 31st of each year grab sampling and visual monitoring results for the previous monitoring period (July 1- June 30). The permit registrant must also report the minimum detection levels and analytical methods for the parameters analyzed. Non-detections must be reported as "ND" with the detection limit in mg/L parentheses, e.g., ND (0.005 mg/L). In calculating the geometric mean as described in condition A.10, one-half of the detection limits must be used for non-detections.

   b) **Report Forms** - The permit registrant must use a department-approved Discharge Monitoring Report (DMR) form for both visual and analytical monitoring results.

SCHEDULE C
COMPLIANCE CONDITIONS AND SCHEDULES

1. **An Existing Permit Registrant** that is either renewing or transferring coverage under the permit where there are no changes to operation or industrial type (for a facility operating under an NPDES stormwater discharge permit prior to July 1, 2007):

   a) Not later than 90 calendar days after renewing or transferring coverage under the permit, permit registrant must implement new site controls identified in the SWPCP to meet new permit requirements.

   b) Site controls that are developed to meet new permit requirements that require capital improvements (see Schedule D.3, Definitions) must be completed in accordance with the schedule set forth in the SWPCP, but must be completed within two years of renewing or transferring coverage under this permit.

2. **A New Permit Registrant with an Existing Facility** (for a facility operating before July 1, 2007, without an NPDES stormwater discharge permit):

   a) Not later than 90 calendar days after obtaining permit coverage, the permit registrant must implement site controls identified in the SWPCP to meet the new permit requirements.

   b) Site controls that are developed to meet new permit requirements that require capital improvements (see Schedule D.3, Definitions) must be completed in accordance with the schedule set forth in the SWPCP, but must be completed within two years of obtaining permit coverage.

3. **A New Permit Registrant with a New Facility** (for a facility beginning operation after July 1, 2007 without an NPDES stormwater discharge permit):

   a) A permit registrant must begin implementation of the SWPCP before starting operations. Not later than 90 calendar days after obtaining permit coverage, the permit registrant must fully implement site controls identified in the SWPCP.

   b) Site controls that require capital improvements (see Schedule D.3, Definitions), must be completed in accordance with the schedule set forth in the SWPCP, but must be completed within two years of obtaining permit coverage.

4. **A New Permit Registrant Discharging to Clackamas River, McKenzie River above Hayden Bridge (River Mile 15) or North Santiam River** (For potential or existing dischargers that did not have a permit prior to January 28, 1994, and existing dischargers that have a NPDES stormwater discharge permit but request an increased load limitation.)

   a) Not later than 180 calendar days after obtaining permit coverage, permit registrant 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.

   b) Within 30 calendar days of department approval, the permit registrant must implement the monitoring and water quality evaluation program.

SCHEDULE D
SPECIAL CONDITIONS

1. **Releases in Excess of Reportable Quantities.** This permit does not relieve the permit registrant 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 Stormwater Pollution Control Plan (SWPCP) or stormwater monitoring data must be made available to government agencies responsible for stormwater management in the permit registrant's area.

3. **Definitions**

   a) *Action Plan* means an addendum to the SWPCP developed in response to modification to the SWPCP or in response to a benchmark exceedance.

   b) *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 stormwater to treatment systems.
      iv) Roofs and appropriate covers for manufacturing areas.

   c) *Hazardous Substances* as defined in 40 CFR §302 Designation, Reportable Quantities, and Notification.

   d) *Material Handling Activities* include the storage, loading and unloading, transportation or conveyance of raw material, intermediate product, finished product, by-product or waste product.

   e) *Point Source Discharge* means a discharge from any discernible, confined, and discrete conveyance, including but not limited to, any pipe, ditch, channel, tunnel, or conduit.

   f) *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 stormwater discharges.

   g) *Site Controls* is analogous to Best Management Practices.

   h) *Stormwater Associated With Industrial Activity* includes, but is not limited to, stormwater discharges from the following:
      - Industrial plant yards

- Immediate access roads and rail lines used or traveled by carriers of raw materials, manufactured products, waste material, or by-products used or created by the facility
- Material handling sites (Material handling activities include the storage, loading and unloading, transportation or conveyance of raw material, intermediate product, finished product, by-product or waste product.)
- Refuse sites
- Sites used for the application or disposal of process waste waters (as defined in 40 CFR § 401)
- Sites used for storage or maintenance of material handling equipment
- Sites used for residual treatment, storage, or disposal; shipping and receiving areas
- Manufacturing buildings
- Storage areas (including tank farms) for raw materials, and intermediate and finished products
- Areas where industrial activity has taken place in the past and significant materials remain and are exposed to stormwater. 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 stormwater discharges.

i) *Stormwater Conveyance* means a sewer, ditch, or swale that is designed to carry stormwater; a stormwater conveyance may also be referred to as a storm drain or storm sewer.

j) *Total Maximum Daily Load (TMDL)* is the sum of the individual Waste Load Allocations (WLAs) for point sources and Load Allocations (LAs) for nonpoint sources and background. If a receiving water body has only one point source discharger, the TMDL is the sum of that point source WLA plus the LAs for any nonpoint sources of pollution and natural background sources, tributaries, or adjacent segments. TMDLs can be expressed in terms of either mass per time, toxicity, or other appropriate measure.

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 if they entered into a Memorandum of Agreement (MOA). The agent may be authorized to conduct the following activities, including but not limited to: application review and approval, inspections, monitoring data review, stormwater 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 must notify the permit registrant of where to submit no-exposure certifications, and other notifications or correspondence associated with this permit. Annual discharge monitoring reports, including analytical monitoring data and visual monitoring results, SWPCPs and Actions Plans must be submitted to both the department and the agent.

SCHEDULE F
NPDES GENERAL CONDITIONS – INDUSTRIAL FACILITIES

SECTION A. STANDARD CONDITIONS

1. Duty to Comply
The permit registrant must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of Oregon Revised Statutes (ORS) 468B.025 and 40 CFR 122.41(a) and is grounds for enforcement action; for permit termination, revocation, reissuance, or modification; or for denial of a permit renewal application.

2. Penalties for Water Pollution and Permit Condition Violations
ORS 468.140 allows the department to impose civil penalties up to $10,000 per day for violation of a term, condition, or requirement of a permit. Additionally, 40 CFR 122.41, modified by 40 CFR 19.4, provides that any person who violates any permit condition, term, or requirement may be subject to a federal civil penalty not to exceed $32,500 per day of each violation.

Under ORS 468.943 and 40 CFR 122.41, modified by 40 CFR 19.4, unlawful water pollution, if committed by a person with criminal negligence, is punishable by a fine of up to $32,500 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. Additionally, under 40 CFR §122.41(a) any 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 federal civil penalty not to exceed $100,000, and up to 6 years in prison.

3. Duty to Mitigate
The permit registrant 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 permit registrant 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 non-complying discharge.

4. Duty to Reapply
If the permit registrant wishes to continue an activity regulated by this permit after the expiration date of this permit, the permit registrant 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;
c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge;
d. The permit registrant is identified as a Designated Management Agency or allocated a wasteload under a Total Maximum Daily Load (TMDL);
e. New information or regulations;
f. Modification of compliance schedules;
g. Requirements of permit re-opener conditions;
h. Correction of technical mistakes made in determining permit conditions;
i. Determination that the permitted activity endangers human health or the environment, or
j. Other causes as specified in 40 CFR §§122.62, 122.64, and 124.5.

The filing of a request by the permit registrant for a permit modification or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

6. Toxic Pollutants
The permit registrant 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 permit registrant 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 permit registrant 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 permit registrant 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 permit registrant 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 permit registrant 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 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 permit registrant 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 permit registrant 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 permit registrant 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 permit registrant. 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 permit registrant 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 permit registrant can identify the causes(s) of the upset;
      (2) The permitted facility was at the time being properly operated;
      (3) The permit registrant submitted notice of the upset as required in General Condition D.5, hereof (24-hour notice); and
      (4) The permit registrant complied with any remedial measures required under General Condition A.3 hereof.

   d. Burden of proof. In any enforcement proceeding the permit registrant 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 permit registrant 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 permit registrant 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 Permit registrant
If the permit registrant 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 permit registrant'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 permit registrant 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 permit registrant must allow the Director, or an authorized representative upon the presentation of credentials to:
a. Enter upon the permit registrant'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 permit registrant 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 permit registrant 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 permit registrant 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 permit registrant 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 permit registrant 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 permit registrant 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 permit registrant 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 permit registrant becomes aware of the circumstances. If the permit registrant 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 permit registrant 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 permit registrant must furnish to the Department, within a reasonable time, any information which the Department may request to determine compliance with this permit. The permit registrant must also furnish to the Department, upon request, copies of records required to be kept by this permit.

Other Information: When the permit registrant 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.

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.

MITTEE NAME/ADDRESS (Include ...lity Name, Location, if different)
ME Unocal
DRESS 5528 N. W. Doane Ave.
Portland, OR 97210

CILITY Portland Terminal
CATION Multnomah County

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

Form Approved
OMB No. 2040-0004
Expires 3-31-88

(2-16)	(17-19)
OR-200-138-4	001
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

FROM YEAR	MO	DAY	TO YEAR	MO	DAY
92	06	01	92	06	30
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

Department of Enviromental Quality
Northwest Regional Office
Crown Plaza Building
1500 S.W. 1st, Suite 750
Portland, Oregon 97201-5884

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)
FLOW	SAMPLE MEASUREMENT	~~0~~ *							~~0~~	Daily	Est
	PERMIT REQUIREMENT	Esimiate		Gal/Day						Daily	Est
pH	SAMPLE MEASUREMENT				* N/A	N/A	N/A		~~0~~	Daily	Grab
	PERMIT REQUIREMENT				6.0		9.0	pH		Daily	Grab
OIL & GREASE	SAMPLE MEASUREMENT				* N/A	N/A	N/A		~~0~~	1/7	8 hr
	PERMIT REQUIREMENT					10.0	15.0	mg/l		1/7	8 hr
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

ME/TITLE PRINCIPAL EXECUTIVE OFFICER

N Badger/Terminal Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

J N Badger
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	248-1530	92	7	10
AREA CODE	NUMBER	YEAR	MO	DAY

IMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
* NO FLOW, NO PH, NO OIL OR GREASE FOR JUNE '92

Form 3320-1 (Rev. 10-79) PREVIOUS EDITION TO BE USED UNTIL SUPPLY IS EXHAUSTED. (REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

PAGE OF

COPPOR00002128

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME: Unocal

ADDRESS: 5528 N. W. Doane Ave.
Portland, OR 97210

FACILITY: Portland Terminal

LOCATION: Multnomah County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0004
Expires 3-31-88

PERMIT NUMBER (2-16): OR-200-138-4

DISCHARGE NUMBER (17-19): 002

Department of Enviromental Quality
Northwest Regional Office
Crown Plaza Building
1500 S.W. 1st, Suite 750
Portland, Oregon 97201-5884

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	92	06	01	TO	92	06	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

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)
FLOW	SAMPLE MEASUREMENT	.5							0	Daily	Est
	PERMIT REQUIREMENT	Esimiate		Gal/Day						Daily	Est
pH	SAMPLE MEASUREMENT				* 6.23	6.23	6.23		0	Daily	Grab
	PERMIT REQUIREMENT				6.0		9.0	pH		Daily	Grab
OIL & GREASE	SAMPLE MEASUREMENT				* 5.1	5.1	5.1		0	1/7	8 hr
	PERMIT REQUIREMENT					10.0	15.0	mg/l		1/7	8 hr
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER: N Badger/Terminal Manager (TYPED OR PRINTED)

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 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: J N Badger

TELEPHONE: AREA CODE 503, NUMBER 248-1530

DATE: YEAR 92, MO 7, DAY 10

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

* ONLY FLOW FOR ONE DAY, OF SHORT DURATION. ONE SAMPLE - ONE RESULT

Form 3320-1 (Rev. 10-79) PREVIOUS EDITION TO BE USED UNTIL SUPPLY IS EXHAUSTED. (REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

PAGE OF

COPPOR00002129

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME: Unocal

ADDRESS: 5528 N. W. Doane Ave.
Portland, OR 97210

FACILITY: Portland Terminal

LOCATION: Multnomah County

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

Form Approved
OMB No. 2040-0004
Expires 3-31-88

(2-16) PERMIT NUMBER: 400-012

(17-19) DISCHARGE NUMBER: 003

CITY OF PORTLAND
INDUSTRIAL WASTEWATER DISCHARGE
1120 S. W. Fifth Ave.
Portland, OR 97204-1972

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	92	06	01	TO	92	06	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
FLOW	SAMPLE MEASUREMENT	24							0	Daily	Est.
	PERMIT REQUIREMENT	Estimate		Gal/Day						Daily	Est.
OIL & GREASE	SAMPLE MEASUREMENT				2.7	22.8	35.5		0	3x wk	Grab
	PERMIT REQUIREMENT						100	mg/l		3x wk	Grab
pH	SAMPLE MEASUREMENT				6.9	7.2	8.5		0	3x wk	Grab
	PERMIT REQUIREMENT				5.5		10.0	pH		3x wk	Grab
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

JN Badger/Terminal Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 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: JN Badger

TELEPHONE: AREA CODE 503 NUMBER 248-1530

DATE: YEAR 92 MO 7 DAY 10

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

EPA Form 3320-1 (Rev. 10-78) PREVIOUS EDITION TO BE USED

COPPOR00002130

COMMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME Unocal
ADDRESS 5528 N. W. Doane Ave.
Portland, OR 97210
FACILITY Portland Terminal
LOCATION Multnomah County

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

Form Approved
OMB No. 2040-0004
Expires 3-31-88

(2-16) PERMIT NUMBER: OR-200-138-4
(17-19) DISCHARGE NUMBER: 004

Department of Enviromental Quality
Northwest Regional Office
Crown Plaza Building
1500 S.W. 1st, Suite 750
Portland, Oregon 97201-5884

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	92	06	01	TO	92	06	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

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)
FLOW	SAMPLE MEASUREMENT	.5							⊖	Daily	Est
	PERMIT REQUIREMENT	Esimiate		Gal/Day						Daily	Est
pH	SAMPLE MEASUREMENT				* 6.6	6.6	6.6		⊖	Daily	Grab
	PERMIT REQUIREMENT				6.0		9.0	pH		Daily	Grab
OIL & GREASE	SAMPLE MEASUREMENT				* 4.7	4.7	4.7		⊖	1/7	8 hr
	PERMIT REQUIREMENT					10.0	15.0	mg/l		1/7	8 hr
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
JN Badger/Terminal Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 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 503 NUMBER 248-1530

DATE: YEAR 92 MO 7 DAY 10

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
* ONLY FLOW ON ONE DAY, OF SHORT DURATION. ONE SAMPLE. ONE RESULT.

EPA Form 3320-1 (Rev. 10-79) PREVIOUS EDITION TO BE USED UNTIL SUPPLY IS EXHAUSTED. (REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

PAGE OF

COPPOR00002131

Tosco - Fecal

COPY

Permit Number: 100910
Expiration Date: 5/31/97
File Number: 90845
Page 1 of 5 Pages

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

WASTE DISCHARGE PERMIT
Department of Environmental Quality
811 Southwest Sixth Avenue, Portland, OR 97204
Telephone: (503) 229-5696

Issued pursuant to ORS 468.740 and The Federal Clean Water Act

---

~~ISSUED TO:~~
TRANSFERRED 3/31/97
~~Union Oil Company of California~~
~~dba UNOCAL~~
~~PO Box 76~~
~~Portland OR 97283~~
TOSCO CORPORATION
5528 NW DOANE AV
PORTLAND OR 97210

SOURCES COVERED BY THIS PERMIT:

Type of Waste	Outfall Number	Outfall Location
Oil Contaminated Water	001	Kittridge Storm Sewer, TF3, RM 8.5
	002	Doane St. Storm Sewer, TF1, RM 7.9
	004	Doane St. Storm Sewer, TF2, RM 7.9

PLANT TYPE AND LOCATION:

Oil Terminal
5528 N.W. Doane Ave.
Portland, Oregon 97210

RECEIVING STREAM INFORMATION:

Basin: Willamette
Sub-Basin: Lower Willamette
Stream: Willamette River
Hydro Code: 22--WILL 8.5D
22--WILL 7.9D
County: Multnomah

EPA REFERENCE NUMBER: OR-000138-4

Issued in response to Application No. 998709 received 5/10/89.

MAY 28 1992

Charles K. Ashbaker, Manager
Water Quality, Northwest Region

Date

PERMITTED ACTIVITIES

Until this permit expires or is modified or revoked, the permittee is authorized to construct, install, modify or operate a waste water collection, treatment, control and disposal system and discharge to public waters adequately treated waste waters only from the authorized discharge point or points established in Schedule A and only in conformance with all the requirements, limitations, and conditions set forth in the attached schedules as follows:

	Page
Schedule A - Waste Discharge Limitations not to be Exceeded..	3
Schedule B - Minimum Monitoring and Reporting Requirements...	4
Schedule C - Compliance Conditions and Schedules.....	5
Schedule D - Special Conditions.....	6
General Conditions.....	Attached

Each other direct and indirect waste discharge to public waters is prohibited.

This permit does not relieve the permittee from responsibility for compliance with any other applicable federal, state, or local law, rule, standard, ordinance, order, judgment, or decree.

SCHEDULE B

Minimum Monitoring and Reporting Requirements (unless otherwise appro
writing by the Department)

Outfall Number 001, 002 and 004

Item or Parameter	Minimum Frequency	Type of Sample
Oil and Grease	One (1) Sample per Week	Composite *
Flow	Daily	Estimate

* The composite sample shall consist of three representative grab sa
taken at equal intervals over an 8-hour period.

Reporting Procedures

Monitoring results shall be reported on approved forms. The reporting
the calendar month. Reports must be submitted to the Department by the
of the following month.

SCHEDULE D

Special Conditions

1. Sanitary wastes shall be disposed of to the Portland municipal sew system.

2. An adequate contingency plan for prevention and handling of spills unplanned discharges shall be in force at all times. A continuing of employee orientation and education shall be maintained to ensur awareness of the necessity of good inplant control and quick and p action in the event of a spill or accident.

3. An environmental supervisor shall be designated to coordinate and all necessary functions related to maintenance and operation of wa collection, treatment, and disposal facilities. This person must access to all information pertaining to the generation of wastes i various process areas.

P90845W (5-4-92)

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) 468.720 and is grounds for enforcement action; for permit termination; suspension, or modification; or for denial of a permit renewal application.

2. Penalties for Violations of Permit Conditions

Oregon Law (ORS 468.990) classifies a willful or negligent violation of the terms of a permit or failure to get a permit as a misdemeanor and a person convicted thereof shall be punishable by a fine of no more than $25,000 or by imprisonment for not more than one year, or by both. Each day of violation constitutes a separate offense.

In addition to the criminal penalties specified above, Oregon Law (ORS 468.140) also allows the Director to impose civil penalties up to $10,000 per day for violation of the terms or conditions of a permit.

3. Duty to Mitigate

The permittee shall take all reasonable steps to minimize or 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 for and have the permit renewed. The application should 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, or terminated for cause including, but not limited to, the following:

a. Violation of any terms or conditions of this permit, rule, or statute;

b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or

COPPOR00002135

3. Bypass of Treatment Facilities

a. Definitions

(1) "Bypass" means diversion of waste streams from any portion of the conveyance system or treatment facility.

(2) "Severe property damage" means substantial physical damage to property, damage to the treatment facilities 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 and the Director may take enforcement action against a permittee for bypass, unless:

(a) Bypass was unavoidable 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 pumping, conveyance, or treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if the permittee could have installed adequate backup equipment 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 paragraph c of this section.

(2) The Director may approve an anticipated bypass, after considering its adverse effects, when the Director determines that it will meet the three conditions listed above in paragraph b(1) of this section.

c. Notice and request for bypass.

(1) Anticipated bypass. If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible at least ten days before the date of the bypass.

(2) Unanticipated bypass. The permittee shall submit notice of an unanticipated bypass as required in Section D, Paragraph D-5 (24-hour notice).

COPPOR00002136

5. Reporting of Monitoring Results

Monitoring results shall be summarized each month on a Discharge Monitoring Report form approved by the Department. The reports shall be submitted monthly and are to be postmarked by the 14th 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 shall be included in the calculation and reporting of the data submitted in the DMR. Such increased frequency shall also be indicated.

7. Averaging of Measurements

Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean, except for coliform and fecal coliform bacteria which shall be averaged based on a geometric or log mean.

8. Retention of Records

The permittee shall 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, or report of application. This period may be extended by request of the Director at any time.

9. Records Contents

Records of monitoring information shall 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.

COPPOR00002137

5. Twenty-Four Hour Reporting

The permittee shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally (by telephone) within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances. The written submission shall 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.

The Department may waive the written report on a case-by-case basis if the oral report has been received within 24 hours.

The following shall be included as information which must be reported within 24 hours:

a. Any unanticipated bypass which exceeds any effluent limitation in the permit.

b. Any upset which exceeds any effluent limitation in the permit.

6. Other Noncomoliance

The permittee shall report all instances of noncompliance not reported under Section D, Paragraphs D-4 and D-5, at the time monitoring reports are submitted. The reports shall contain the information listed in Paragraph D-5.

7. Duty to Provide Information

The permittee shall furnish to the Department, within a reasonable time, any information which the Department may request to determine compliance with this permit. The permittee shall 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 shall promptly submit such facts or information.

8. Signatory Requirements

All applications, reports or information submitted to the Department shall be signed and certified in accordance with 40 CFR 122.22.

COPPOR00002138

DEPARTMENT OF ENVIRONMENTAL QUALITY

DEQ USE ONLY

Permit Number_____
Date Received_____

Amount Received_____
Check Number_____

TERMINAL / DISTRIBUTOR INDIRECT SOURCE GASOLINE MARKETING PERMIT APPLICATION

Type of Application: New ☐ Renewal ☒ Mod ☐

1. Applicant	2. Facility Name & Location
Business Name: ConocoPhillips	Facility Name: ConocoPhillips
Mailing Address: 5528 N W Doane Ave	Street Address: 5528 N W Doane Ave
City, State, Zip Code: Portland, OR 97210	City, State, Zip code: Portland, OR 97210
Area Code and Telephone Number: 503-248-1538	Area Code and Telephone Number: 503-248-1538

3. Facility Mailing Address	4. Applicant Contact
Mailing Address: 5528 N W Doane Ave	Name and Title: Carrie Wildin, Terminal Supervisor
City, State, Zip Code: Portland, OR 97210	Area Code and Phone Number: 503-248-1538

Permit Type: In applying for the following type of operating permit, *indicate with an X in the appropriate boxes only those that apply to your facility. Please submit your completed application and fee to:* ***DEQ Business Office, 811 SW 6th Avenue, Portland, Oregon, 97204 by October 1, 2006.***

☒ Terminal Permit ($2500.00) ☐ Distributor Permit ($250.00)

Pursuant to ORS 468A.420 and in accordance with the requirements of OAR 340-258-0190, applicant is herewith applying to market gasoline from the above indicated location during control periods as defined by OAR 340-258-0110(2) for use in motor vehicles in the control areas indicated below.

Area: (Mark appropriate box) ☒ area 6 (Portland CMSA)

Owner of Gasoline: (Please Print Name Here) Carrie Wildin

Signature of Owner of Gasoline: Carrie A Wildin **Date:** 9/15/06

The above signed attests that the information reported above is correct and accurately reflects the Owner of Gasoline, facility information, and Terminal / Distributor status. The Owner of Gasoline in signing this application agrees to comply with all applicable statutes, rules, and permit conditions, as outlined in the permit issued to the Terminal or Distributor listed above.

000026 234935

1

This check was issued by ConocoPhillips Company

DATE	INVOICE(DESCRIPT)	CO	DOCUMENT NO.	GROSS	DISCOUNT	NET
09/11/06		G9	1200012400 USD	2,500.00	0.00	2,500.00
Terminal Permit						

PAYEE NUMBER	CHECK DATE	CHECK NO	CHECK AMOUNT
129670	09/14/2006	00445973	2500.00

If you have questions about this check, call (918)661-5746
or logon to https://vis.conocophillips.com.

17-15750 N, 11-05

THIS IS WATERMARKED PAPER - DO NOT ACCEPT WITHOUT NOTING WATERMARK - HOLD TO LIGHT TO VERIFY WATERMARK

Deutsche Bank Trust Company Delaware

ConocoPhillips Company
Houston, TX

62-38/311
Check No: 00445973

129670

09/14/2006 00445973 $*****2,500.00*

PAY TO THE ORDER OF

EXACTLY ****2500 US Dollars and 00 Cents**

STATE OF OREGON
811 SOUTHWEST 6TH AVENUE
PORTLAND, OR 97204-1305

Treasurer

⑈00445973⑈ ⑆031100380⑆ 00538062⑈

COPPOR00002140

Oregon
Theodore R. Kulongoski, Governor

Department of Environmental Quality
Northwest Region Portland Office
Air Quality Program
2020 SW 4th Avenue, Suite 400
Portland, OR 97201-4987
(503) 229-5554
FAX (503) 229-6945
TTY (503) 229-5471

September 8, 2006

CONOCOPHILLIPS CO - PORTLAND
5528 NW DOANE AVE
PORTLAND OR 97210

Regarding Gasoline Marketing at:
5528 NW DOANE AVE, PORTLAND OR

Dear Gasoline Marketer:

The Department of Environmental Quality is responsible for the implementation of Oregon Administrative Rules (OAR) 340-258-0100 through 340-258-0300 which detail responsibilities for those engaged in the delivery of motor vehicle gasoline during the carbon monoxide control period. The rules require that all Oxygenated Gas marketed in the Portland tri-county/Yamhill county areas originate from terminal permittees through distributor permittees. The control period is from November 1, 2006 through February 28, 2007.

Department records show you were permitted, as shown above, during a previous year. If you wish to be permitted this year, you must submit the required information on the enclosed application and return the completed document with the appropriate fee to the DEQ's business office in Portland no later than October 1, 2006. The permit fee is as follows:

Terminal permit fee: $2500.00

Please check and be sure that all your gasoline marketing serving Oregon control areas are permitted prior to marketing in Oregon control areas during the coming control period. If you have any questions regarding the program or you require assistance in determining your marketing status relative to program requirements, please contact me at (503) 229-6035.

Sincerely,

Johnny D. Baumgartner

Johnny D. Baumgartner
Air Quality Program
Northwest Region

Enclosure: Permit application

DEQ-1

CITY OF PORTLAND
ENVIRONMENTAL SERVICES
Water Pollution Control Laboratory
6543 N. Burlington Ave., Portland, Oregon 97203-5452
(503) 823-5600

31077

RETURN BY
JUN 5 2001
DATED MATERIALS

For Industrial Source Control Division Use Only
Date Postmarked/Received: Date Entered:
Entered By:
Comments:

INDUSTRIAL AND COMMERCIAL ENVIRONMENTAL SURVEY
Part I

1. Tosco Refining Company
(Company Name)

2. Portland Terminal
(Facility Name, if applicable)

3. 5528 NW Doane Avenue, Portland OR 97210
(Facility Address, Street) (City) (State) (Zip Code)

4. P. O. Box 76 Portland OR 97207
(Mailing Address, Street/PO Box) (City) (State) (Zip Code)

5. Provide the name of the person to contact on information contained in this questionnaire:

Mr. John Sherman — 503/248-1538
(Name) (Phone)

Terminal Superintendent — 503/248-1522
(Title) (Fax)

6. a) Enter applicable SIC code(s): 2992 5171

or Enter applicable NAICS code(s):

b) Enter the number of shifts daily: 2 Enter total number of employees ≈ 50

c) Circle the days of operation: Sun Mon Tue Wed Thur Fri Sat

d) Provide a brief description of manufacturing or service activities performed at this facility:

Petroleum products (gasoline, diesel, fuel oil, lube oil & greases) storage, blending, packaging and distribution

7. Is this facility connected to the City of Portland's sanitary sewer system? Yes [X] No [ ]

a) If No, are there plans to connect? Yes [ ] No [ ]

b) If Yes, indicate when (month/year): Uncertain; ≈ 25 years ago

8. Does this facility receive water or sewer billing statements from the City of Portland? Yes [X] No [ ]

a) If Yes, list the facility's account number(s). If there are *more than three*, list the three with the highest volume of water usage.

161677 161587 161860

b) If No, list the water source for this facility and the average daily usage, in gallons per day (gpd).

Water source: _____ Volume: _____

9. a) Do you use or store liquid chemicals in quantities of 25 gallons or more? Yes [X] No [ ]

b) Do you use or store dry chemicals in quantities of 500 pounds or more? Yes [ ] No [X]

c) Are you required to report under Oregon State Fire Marshall requirements? Yes [X] No [ ]

d) Do you use or store materials, chemicals, products, equipment, or waste materials in outside areas? Yes [ ] No [X]

10. Does your facility generate ***any*** process wastewater excluding domestic wastewater? Yes [X] No [ ]

a) If Yes, is this wastewater discharged to the Portland sanitary sewer system? Yes [X] No [ ]

b) If Yes, briefly describe the process wastewater. Process wastewater is discharged before discharge to sanitary sewer to oil water separator 003 & hyro-cleaner Volume Estimate: ≈ 6,500 (units) gal/day

11. a) Indicate which of the following drains to a storm sewer system:

Parking Lot run-off: [X] Floor Drains: [ ] Roof Drains: [X]

Other (specify): _____

b) If stormwater from this facility does not drain to a Portland sewer system, does the stormwater drain: Directly to a drainage-way [ ] To an on-site infiltration system [ ]

Other (specify): Areas not captured by storm/sanitary sewers infiltrates directly to ground(i.e. gravel covered areas)

12. Does stormwater come into contact with any material handling activities or equipment, raw materials, intermediate products, by-products, waste materials, or industrial machinery at this facility?

Yes [ ] No [X]

If Yes, briefly describe the activities: _____

13. Do you service any equipment or vehicles at this facility? Yes [x] No [ ]

If Yes: a) Is the servicing done by facility staff or by a contracted firm?

By facility staff [x] By contracted firm's staff [X]

b) Does the waste drain to: Portland sanitary sewer [X] Dry well [ ]

Storm sewer [ ] 100% Recycled [ ] Collected for off-site disposal [ ]

Other (specify): Drains to sanitary sewer after treatment (i.e., oil-water separator 003 and hydrocleaner)

14. Do you clean any equipment or vehicles at this facility? Yes [x] No [ ]

If Yes: a) Is the cleaning done by facility staff or by a contracted firm?

By facility staff [ ] By contracted firm's staff [x]

b) Does the wash water drain to: Portland sanitary sewer [x] Dry well [ ]

Storm sewer [ ] 100% Recycled [ ] Collected for off-site disposal [ ]

Other (specify): Drains to sanitary sewer after treatment (i.e., oil-water separator and hydrocleaner)

15. Does this facility have an oil/water separator or a grease trap on the discharge line? Yes [x] No [ ]

If Yes, does the oil/water separator or grease trap discharge to:

Portland sanitary sewer [x] Storm sewer [ ] Don't know [ ]

16. Do you discharge EPA Hazardous Waste? Yes [ ] No [x]

If Yes, complete the following:

HAZARDOUS WASTE INFORMATION QUESTIONNAIRE (use additional sheets if necessary)

Name of Waste:_____

EPA Hazardous Waste Number:_____

TYPE OF DISCHARGE

_____ Continuous _____ Batch _____ Other _____

If more than 100 kilograms of any hazardous waste per calendar month is discharged to the sewer, please include the following items of information for each Hazardous Waste, **to the extent such information is known and readily available.**

Hazardous Constituent Information:

Name of Constituent	Mass in Wastestream (this month)	Concentration in Wastestream (this month)	Mass in Wastestream (next 12 months)

17. 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 ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or 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. [40 CFR 403.6(a)(2)(ii)]

JOHN SHERMAN	TERMINAL SUPERINTENDENT
(Print name here)	(Title)
John Sherman	503 248-1538
(Signature)	(Phone)
May 31, 2001	
(Date)	

Photocopy the completed survey form for your records and return the original survey to:

Industrial Source Control Division
City of Portland Environmental Services
Water Pollution Control Laboratory
6543 N. Burlington Avenue
Portland, OR 97203-5452

rev: 10-7-99

98-03-18

TOSCO

Date: May 31, 2001 **Time:** 2:37 PM

Number of Pages Including Cover Sheet: 1

To: MIGUEL SANTANA

City of Portland, Bureau of Environmental Services
1211 SW 5th Avenue, Room 800
Portland, OR 97204-3713

Phone:
Fax: 503-823-5559

From: BILL COLLINS

Tosco Portland Terminal
5528 NW Doane Ave.
Portland, OR 97210

Phone: 503-248-1552
Fax: 503-248-1592

REMARKS

☐ **Urgent** ☑ **For Your Review** ☐ **Reply ASAP** ☐ **Please Comment**

Dear Mr. Santana,

As we discussed during our telephone conversations yesterday and earlier today, Tosco Refining Company is replacing a section of the underground inter-company pipeline that connects Tosco's Portland terminal with the adjacent Chevron terminal. Specifically, a portion of the existing underground piping is being replaced with aboveground piping. The new piping will be hydrotested for leaks using clean water supplied by the City of Portland. It is estimated that approximately 500 gallons of water will be used during the hydrotest. The test water will either be flushed to the Chevron terminal, at which time Chevron will be responsible for disposal, or discharged to the City of Portland's sanitary sewer at Tosco's Portland terminal. In the event that the test water is discharged at Tosco's Portland terminal, it will first be treated by Oil/Water Separator 003 and a Wemco Model 56 Hydro-Cleaner before discharge to the sanitary sewer. It is our understanding that the City has given Tosco permission to discharge to the sanitary sewer during our previous telephone conversations, and that this letter documents disposal of the test water to the sanitary sewer in the event that it occurs. Please contact me a 503-248-1552 if you have any questions or require additional information.

Sincerely,

Bill Collins
Environmental Compliance

TOSCO

Tosco Refining Company
A Division of Tosco Corporation
Portland Terminal
5528 Northwest Doane Avenue
Portland, Oregon 97210

May 24, 2001

Mr. John Holtrop
City of Portland Environmental Services
Water Pollution Control Laboratory
6543 North Burlington Avenue
Portland, Oregon 97203-5452

Re: Storm Water Sampling Results - Storm Water Pollution Control Plan Review and Response

Dear Mr. Holtrop,

This letter is in response to an April 24, 2001 letter from the City of Portland's Bureau of Environmental Services (City) which described results of storm water sampling conducted by the City at Tosco Distribution Company's (Tosco) Portland Terminal. Specifically, the City collected three samples of storm water (i.e., one each from oil-water separators 001, 002 and 004) on November 29, 2000. The samples were analyzed for pH by the City. The pH of the samples ranged between 5.2 and 5.3, which is less than the lower discharge limitation of 6.0, as specified in Tosco's National Pollutant Discharge Elimination System (NPDES) 1300-J waste discharge permit.

In response the sampling conducted by the City, the Storm Water Pollution Control Plan for the Portland Terminal was reviewed. As part of the review, pH results for the samples collected by the City were compared with pH results for samples collected during routine storm water monitoring conducted by Tosco between March 2000 and April 2001 (Figure 1). Based on the data presented in Figure 1, pH results for samples collected by the City do not appear to be consistent with pH results for samples collected by Tosco. Tosco's data generally indicate that storm water discharged through our oil-water separators has been within our permit limits (i.e., 6.0 to 9.0). It is also interesting to note that according to the City's data, the pH of storm water collected at the three sampling locations is the generally the same (i.e., 5.2 or 5.3). Conversely, Tosco's data indicates some variation of pH in samples collected from the three oil-water separators through time.

Other than a localized rainfall event with lower pH on or about November 29, 2000, Tosco is not certain as to the cause of the lower pH values observed for samples collected by the City. We make every effort to collect accurate pH data. An outside laboratory evaluates storm water samples collected by Tosco from

the oil-water separators within 24 hours after collection. In addition, we routinely maintain and clean our oil-water separators. Furthermore, there have been no spills or changes in handling practices at the Portland Terminal that may have contributed to the change in pH observed by the City.

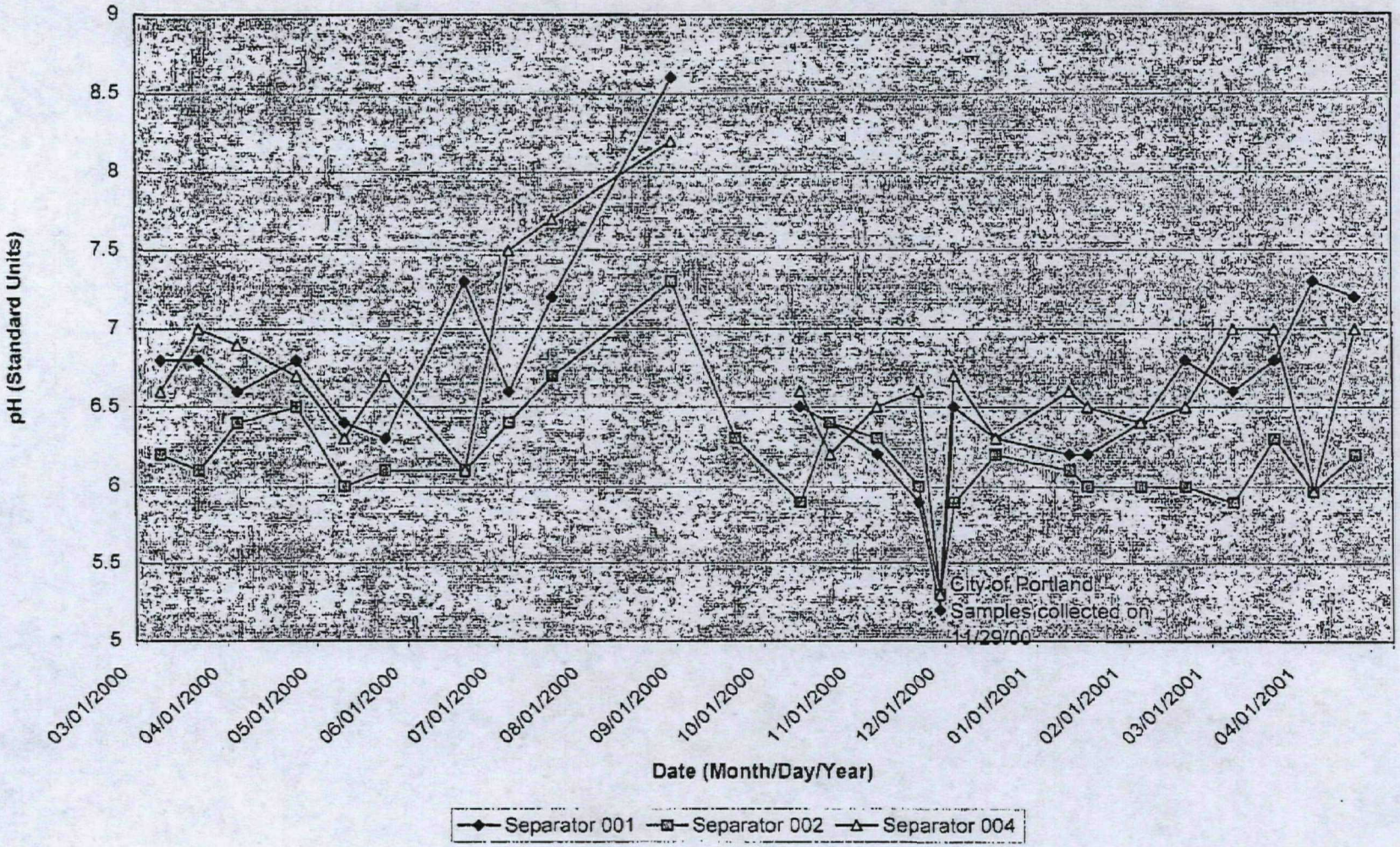
Tosco will continue to carefully monitor storm water conditions as required by our waste discharge permit. If future monitoring indicates an ongoing problem with pH, we will take additional actions as necessary. Future actions include purchase of a pH meter to make measurements in the field (i.e., field measurements are generally thought to provide the most accurate pH data), and potentially investigation of background or natural conditions not associated with industrial activities at the site that may be related to exceedance of the permit conditions. Please contact me at 503-248-1538 if you have any questions regarding our response to the City's letter of if you require additional information.

Sincerely,

John Sherman
Terminal Superintendent

Cc: Linda Cohu – HES, Santa Fe Springs
Bill Collins – HES, Portland Terminal
Terminal Files
Compliance Files

pH - Oil/Water Separator Grab Samples



CITY OF PORTLAND
ENVIRONMENTAL SERVICES

Water Pollution Control Laboratory
6543 N. Burlington Ave., Portland, Oregon 97203-5452
(503) 823-5600

April 24, 2001

John Sherman
Tosco Distribution Co.
5528 NW Doane Ave.
Portland, OR 97210

Subject: Stormwater Sampling Results

Dear Mr. Sherman:

As part of the City of Portland's Industrial Stormwater Program, routine sampling is performed by City staff at industries that have stormwater runoff discharging to the City's separated storm sewer system.

Enclosed are the results of several stormwater samples taken on November 29, 2000. The samples were taken from sample points 01, 02 and 04. **Please note that the following parameters exceeded the benchmarks as stated in your NPDES 1300-J General Stormwater Permit.**

CONSTITUENT	SAMPLE POINT	RESULT	BENCHMARK
pH	01	5.2	5.5
pH	02	5.3	5.5
pH	04	5.3	5.5

When benchmarks are not achieved, Schedule A.4.c of the permit requires the Permittee to review their Storm Water Pollution Control Plan within sixty (60) days of receiving sample results. Results of this review are to be submitted to DEQ and the City in accordance with Schedule B(4).

If you have any questions regarding this matter, please feel free to contact me at (503) 823-7885.
Thank you.

Sincerely,

John Holtrop
Industrial Stormwater Program

City of Portland
Water Pollution Control Laboratory
Laboratory Analysis Report

Sample Date/Time	11/29/00 14:25	**System ID**	AE10766	**Sample ID**	**SWM000043**

		Page:	1
Proj./Company Name:	TOSCO DISTRIBUTION	**Date Received:**	11/29/00
Address/Location:	5528 NW DOANE AVE STORM SEPARATOR	**Sample Status:**	REPORT QUEUE
Proj Subcategory:	INDUSTRIAL STORMWATER SAMPLING	**Sample Type:**	GRAB
Sample Point Code:	01	**Sample Matrix:**	STORMWTR
IMS File/Invoice #:	3060.001	**Collected By:**	JRH

Comments: JRH 1300J

Test Parameter	Result	Units	MRL	Method
FIELD				
pH (FIELD)	5.2	pH Units	0.1	SM 4500-H B
TEMPERATURE	8.3	Deg. C	0.1	SM 2550 B
WETCHEM				
COD	8	mg/L	2	SM 5220 D
TOTAL OIL & GREASE	<5	mg/L	5	EPA 1664
TOTAL SUSPENDED SOLIDS	7.2	mg/L	1	SM 2540 D
METALS				
COPPER	<0.050	mg/L	0.05	EPA 200.7
LEAD	<0.200	mg/L	0.20	EPA 200.7
ZINC	0.19	mg/L	0.05	EPA 200.7

End of Report for Sample ID: SWM000043

6543 N. Burlington Ave. / Portland OR 97203 (503) 823-5600 fax (503) 823-5656

Report Date: 12/14/00

Validated By:

City of Portland
Water Pollution Control Laboratory
Laboratory Analysis Report

Sample Date/Time	11/29/00 14:35	**System ID**	AE10767	**Sample ID**	**SWM000044**

		Page:	1
Proj./Company Name:	TOSCO DISTRIBUTION	**Date Received:**	11/29/00
Address/Location:	5528 NW DOANE AVE STORM SEPARATOR	**Sample Status:**	REPORT QUEUE
Proj Subcategory:	INDUSTRIAL STORMWATER SAMPLING	**Sample Type:**	GRAB
Sample Point Code:	02	**Sample Matrix:**	STORMWTR
IMS File/Invoice #:	3060.001	**Collected By:**	JRH

Comments: JRH 1300J

Test Parameter	Result	Units	MRL	Method
FIELD				
pH (FIELD)	5.3	pH Units	0.1	SM 4500-H B
TEMPERATURE	8.7	Deg C	0.1	SM 2550 B
WETCHEM				
COD	14	mg/L	2	SM 5220 D
TOTAL OIL & GREASE	<5	mg/L	5	EPA 1664
TOTAL SUSPENDED SOLIDS	12	mg/L	1	SM 2540 D
METALS				
COPPER	<0.050	mg/L	0.05	EPA 200.7
LEAD	<0.200	mg/L	0.20	EPA 200.7
ZINC	0.13	mg/L	0.05	EPA 200.7

End of Report for Sample ID: SWM000044

6543 N. Burlington Ave. / Portland OR 97203 (503) 823-5600 fax (503) 823-5656

Report Date: 12/14/00

Validated By:

City of Portland
Water Pollution Control Laboratory
Laboratory Analysis Report

Sample Date/Time	11/29/00 14:50	**System ID**	AE10768	**Sample ID**	**SWM000045**

Page: 1

Proj./Company Name: TOSCO DISTRIBUTION
Address/Location: 5528 NW DOANE AVE
STORM SEPARATOR

Date Received: 11/29/00
Sample Status: REPORT QUEUE

Proj Subcategory: INDUSTRIAL STORMWATER SAMPLING
Sample Point Code: 04
IMS File/Invoice #: 3060.001

Sample Type: GRAB
Sample Matrix: STORMWTR
Collected By: JRH

Comments: JRH 1300J

Test Parameter	Result	Units	MRL	Method
FIELD				
pH (FIELD)	5.3	pH Units	0.1	SM 4500-H B
TEMPERATURE	7.7	Deg C	0.1	SM 2550 B
WETCHEM				
COD	<2	mg/L	2	SM 5220 D
TOTAL OIL & GREASE	<5	mg/L	5	EPA 1664
TOTAL SUSPENDED SOLIDS	4.8	mg/L	1	SM 2540 D
METALS				
COPPER	<0.050	mg/L	0.05	EPA 200.7
LEAD	<0.200	mg/L	0.20	EPA 200.7
ZINC	0.10	mg/L	0.05	EPA 200.7

End of Report for Sample ID: SWM000045

6543 N. Burlington Ave. / Portland OR 97203 (503) 823-5600 fax (503) 823-5656

Report Date: 12/14/00

Validated By:

TOSCO

Tosco Refining Company
A Division of Tosco Corporation
Portland Terminal
5528 Northwest Doane Avenue
Portland, Oregon 97210

May 7, 2001

Mr. Eric DeBerry
City of Portland
Environmental Serices
1211 SW 5th Ave., Rm. 800
Portland, OR 97204-3713

Re: Remediation Related Groundwater Discharges

Dear Eric:

In accordance with the Portland Terminal's Wastewater Discharge Permit requirements, we are submitting this estimate groundwater discharged to the terminal's process water treatment system. I apologize for not submitting this earlier but until last week we were without an environmental compliance person and in reviewing our permits with this person I realized we had not submitted an accounting of the recovered groundwater.

As you are aware, Tosco has been conducting remedial activities at the mouth of the Doane Street outfall since September 2000 to recover free product seeping from the back fill around the outfall pipe and into the Willamette River. In 2000, the remedial system consisted of one well on either side of the outfall with diaphragm pumps used to recover both groundwater and floating oil from the wells. The recovered liquids are then pumped to a 6,500 gallon tank which is used as an oil/water separator. Water is drawn off the bottom of the tank, passed through a cartridge filter and pumped to the terminal's process water treatment system.

The system began operation on September 12, 2000 and has been operating relatively continuously ever since. Although we do not have a totalizing flow meter, our consultant, KHM, has periodically estimated the rate of water discharged to the process water system by timing the filling of 5-gallon buckets with the inlet hose to the 6,500 gallon tank. For the period of September 12 to December 31, 2000, KHM estimated 1.12 million gallons of groundwater was discharged to the terminal's process water system (see attached memo).

If you have any questions or comments, please feel free to contact me at 248-1517.

Sincerely,

Martin Cramer
Project Manager, Remediation

cc: John Sherman, Terminal Superintendent
Bill Collins, Environmental Compliance Specialist

KHM Environmental Management, Inc.

Memo

To: Martin Cramer

From: Nate Hemphill and Kelly A. Kline

CC:

Date: April 13, 2001

Re: Estimate of Water Volume Extracted from Area Near 60-inch Outfall

---

Here is the information you requested when we spoke on 3-9-01:

Per your request, KHM Environmental Management, Inc. (KHM) has prepared this memo to provide an estimate of the volume of water pumped from the wells near the outfall of the 60-inch storm sewer.

Groundwater extraction was started on September 12, 2000 from two six-inch extraction points that were hand placed on either side of the outfall. These points produced an estimated 6 gallons per minute (GPM) for 6 days. On September 21, 2000 the hand-dug extraction points were replaced by two six-inch and four four-inch extraction points placed in machine excavated holes. Groundwater was extracted from these points at approximately 8 GPM from October 5 to November 21, 2000 (47 days). Two of these extraction points were removed, modified and replaced on November 23, 2000. These extraction points were used for 37 days, in the remainder of the year 2000, at a rate of approximately 10 GPM. The total volume of water input into the Tosco water treatment system in the year 2000 was approximately 1.12 million gallons.

The values presented in this letter are approximations of the actual volumes of groundwater removed from the vicinity of the 60-inch outfall. The different configurations of pumps and extraction points have yielded varying groundwater extraction rates. River stage fluctuations, tidal fluctuations and the effectiveness of the pumps cause variations in the amount of water pumped over the course of each day. Values are based on the average of high and low water pumping rates.

KHM appreciates the opportunity to be of assistance to Tosco on this project. If you need further information or have any questions, please call (503) 233-4068.

ENVIRONMENTAL REVIEW ON WASTE WATER TO UNIT 100

Process/Waste Water For Disposal to Unit 100

Sandy Matthews (fax) 503.248.1592
Tosco Distribution West - Tracy
On-site - Karen Polyniak (fax)661.587.2999

Unit 100 Feed Rate = 2
Date R-149 Received

Faxed data 4/5/00

Water Description				35,000 Gallons Max Water From Valve Boxes from Tracy Pipeline		
	Eff. Limit mg/L	Limit kg/day	HW mg/L	Conc mg/L	Loading kg/day	U100 mg/L
Volume (MGD, million gallons per day)				0.03500	0.03500	0.03500
Arsenic	0.2		5	< 0.1	0.013	0.0018
Cadmium	0.03		1	< 0.01	0.001	0.0002
Chromium	0.110	0.21	5	< 0.01	0.001	0.0002
Copper	0.037	0.176	25	0.016	0.002	0.0003
Lead	0.053		5	< 0.02	0.003	0.0004
Mercury	0.0002		0.2	< 0.0002	0.00003	0.00000
Nickel	0.085		20	< 0.01	0.001	0.0002
Selenium	0.4		1	< 0.1	0.013	0.0018
Silver	0.023		5	< 0.01	0.001	0.0002
Vanadium	1		24	< 0.01	0.001	0.0002
Zinc	0.58		250	< 0.2	0.026	0.0035
MTBE	none	453.72		6.6	0.874	0.1155
Bioassay (LC-50)			>500 ppm		Passed bioassay screening	
Cyanides	0.025			< 0.01	0.00	0.000
O&G	8	115			0.00	0.00
PCBs						
pH (corrosivity)	6 - 8		2.1 <pH>12.4	8.3		
Sulfide	0.31	2		2.3	0.30	0.04
Phenol	10					
TCDD	1.4E-10					
TPH						
Reactive CN			250	< 10		
Reactive Sulfide			500	< 50		
Flash point			>60 C (>140 F)	> 96 C		
Pesticides				0.000316		

Recommended or Rejected

Recommended on 4/6/00
35,000 gal max

Authorization good thru 7/31/00

Benzene NESHAP / MISC.

Baker Tank #	Limit mg/L	Limit kg/day	HW mg/L	Conc mg/L	Loading kg/day	U100 mg/L
Benzene	0.21	n/a	0.5*	< 0.1	0.01	0.002
EPA 808	0.00046	n/a	n/a			

K:\env\water\r-42spec\wastedis\ 2000rev

4.6.00

DRAFT

Issuance Date: _____
Effective Date: _____
Expiration Date: June 30, 2004

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
WASTE DISCHARGE PERMIT NO. WA0003387

State of Washington
DEPARTMENT OF ECOLOGY
Olympia, Washington 98504-8711

In compliance with the provisions of
The State of Washington Water Pollution Control Law
Chapter 90.48 Revised Code of Washington
and
The Federal Water Pollution Control Act
(The Clean Water Act)
Title 33 United States Code, Section 1251 et seq.

Tosco Tacoma Terminal
520 East "D" Street
Tacoma, WA 98421

Facility Location: 520 East "D" Street Tacoma, WA 98421	Receiving Water: Thea Foss Waterway
Water Body I.D. No.: WA-10-0030	Discharge Location: Latitude: 47° 15' 30" N Longitude: 122° 25' 58" W
Industry Type: Petroleum Bulk Station and Terminal	

is authorized to discharge in accordance with the special and general conditions which follow.

_____

Keli McKay
Southwest Region Manager
Water Quality Program
Washington State Department of Ecology

SUMMARY OF PERMIT REPORT SUBMITTALS

Refer to the Special and General Conditions of this permit for additional submittal requirements.

Permit Section	Submittal	Frequency	First Submittal Date
S3.A	Discharge Monitoring Report	Quarterly	15th day of the month following the completed monitoring period
S3.E	Noncompliance Notification	As necessary	Immediate notification and a written report to within 30 days of becoming aware of noncompliance
S4.A	Operations and Maintenance Manual	1/permit cycle	Within 6 months after permit effective date
S4.A	Operations and Maintenance Manual Update or Review Confirmation Letter	Annually	On or before December 31, 2001
S4.B	Reporting Bypasses	As necessary	Immediate notification
S4.	Spill Plan	1/permit cycle, updates submitted as necessary	Within 3 months after permit effective date
S8.B1	Stormwater Pollution Prevention Plan	1/permit cycle	Within 3 months after permit effective date
S8.B2	Stormwater Pollution Prevention Plan Modifications	As necessary	At least 30 days prior to implementation of the proposed changes
S8.C2	Notification of Unpermitted non-stormwater to *Stormwater Drainage System*	As necessary	Immediate notification
G1.C	Notice of Change in Authorization	As necessary	Either prior to or together with any submittal following change in authorization
G4.	Permit Application for Substantive Changes to the Discharge	As necessary	At least 60 days prior to any proposed changes
G5.	Engineering Report for Construction or Modification Activities	As necessary	At least 180 days prior to planed start of construction
G7.	Application for permit renewal	1/permit cycle	At least 180 days prior to the expiration date of the permit
G8.	Notice of Permit Transfer	As necessary	Within 30 days of permit transfer

S2. MONITORING REQUIREMENTS

A. Monitoring Schedule

Parameter	Units	Minimum Sampling Frequency	Sample Type
Flow	Gallons per day (gpd)	Continuous	Metered and Recorded
pH[1]	Standard Units	Daily	Grab
TSS	mg/l	Monthly	Grab
O&G	mg/l	Daily Monthly	Visual Inspection, Grab
Total Petroleum Hydrocarbons-Gasoline (TPH-G)[2]	mg/l	Monthly	Grab
Total Petroleum Hydrocarbons-Diesel (TPH-D)[3]	mg/l	Monthly	Grab
Benzene	µg/l	Monthly	Grab
Ethylbenzene	µg/l	Monthly	Grab
Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX)[4]	Micrograms per liter (µg/l)	Monthly	Grab
Priority Pollutants[5]	µg/l	Yearly	Grab

B. Sampling and Analytical Procedures

Samples and measurements taken to meet the requirements of this permit shall be representative of the volume and nature of the monitored parameters, including representative sampling of any unusual discharge or discharge condition, including bypasses, upsets and maintenance-related conditions affecting effluent quality.

Sampling and analytical methods used to meet the water and wastewater monitoring requirements specified in this permit shall conform to the latest revision of the *Guidelines Establishing Test Procedures for the Analysis of Pollutants* contained in 40 CFR Part 136 or to the latest revision of *Standard Methods for the Examination of Water and*

[1] pH can be monitored in-house using EPA Method 150.1. The results shall be recorded in a log book available for inspection.
[2] TPH-G shall be measured using Ecology method WTPH-G (gasoline), or approved equivalent method(s).
[3] TPH-D shall be measured using Ecology method WTPH-D (diesel), or approved equivalent method(s).
[4] BTEX shall be measured as the sum of benzene, ethylbenzene, toluene, and xylenes using Ecology Method for BTEX, or approved equivalent method(s).
[5] Priority pollutants are listed in 40 CFR 401.15.

Discharge Monitoring Report (DMR) forms must be submitted quarterly whether or not the facility was discharging. If there was no discharge or the facility was not operating during a given monitoring period, submit the form as required with the words "no discharge" entered in place of the monitoring results.

B. Records Retention

The Permittee shall retain records of all monitoring information for a minimum of three years. Such information shall include all calibration and maintenance records and all original 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. This period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the Permittee or when requested by the Director.

C. Recording of Results

For each measurement or sample taken, the Permittee shall record the following information: (1) the date, exact place, method, and time of sampling; (2) the individual who performed the sampling or measurement; (3) the dates the analyses were performed; (4) who performed the analyses; (5) the analytical techniques or methods used; and (6) the results of all analyses.

D. Additional Monitoring by the Permittee

If the Permittee monitors any pollutant more frequently than required by this permit using test procedures specified by Condition S2. of this permit, then the results of this monitoring shall be included in the calculation and reporting of the data submitted in the Permittee's self-monitoring reports.

E. Noncompliance Notification

In the event the Permittee is unable to comply with any of the permit terms and conditions due to any cause, the Permittee shall:

1. Immediately take action to stop, contain, and clean up unauthorized discharges or otherwise stop the violation, correct the problem and, if applicable, repeat sampling and analysis of any violation immediately and submit the results to the Department within 30 days after becoming aware of the violation;

2. Immediately notify the Department of the failure to comply; and

3. Submit a detailed written report to the Department within thirty days (five days for upsets and bypasses), unless requested earlier by the Department. The report should describe the nature of the violation, corrective action taken and/or planned, steps to be taken to prevent a recurrence, results of the resampling, and any other pertinent information.

Compliance with these requirements does not relieve the Permittee from responsibility to maintain continuous compliance with the terms and conditions of this permit or the resulting liability for failure to comply.

If the resulting bypass from any portion of the treatment system results in noncompliance with this permit the Permittee shall notify the Department in accordance with condition S3.E "Noncompliance Notification."

2. Anticipated Bypass That Has The Potential to Violate Permit Limits or Conditions -- Bypass is authorized by an administrative order issued by the Department. The Permittee shall notify the Department at least 30 days before the planned date of bypass. The notice shall contain (1) a description of the bypass and its cause; (2) an analysis of all known alternatives which would eliminate, reduce, or mitigate the need for bypassing; (3) a cost-effectiveness analysis of alternatives including comparative resource damage assessment; (4) the minimum and maximum duration of bypass under each alternative; (5) a recommendation as to the preferred alternative for conducting the bypass; (6) the projected date of bypass initiation; (7) a statement of compliance with SEPA; (8) if a water quality criteria exceedence is unavoidable, a request for modification of water quality standards as provided for in WAC 173-201A-110, and (9) steps taken or planned to reduce, eliminate, and prevent reoccurrence of the bypass.

   For probable construction bypasses, the need to bypass is to be identified as early in the planning process as possible. The analysis required above shall be considered during preparation of the engineering report or facilities plan and plans and specifications and shall be included to the extent practical. In cases where the probable need to bypass is determined early, continued analysis is necessary up to and including the construction period in an effort to minimize or eliminate the bypass.

   The Department will consider the following prior to issuing an Administrative Order:

   a. If the bypass is necessary to perform construction or maintenance-related activities essential to meet the requirements of the permit.

   b. If there are feasible alternatives to bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, stopping production, maintenance during normal periods of equipment down time, or transport of untreated wastes to another treatment facility.

   c. If the bypass is planned and scheduled to minimize adverse effects on the public and the environment.

   After consideration of the above and the adverse effects of the proposed bypass and any other relevant factors, the Department will approve or deny the request. The public shall be notified and given an opportunity to comment on bypass incidents of significant duration, to the extent feasible.

3. Bypass For Essential Maintenance Without the Potential to Cause Violation of Permit Limits or Conditions -- Bypass is authorized if it is for essential maintenance and does not have the potential to cause violations of limitations or other conditions of the permit, or adversely impact public health as determined by the Department prior to the bypass.

2. Within nine months after permit effective date, complete the implementation of *operational best management practices (BMPs)* and applicable *source control BMPs*, as required under this Special Condition, which do not require *capital improvements*.

3. Within 18 months after permit effective date, complete the implementation of BMPs requiring capital improvements.

The guidance for development of a SWPPP is available from:

Water Quality Permit Coordinator
Department of Ecology
Southwest Regional Office
P.O. Box 47775
Olympia, WA 98504-7775

B. General Requirements

1. Submission, Retention and Availability:

The Permittee shall submit a copy of the SWPPP to the Department by within three months after permit effective date for review and comment. A copy of the SWPPP shall be submitted to the municipal operator of the storm sewer system. The SWPPP and all of its modifications shall be signed in accordance with Special Condition S3.I. Retain the SWPPP on-site or within reasonable access to the site.

2. Modifications:

The Permittee shall modify the SWPPP whenever there is a change in design, construction, operation, or maintenance which causes the SWPPP to be less effective in controlling the pollutants. Whenever the description of potential pollutant sources or the pollution prevention measures and controls identified in the SWPPP are inadequate, the SWPPP shall be modified, as appropriate, within two months of such determination. The proposed modifications to the SWPPP shall be submitted to the Department at least 30 days in advance of implementing the proposed changes in the plan unless the Department approves immediate implementation. The Permittee shall provide for implementation of any modifications to the SWPPP in a timely manner.

3. The Permittee may incorporate applicable portions of plans prepared for other purposes. Plans or portions of plans incorporated into a SWPPP become enforceable requirements of this permit.

4. The Permittee shall prepare the SWPPP in accordance with the guidance provided in the *Stormwater Pollution Prevention Planning for Industrial Facilities*. The plan shall contain the following elements:

   a. Assessment and description of existing and potential pollutant sources,

   b. A description of the operational BMPs,

   c. A description of selected source-control BMPs,

4. In the event of an accidental discharge of oil, chemicals, toxic or hazardous materials into waters of the state or onto land with a potential for entry into state waters, including groundwater, representatives of the Southwest Regional Office Spill Response Team shall be notified immediately (within 24 hours) at (360) 407-6300. A written spill report shall be submitted to the Department of Ecology, Water Quality Program, within five days of the time the Permittee becomes aware of the circumstances, unless the Department waives or extends this requirement on a case-by-case basis.

5. No emulsifiers or dispersants and no fire suppression foam agents and wash water shall be released to the oil/water separators.

6. Contained, collected or accumulated oils and solvents shall be discharged directly to the waste oil tank and not discharged to the oil/water separators or any sewer systems. Records or manifests for the waste oil disposal (hauling) shall be kept on-site and made available for inspection.

7. Best Management Practices (BMPs) shall be employed on the dock facilities to collect oil spillage when making and breaking hose connections, and to prevent spillage from all hoses, hose reels and filler nozzles. Containment and other specialized oil cleanup equipment shall be available at all times for immediate emergency use.

8. BMPs shall be employed on-site to reduce dust and debris by sweeping the area impacted by heavy vehicle traffic whenever weather permits.

9. All tank water drawn shall be hauled off-site for proper disposal.

10. Once during each pipeline receipt from the deck or via Olympic Pipeline, a walk through inspection shall be conducted on the transfer line starting from the manifold area and proceeding to the individual tank during the transfer process.

11. A daily inspection shall be conducted in the tank farm for leaks and spills.

12. Sludges, scales, and sediments from tanks shall be disposed of in an approved manner other than to waters of the state, and other then to the sanitary sewer system.

13. All barrels, drums, or similar containers containing toxic or deleterious materials, including, but not limited to petroleum products, organic solvents, resins, strong acids and bases, cyanides, and heavy metal salts, shall be stored in a upright position, in a bermed, covered area sufficient to prevent discharge into state ground or surface waters in the event of leakage or rupture.

14. Empty barrels shall be stored with all openings plugged, in an upright position, and at least 20 feet from a storm drain.

B. To have access to and copy at reasonable times any records that must be kept under the terms of the permit;

C. To inspect at reasonable times any monitoring equipment or method of monitoring required in the permit;

D. To inspect at reasonable times any collection, treatment, pollution management, or discharge facilities; and

E. To sample at reasonable times any discharge of pollutants.

G3. PERMIT ACTIONS

This permit shall be subject to modification, suspension, or termination, in whole or in part by the Department for any of the following causes:

A. Violation of any permit term or condition;

B. Obtaining a permit by misrepresentation or failure to disclose all relevant facts;

C. A material change in quantity or type of waste disposal;

D. A material change in the condition of the waters of the state; or

E. Nonpayment of fees assessed pursuant to RCW 90.48.465.

The Department may also modify this permit, including the schedule of compliance or other conditions, if it determines good and valid cause exists, including promulgation or revisions of regulations or new information.

G4. REPORTING A CAUSE FOR MODIFICATION

The Permittee shall submit a new application, or a supplement to the previous application, along with required engineering plans and reports, whenever a material change in the quantity or type of discharge is anticipated which is not specifically authorized by this permit. This application shall be submitted at least 60 days prior to any proposed changes. Submission of this application does not relieve the Permittee of the duty to comply with the existing permit until it is modified or reissued.

G5. PLAN REVIEW REQUIRED

Prior to constructing or modifying any wastewater control facilities, an engineering report and detailed plans and specifications shall be submitted to the Department for approval in accordance with Chapter 173-240 WAC. Engineering reports, plans, and specifications should be submitted at least 180 days prior to the planned start of construction. Facilities shall be constructed and operated in accordance with the approved plans.

G6. COMPLIANCE WITH OTHER LAWS AND STATUTES

Nothing in the permit shall be construed as excusing the Permittee from compliance with any applicable federal, state, or local statutes, ordinances, or regulations.

G14. PAYMENT OF FEES

The Permittee shall submit payment of fees associated with this permit as assessed by the Department. The Department may revoke this permit if the permit fees established under Chapter 173-224 WAC are not paid.

G15. PENALTIES FOR VIOLATING PERMIT CONDITIONS

Any person who is found guilty of willfully violating the terms and conditions of this permit shall be deemed guilty of a crime, and upon conviction thereof shall be punished by a fine of up to ten thousand dollars and costs of prosecution, or by imprisonment in the discretion of the court. Each day upon which a willful violation occurs may be deemed a separate and additional violation.

Any person who violates the terms and conditions of a waste discharge permit shall incur, in addition to any other penalty as provided by law, a civil penalty in the amount of up to ten thousand dollars for every such violation. Each and every such violation shall be a separate and distinct offense, and in case of a continuing violation, every day's continuance shall be and be deemed to be a separate and distinct violation.

Sound Analytical Services, Inc.
ANALYTICAL & ENVIRONMENTAL CHEMISTS
4813 Pacific Hwy East • Tacoma, WA 98424
(253) 922-2310 • FAX (253) 922-5047
e-mail: SoundL@aol.com

TRANSMITTAL MEMORANDUM

DATE: March 24, 1999

TO: Gary Clark
TOSCO Refining Co. - Renton
2423 Lind Avenue SW
Renton, WA 98055

PROJECT: METRO

REPORT NUMBER: 79690

Enclosed are the test results for one sample received at Sound Analytical Services on March 12, 1999.

The report consists of this transmittal memo, analytical results, quality control reports, a copy of the chain-of-custody, a list of data qualifiers and analytical narrative when applicable, and a copy of any requested raw data.

Should there be any questions regarding this report, please contact me at (253) 922-2310.

Sincerely,

Stan Palmquist
Project Manager

SOUND ANALYTICAL SERVICES, INC.

ANALYTICAL & ENVIRONMENTAL CHEMISTS

4813 PACIFIC HIGHWAY EAST, TACOMA, WASHINGTON 98424 - TELEPHONE (253)922-2310 - FAX (253)922-5047

Report To: TOSCO Refining co. - Renton Date: March 23, 1999

Report On: Analysis of Liquid Report No.: 79690

IDENTIFICATION:
Samples received on 03-12-99
Project: METRO

ANALYSIS:

Polar & Non-Polar Oil & Grease Per EPA 1664
Date Analyzed: 03-22-99
Units: mg/L

Lab Sample No. 79690-1 Client ID: Metro 1st Half

Parameter	Result	PQL
Total Oil and Grease (HEM)	7	6
Non-Polar Oil and Grease (SGT-HEM)	6	6
Polar Oil and Grease	ND	6

ND - Not Detected
PQL - Practical Quantitation Limit

This report is issued solely for the use of the person or company to whom it is addressed. This laboratory accepts responsibility only for the due performance of analysis in accordance with [illegible] be responsible for consequential or special damages in any kind or in any amount.

SOUND ANALYTICAL SERVICES, INC.

Client Name	TOSCO Refining Co. - Renton
Client ID:	METRO 1ST HALF
Lab ID:	79690-01
Date Received:	3/12/99
Date Prepared:	3/19/99
Date Analyzed:	3/19/99
% Solids	-
Dilution Factor	1

Volatile Aromatic Hydrocarbons by USEPA Method 8021B/5030B Modified

Surrogate	% Recovery	Flags	Recovery Limits Low	High
Trifluorotoluene	97		63	138
Bromofluorobenzene	101		41	157

Analyte	Result (mg/L)	PQL	MDL	Flags
Benzene	0.066	0.001	0.00064	
Toluene	0.15	0.001	0.00051	
Ethylbenzene	0.0089	0.001	0.00037	
m&p-Xylene	0.049	0.002	0.00063	
o-Xylene	0.03	0.001	0.00063	

SOUND ANALYTICAL SERVICES, INC.

ANALYTICAL & ENVIRONMENTAL CHEMISTS

4813 PACIFIC HIGHWAY EAST, TACOMA, WASHINGTON 98424 - TELEPHONE (253)922-2310 - FAX (253)922-5047

QUALITY CONTROL REPORT

Non-Polar & Total Oil & Grease Per EPA 1664

Client: TOSCO Refining Co. - Renton
Lab No: 79690q
Units: mg/L

QC Batch No. 114
Date Analyzed: 03-22-99

METHOD BLANKS

Parameter	Result	PQL
Non-Polar Oil and Grease	ND	5
Total Oil and Grease	ND	5

ND = Not Detected
PQL = Practical Quantitation Limit

BLANK SPIKE / BLANK SPIKE DUPLICATE

Parameter	BS Amount	BS Result	BS %R	BSD Amount	BSD Result	BSD %R	RPD	Flag
Non-Polar Oil and Grease	20.0	15.9	80	20.0	16.3	82	2.5	
Total Oil and Grease	40.0	33.5	84	40.0	34	85	1.2	

%R = Percent Recovery
BS = Matrix Spike
BSD = Matrix Spike Duplicate
RPD = Relative Percent Difference

This report is issued solely for the use of the person or company to whom it is addressed. This laboratory accepts responsibility only for the due performance of analysis in accordance with industry acceptable practice. In no event shall Sound Analytical Services, Inc. or its employees be responsible for consequential or special damages in any kind or in any amount.

SOUND ANALYTICAL SERVICES, INC.

Lab ID:	Method Blank - GB1736
Date Received:	-
Date Prepared:	3/19/99
Date Analyzed:	3/19/99
% Solids	-
Dilution Factor	1

Volatile Aromatic Hydrocarbons by USEPA Method 8021B/5030B Modified

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Trifluorotoluene	105		63	138
Bromofluorobenzene	108		41	157

Analyte	**Result (mg/L)**	**PQL**	**MDL**	**Flags**
Benzene	ND	0.001	0.00064	
Toluene	ND	0.001	0.00051	
Ethylbenzene	ND	0.001	0.00037	
m&p-Xylene	ND	0.002	0.00063	
o-Xylene	ND	0.001	0.00063	

SOUND ANALYTICAL SERVICES, INC.

Blank Spike/Blank Spike Duplicate Report

Lab ID:	GB1736
Date Prepared:	3/19/99
Date Analyzed:	3/19/99
QC Batch ID:	GB1736

Volatile Aromatic Hydrocarbons by USEPA Method 8021B/5030B Modified

Compound Name	Blank Result (mg/L)	Spike Amount (mg/L)	BS Result (mg/L)	BS % Rec.	BSD Result (mg/L)	BSD % Rec.	RPD	Flag
Benzene	0	0.025	0.0306	122	0.0325	130	6.3	
Toluene	0	0.025	0.0311	125	0.0321	128	2.4	
Ethylbenzene	0	0.025	0.0309	124	0.033	132	6.3	
m&p-Xylene	0	0.05	0.0631	126	0.0673	135	6.9	
o-Xylene	0	0.025	0.0306	122	0.0328	131	7.1	

SOUND ANALYTICAL SERVICES, INC.

Duplicate Report

Client Sample ID:	TS-MW28-GW1L-D
Lab ID:	79774-05
Date Prepared:	3/19/99
Date Analyzed:	3/20/99
QC Batch ID:	GB1736

Volatile Aromatic Hydrocarbons by USEPA Method 8021B/5030B Modified

Parameter Name	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD %	Flag
Benzene	0	0	NC	
Toluene	0	0	NC	
Ethylbenzene	0.0022	0.0025	-13.0	
m&p-Xylene	0	0	NC	
o-Xylene	0	0	NC	

SOUND ANALYTICAL SERVICES, INC.
ANALYTICAL & ENVIRONMENTAL CHEMISTS

4813 Pacific Hwy. East
Tacoma, Washington 98424
(253) 922-2310 • FAX (253) 922-5047

79690 H3/S3

CHAIN OF CUSTODY / REQUEST FOR LABORATORY ANALYSIS

CLIENT: TOSCO RENTON
PROJECT NAME: METRO
CONTACT: GARY CLARK
PHONE NO: (425) 228-6142

ANALYSIS REQUESTED:

LAB #	SAMPLE I.D.	DATE	TIME	MATRIX	# of Containers	Halogenated Volatiles EPA 601/8010	Aromatic Volatiles EPA 602/8020	Chlorinated Pest., PCB's EPA 608/8080	PAH's	Volatile Organics EPA 624/8240 (GC/MS)	Semi-volatiles EPA625/8270 (GC/MS)	TPH 418.1	Oil & Grease	Total Metals (Specify below)	TCLP Extraction: 8 Metals	TCLP Extraction: Volatiles	TCLP Extraction: Semi-volatiles	TCLP Extraction: Pesticides & Herbicides	NON POLAR FOG	BTEX							
—	METRO 1st HALF	3/12/99	NOON	WATER	3														X	X							

	Signature	Printed Name	Firm	Time / Date
Relinquished By	[signature]	J FREDRICKSON	TOSCO	322 3/12/99
Received By	[signature]	Giang	SAS	322 3/12/99
Relinquished By				
Received By				
Relinquished By				
Received By				

SPECIAL INSTRUCTIONS/COMMENTS:

These samples will be disposed of 45 days after receipt.
Check this box to have samples returned ☐.

NORMAL TURNAROUND

1/3 VOA

Page 1 of 1

COPPOR00002173

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
P.O. Box 47775 • Olympia, Washington 98504-7775 • (360) 407-6300

July 26, 1999

Mr. Ken Durham
Terminal Manager
Tosco Distribution Company
Tosco 76 Tacoma Terminal
516 East "D" Street
Tacoma, WA 98421

Dear Mr. Durham:

Re: National Pollutant Discharge Elimination System (NPDES) Waste Discharge Permit No. WA0000728; Tosco 76 Tacoma Terminal, 516 "D" Street; Compliance Inspection

Thank you for your time during my recent visit to Tosco 76 Tacoma Terminal on June 17, 1999. A copy of my report is enclosed for your records.

Please feel free to call me at (360) 407-6286 if you have any questions.

Sincerely,

Jacek Anuszewski

Jacek Anuszewski, P.E.
Environmental Engineer
Water Quality Program
Southwest Regional Office

JA:mf(2/wq)
Enclosure

cc: Sandra Matthews, Tosco
Steve Eberl, Ecology

United States Environmental Protection Agency
Washington D.C. 20460

EPA

Water Compliance Inspection Report

Form Approved.
OMB No. 2040-0057
Approval expires 10-31-95

Section A: National Data System Coding (i.e., PCS)

Transaction Code	NPDES	yr/mo/dy	Inspection Type	Inspector	Facility Type
1 N	2 5 3 W A 0 0 0 0 7 2 8 11	12 9 9 0 6 1 7 17	18 c	19 s	20 2

Remarks

21 66

Inspection Work Days	Facility Self-Monitoring Evaluation Rating	B1	QA	Reserved
67 69	70	71	72	73 74 75 80

Section B: Facility Data

Name and Location of Facility Inspected *(For industrial users discharging to POTW, also include POTW name and NPDES permit number)*	Entry Time/Date	Permit Effective Date
Tosco Distribution Company, Tosco 76 Tacoma Terminal 516 East "D" Street Tacoma, WA 98421	10:00 99/06/17	11/23/93
	Exit Time/Date 12:25 99/06/17	Permit Expiration Date 11/23/98

Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number
Ken R. Durham, Terminal Manager
Phone: (253) 627-3878
Fax: (253) 627-1265

Other Facility Data

Name, Address of Responsible Official/Title/Phone and Fax Number
Ken R. Durham, Terminal Manager Phone: (253) 627-3878
Sandra A. Matthews, NW Environmental Compliance Specialist
Phone: (503) 248-1552
Fax: (503) 248-1592

Contacted ☒ Yes ☐ No

Section C: Areas Evaluated During Inspection *(Check only those areas evaluated)*

X	Permit	X	Flow Measurement	X	Operations & Maintenance		CSO/SSO (Sewer Overflow)
	Records/Reports	X	Self-Monitoring Program	X	Sludge Handling/Disposal		Pollution Prevention
X	Facility Site Review		Compliance Schedules		Pretreatment		Multimedia
	Effluent/Receiving Waters		Laboratory		Stormwater		Other:

Section D: Summary of Findings/Comments *(Attach additional sheets of narrative and checklists as necessary)*

See attached report

Name(s) and Signature(s) of Inspector(s)	Agency/Office/Hone and Fax Numbers	Date
Jacek Anuszewski, P.E. Jacek Anuszewski	Ecology/SWRO (360) 407-6286	7-23-99
Signature of Management A Q Reviewer	**Agency/Office/Phone and Fax numbers**	**Date**
Steven G. Eberl, P.E.	Ecology/SWRO (360) 407-6293	7/23/99

ECOLOGY

INSPECTION REPORT

FACILITY: Tosco Distribution Company, Tosco Tacoma Terminal

INSPECTOR: Jacek Anuszewski, P.E.

DATE OF VISIT: June 17, 1999

PERMIT NUMBER: WA0000728

Facility Description:

Tosco 76 Tacoma Terminal is located on the eastern bank of Thea Foss Waterway at 516 East "D" Street, Tacoma, Pierce County. Tosco 76 is classified as a Petroleum Bulk Station and Terminal, SIC Code 5171.

The Facility was first operated in the 1920s by Union Oil of California as a bulk petroleum storage and distribution facility. Union Oil of California later changed its name to UNOCAL Corporation. Currently the Facility is operated by Tosco Distribution Company.

The Tosco 76 Tacoma Terminal is a bulk petroleum storage, distribution, and blending facility with a normal fill height storage capacity of approximately 138 thousand barrels (5.8 million gallons). The terminal presently handles gasoline (unleaded 87, 89, and 92), diesel #1, and heating oil #2. The annual facility throughput is approximately 175,600,000 gallons per year. Product is received by pipeline and barges and shipped by tank trucks. The receiving pipeline is located above ground throughout the Facility. Pipelines to truck loading racks are above and below ground.

High dikes surround the tank farm. The capacity of a secondary storage is equal to the capacity of the biggest tank in the tank farm area. Areas within the dikes are not accessible by vehicles and were lined with 6-inch thick bentonite clay covered by gravel. Areas outside the tank farm are generally paved with commercial asphalt with minor areas of concrete paving and bare ground.

Contaminated Runoff Treatment and Discharge

Runoff from the tank farm, the Facility's paved areas, and the loading rack spill tank is collected and treated in a 20,000-gallon pre-storage underground oil/water separator and 20,000-gallon storage settling tank. Tosco 76 tests treated runoff after settling in the settling tank to ensure compliance with the NPDES permit. If the test results meet the NPDES permit requirements runoff is discharged from the settling tank. However, if treated runoff does not meet the NPDES permit limits it is diverted through three 10-micron mesh particulate filter and two granular activated carbon canisters and tested once again before discharge. Accumulated sludge is disposed of as hazardous waste by a licensed hauler. The discharge is subject to the NPDES permit.

An outfall is a single pipe which flows into the mouth of Thea Foss Waterway. No dilution zone has been established for the outfall. The outfall was located above the sea level during the inspection on June 17, 1999, just before the noon. The sea level was at least two feet above mean lower low water (MLLW) at that time.

Permit Status

The permit for this facility was issued on November 16, 1993. An application for permit renewal was submitted to the Department of Ecology (Ecology) on January 22, 1998, and accepted by Ecology on May 4, 1998.

GPS Measurement:

Entrance to the Facility:	N 47° 15.499' W 122° 25.938'
Outfall location:	N 47° 15.517' W 122° 25.982'

Department of Environmental Quality
811 SW Sixth Avenue
Portland, OR 97204-1390
(503)229-6652

UNDERGROUND STORAGE TANK PROGRAM

GENERAL PERMIT REGISTRATION CERTIFICATE TO OPERATE

ISSUED TO:
Gary Lefebvre
Conoco Phillips
5528 NW Doane Ave
Portland, OR 97210

REGISTRATION CERTIFICATE NUMBER: 26-1203-2003-OPER

FACILITY NAME AND LOCATION:

CONOCO PHILLIPS
5528 NW DOANE AVE
PORTLAND, OR 97210

TANK OWNER:
Conoco Phillips

PERMITTEE:
Conoco Phillips

REGISTRATION TYPE: Operate
Regulated Substance Delivery Authorized

TANK PERMIT NO:	TANK ID NO:	TANK SIZE:		TANK CONTENTS:
ADFJB	0608-0200-8	5,000	gallons	Lube Flush
ADFJC	0608-0200-8-2	5,000	gallons	Lube Flush

Issued in accordance with the provisions of ORS Chapter 466.706 to 466.835, 465.994 and 466.995 and OAR 340-150-0001 to -0166 and ORS 465.200 to 465.455 and 465.990 and OAR 340-122-0205 to -0360.

The Oregon Department of Environmental Quality issues this registration certificate with the understanding that the permittee will operate in accordance with the conditions and requirements of the general permit to operate an underground storage tank pursuant to OAR 340-150-0163. This registration certificate remains valid until such time as a modified registration form is received by the department or the department suspends or revokes the registration certificate. Certificates may be suspended or revoked for failure by the permittee to comply with the conditions and requirements of the general permit to operate or applicable statutes or rules.

ISSUE DATE: 01/22/2003

Alan D. Kiphut
UST Program Manager
Land Quality Division

Regulated Substance Delivery Authorizec

OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY
UNDERGROUND STORAGE TANK PROGRAM

State of Oregon Department of Environmental Quality

FOR DEQ USE ONLY

Date Rec'd_____

Ck No._____

Amt Rec'd $_____

UST Permit

GENERAL PERMIT REGISTRATION FORM

TO MODIFY TANK OWNER, PERMITTEE OR PROPERTY OWNER INFORMATION *ONLY*

- This form is to be used when there is a change of tank owner, permittee or property owner. This form must be returned within 120 days of a change in tank owner, permittee or property owner so that a revised *General Permit Certificate to Operate* can be issued to insure the facility can continue to legally receive product deliveries such as motor fuel.
- A $75 permit modification fee must accompany this form.
- If you are installing new tanks or there is a change in tank status at the facility, then the *General Permit Registration Form to Install and Operate Regulated Tanks* must be completed and submitted in lieu of this form.

PLEASE PRINT

FACILITY NAME: Conoco Phillips

FACILITY ADDRESS: 5528 NW Doane Ave.

CITY, STATE & ZIP: Portland, OR 97210

DATE OWNER/PERMITTEE INFORMATION CHANGED: 1-1-03

PHONE: 503-248-1533

FACILITY NUMBER: 1203

SIC CODE: 5171

REMINDER

1. Be sure signatures are provided for tank owner, permittee and property owner, **even where one person fills all three roles.**
2. Make copies for your records.
3. Include a check or money order for $75 payable to DEQ.
4. Please return the general permit modification form and fee to:

DEQ Business Office
811 SW 6th Avenue
Portland, Oregon 97204

COPPOR00002179

TO MODIFY OWNERSHIP OR PERMITTEE INFORMATION

GENERAL PERMIT REGISTRATION FORM

TO OPERATE USTs

ConocoPhillips **1. TANK OWNER*** as registered with the Secretary of State, Corporations Division	5528 NW Doane Ave. Mailing Address (*Please Print*)
Gary LeFebvre Name of Official (*Please Print*)	Portland, OR 97210 City, State and Zip Code
Signature of Official — Date: 1-7-03	503 248-1533 Area Code and Telephone Number

I will operate the previously registered USTs in accordance with the conditions and requirements of the general permit pursuant to OAR 340-150-0163.

Conoco Phillips **2. PERMITTEE*** as registered with the Secretary of State, Corporations Division	SAME Mailing Address (*Please Print*)
Gary LeFebvre Name of Official (*Please Print*)	SAME City, State and Zip Code
Signature of Official — Date: 1-7-03	SAME Area Code and Telephone Number

I will operate the previously registered USTs in accordance with the conditions and requirements of the general permit pursuant to OAR 340-150-0163.

Conoco Phillips **3. PROPERTY OWNER** is name that appears on the County deed record for this property.	SAME Mailing Address (*Please Print*)
Gary LeFebvre Name of Official (*Please Print*)	SAME City, State and Zip Code
Signature of Official — Date: 1-7-03	SAME Area Code and Telephone Number

* If this facility or tanks are owned by a person, or operated by a permittee, that is a business registered with the Secretary of State, Corporations Division, please use that legal business name for purposes of registering these USTs with the Department.

If you have any questions, please contact the DEQ UST Program at: 1-800-742-7878 (toll-free in Oregon) or 1-503-229-6652 (out-of-state)

COPPOR00002180

001105 020040 4

This check was issued by ConocoPhillips Company

DATE	INVOICE(DESCRIPT)	CO	DOCUMENT NO.	GROSS	DISCOUNT	NET
01/08/03		LL	1200000754 USD	75.00	0.00	75.00

GENERAL PERMIT REGISTRATION FORM

PAYEE NUMBER	CHECK DATE	CHECK NO	CHECK AMOUNT
129670	01/09/2003	101972	75.00

If you have questions about this check, call (918)661-5746.

FORM 15750-N 11-00

THIS IS WATERMARKED PAPER - DO NOT ACCEPT WITHOUT NOTING WATERMARK - HOLD TO LIGHT TO VERIFY WATERMARK

VOID VOID VOID VOID VOID

HARVEST BANK

ConocoPhillips Company
Houston, TX

129670 01/09/2003 101972 $*******75.00*

PAY TO THE ORDER OF EXACTLY *****75 US Dollars and 00 Cents***

STATE OF OREGON
811 SOUTHWEST 6TH AVENUE
PORTLAND, OR 97204-1305

Treasurer

⑈00101972⑈ ⑆103100823⑆ 0057277⑈

COPPOR00002181

State of Oregon

Department of Environmental Quality

INVOICE

2003 ANNUAL FEE FOR UNDERGROUND STORAGE TANKS

For information about this invoice, please contact Dawn Gomez:
(503) 229-5812 or toll free in Oregon (800) 452-4011
[TTY (503) 229-6993]

Invoice Number: UST03-00278
Invoice Date: 01/02/2003
Invoice Due Date: 02/17/2003

To: Roger McGowne
TOSCO Refining Co.- Distribution West
PO Box 76
Portland, OR 97207

For Facility Number: 1203

TOSCO - PORTLAND TERMINAL
5528 NW DOANE AVE
PORTLAND, OR 97210

Operating Certificate Number: 26-1203-1999-OPER

Tank Numbers	Description	Fee Amount
ADFJB ADFJC	2 Tank(s) at $85.00 ea =	$170.00

AMOUNT DUE: $170.00

- **The annual UST compliance fee for 2003 is $85 per tank compartment.** Even if the tank is out of use the $85 fee is owed each year until the tank is permanently decommissioned. This fee was established by the 2001 Oregon State Legislature.
- Tanks are not permanently decommissioned until the Department has received the UST decommissioning checklist form and the UST decommissioning/change-in-service form which is due within 30 days after decommissioning.
- This invoice must be paid by the due date shown. If the fee is not paid the operating certificate may be terminated. In order to receive fuel deliveries in the State of Oregon, you must have a valid operating certificate.
- **A late fee of $35.00 will be applied to the unpaid balance if full payment is not received at the Department by the due date.**
- Please leave a message on the toll free in Oregon UST HELPLINE (1-800-742-7878) if you would like to discuss your fee assessment, a change in ownership or other issues. Your call will be returned by the next business day. If you are calling from outside of Oregon please contact Steve Paiko at (503) 229-6652.

Please detach at perforation and return this portion with payment

Remit and make checks payable to:

Dept. of Environmental Quality
Attn: Business Office
811 SW Sixth Avenue
Portland, OR 97204-1390

Facility Name: TOSCO - PORTLAND TERMINAL
Facility Number: 1203
Address ID: 143097

Check box if your address has changed and complete back of invoice: ☐

Check box if the facility has been sold and complete back of invoice: ☐

Invoice Due Date: 02/17/2003
Amount Due: $170.00

Invoice Number: UST03-00278

Amount Enclosed: $170.00

Enter change of address below:

(Organization Name)

(Contact Name)

(Address)

(City, State, Zip)

(Phone)

Enter new owner information below:

Conoco Phillips
(Organization Name)

Same
(New Owners Name)

5528 NW Doane Ave.
(Address)

Portland, OR 97210
(City, State, Zip)

503 248 1533
(Phone)

001167 021017 4

This check was issued by ConocoPhillips Company

DATE	INVOICE(DESCRIPT)	CO	DOCUMENT NO.	GROSS	DISCOUNT	NET
01/09/03		LL	1200001067 USD	170.00	0.00	170.00

INVOICE # UST03-00278 FAVILITY #1203
ADDRESS ID: 143097

PAYEE NUMBER	CHECK DATE	CHECK NO	CHECK AMOUNT
129670	01/10/2003	102432	170.00

If you have questions about this check, call (918)661-5746.

FORM 15750-N 11-00

THIS IS WATERMARKED PAPER - DO NOT ACCEPT WITHOUT NOTING WATERMARK - HOLD TO LIGHT TO VERIFY WATERMARK

VOID VOID VOID VOID VOID

ARVEST BANK

ConocoPhillips Company
Houston, TX

129670 01/10/2003 102432 $*******170.00*

PAY TO THE ORDER OF EXACTLY ****170 US Dollars and 00 Cents****

STATE OF OREGON
811 SOUTHWEST 6TH AVENUE
PORTLAND, OR 97204-1305

Treasurer

⑈00102432⑈ ⑆103100823⑆ 0057277⑈

COPPOR00002184

ConocoPhillips

ConocoPhillips Company
Health, Safety & Environmental Department
5528 N W Doane Avenue
Portland, OR 97210

Certified Mail 7005 3110 0002 7889 8119

January 7, 2008

Oregon Department of Environmental Quality
Business Office
811 SW Sixth Avenue
Portland, Oregon 97204

RE: Permit No. 26-2026 Renewal Application and Modification Request
ConocoPhillips Portland Terminal
5528 NW Doane Avenue, Portland, Oregon

Dear Sir,

Please find enclosed two (2) copies of our application for renewal and modification of Air Contaminant Discharge Permit No. 26-2026 for the ConocoPhillips Portland Terminal located at 5528 NW Doane Avenue, Portland, Oregon. Also enclosed is a check for $360 for the non-technical modification fee.

ConocoPhillips appreciates DEQ's assistance relative to our air permitting issues at the Portland Terminal. Please contact the undersigned at (503) 248-1552 if you have any questions concerning our permit renewal or modification request.

Sincerely,

William H. Collins
Environmental Coordinator

cc: David Kauth - DEQ
Tom Lyons - Portland Terminal

1-86 S

ADMINISTRATIVE INFORMATION

DEQ Use Only		
Region Office:	Check No.:	Source Number 26-2026
Application No.:	Amount:	
	Date Received:	

1. Company		2. Facility Location	
Legal Name:	ConocoPhillips Company	Name:	ConocoPhillips Portland Terminal
Ownership type:	Corporation	Plant start date:	Jan 1, 1908
Mailing Address:	5528 NW Doane Avenue	Street Address:	Same
City, State, Zip Code:	Portland, Oregon 97210	City, County, Zip Code:	Same
Number of employees: (corporate)	40	Number of employees: (plant site)	40

3. Site Contact Person		4. Invoice Contact Person:	
Name:	Bill Collins	Name/Title:	Tom Lyons - Facility Supervisor
Title:	Environmental Coordinator	Address:	5528 NW Doane Avenue, Portland, OR
Telephone number:	503--248-1552	Telephone number:	503-248-1572
Fax. number:	503-248-1592	Fax number:	503-248-1522
e-mail address:	William.H.Collins@conocophillips.co	e-mail address:	thomas.lyons@conocophillips.com

5. Permit Action:

- ○ New Simple ACDP
- ○ New Construction ACDP
- ○ New Standard ACDP
- ○ New Standard ACDP (PSD/NSR)
- ○ Renewal of an existing permit without changes
- ◉ Renewal of an existing permit with changes
- ○ Modification of existing permit

6. Industrial Classification Codes

SIC: 5171

NAICS: 424710

7. Other DEQ Permits

NPDES Stormwater Discharge Permit 1200-Z

8. Signature

I hereby apply for permission to discharge air contaminants in the State of Oregon, as stated or described in this application, and certify that the information contained in this application and the schedules and exhibits appended hereto, are true and correct to the best of my knowledge and belief.

Tom Lyons	Facility Supervisor - 503-248-1572
Name of official (Printed or Typed)	Title of official and phone number
Tom Lyons	January 7, 2008
Signature of official	Date

FEE INFORMATION
(Make the check payable to DEQ)

Note: The initial application fees and annual fees specified below (OAR 340-216-0020, Table 2, Parts 1 and 2) are only required for initial permit applications. These fees are not required for an application to renew or modify an existing permit. The appropriate specific activity fee(s) specified below (OAR 340-216-0020, Table 2, Part 3) applies to permit modifications or may be in addition to initial permit application fees.

OAR 340-216-0020, Table 2, Part 1 – INITIAL PERMITTING APPLICATION FEES:	
Short Term Activity ACDP	
Simple ACDP	
Construction ACDP	
Standard ACDP	
Standard ACDP (PSD/NSR)	
OAR 340-216-0020, TABLE 2, PART 2 - ANNUAL FEES:	
Simple ACDP – Low fee class	
Simple ACDP – High fee class	
Standard ACDP	
OAR 340-216-0020, TABLE 2, PART 3 - SPECIFIC ACTIVITY FEES:	
Non-technical permit modification	$360.00
Non-PSD/NSR basic technical permit modification	
Non-PSD/NSR simple technical permit modification	
Non-PSD/NSR moderate technical permit modification	
Non-PSD/NSR complex technical permit modification	
PSD/NSR modification	
Modeling review (outside PSD/NSR)	
Public hearing at applicant's request	
State MACT determination	
Compliance Order Monitoring	
TOTAL FEES	$360.00

SUBMIT TWO COPIES OF THE COMPLETED APPLICATION TO:

New or Modified Permits (include fees):	Permit Renewals (no fees):
Oregon Department of Environmental Quality Business Office 811 SW Sixth Avenue Portland, OR 97204-1390	Oregon Department of Environmental Quality Air Quality Program, Western Region Office 750 Front Street NE, Suite 120 Salem, Oregon 97301-1039

FOR DEQ USE ONLY	
Permit Number:	Date Received :
Application No:	Regional Office:
Check No.	**Amount $**

1. Company		**2. Facility Location**	
Legal Name:	ConocoPhillips Company	Name:	ConocoPhillips Portland Terminal
Mailing Address:	5528 NW Doane Avenue	Street Address:	Same
City, State, Zip Code:	Portland, Oregon 97210	City, County, Zip Code:	Same
3. Site Contact Person		Telephone number:	503-248-1552
Name:	Bill Collins	Fax. number:	503-248-1592
Title:	Environmental Coordinator	e-mail address:	William.H.Collins@conocophillips.com

4. **Describe the permit modification, including revisions to permit conditions, if necessary.**

Sections 1.1 and 1.2 of the existing permit define visible (i.e., opacity) and particulate matter emissions limitations. The existing permit, however, does not define methods for evaluating opacity and particulate matter emissions, nor does it define a monitoring frequency necessary to document continued compliance with these limitations. Furthermore, the boilers at the Portland Terminal are primarily fired by natural gas which makes exceeding the emission limitations for visible and particulate matter emissions unlikely. No.2 diesel fuel can be used to fire the boilers, but such use is infrequent and would generally occur only when natural gas is unavailable or too expensive. ConocoPhillips requests that the current permit be modified to define to the methods to be used and the frequency at which monitoring be conducted to ensure compliance with the visible and particulate matter emissions limitations.

5. Signature

I hereby apply for permission to discharge air contaminants in the State of Oregon, as stated or described in this application, and certify that the information contained in this application and the schedules and exhibits appended hereto, are true and correct to the best of my knowledge and belief.

Tom Lyons	Facility Supervisor - 503-248-1572
Name of official (Printed or Typed)	Title of official and phone number
Tom Lyons	January 7, 2008
Signature of official	Date

6. **Fee Information: (Make the check payable to DEQ)**

Non-technical permit modification (OAR 340-216-0020, Table 2, Part 3)

7. **Where to send the application:** Submit two copies of the completed application along with the fees to the Oregon Department of Environmental Quality Business Office at 811 SW Sixth Avenue, Portland, OR 97204-1390.

000052 331206

4

This check was issued by ConocoPhillips Company

DATE	INVOICE(DESCRIPT)	CO	DOCUMENT NO.	GROSS	DISCOUNT	NET
01/03/08		G9	1200000157 USD	360.00	0.00	360.00
air permit renewal						

PAYEE NUMBER	CHECK DATE	CHECK NO	CHECK AMOUNT
129670	01/04/2008	00686572	360.00

If you have questions about this check, call (918)661-5746
or logon to https://vis.conocophillips.com.

17-15750 N, 11-05

THIS IS WATERMARKED PAPER - DO NOT ACCEPT WITHOUT NOTING WATERMARK - HOLD TO LIGHT TO VERIFY WATERMARK

Deutsche Bank Trust Company Delaware

ConocoPhillips Company
Houston, TX

62-38/311
Check No 00686572

129670 01/04/2008 00686572 $*******360.00

PAY TO THE ORDER OF EXACTLY ***360 US Dollars and 00 Cents***

STATE OF OREGON
811 SOUTHWEST 6TH AVENUE
PORTLAND, OR 97204-1305

Treasurer

⑈00686572⑈ ⑆031100380⑆ 0053806 2⑈

COPPOR00002189

DEPARTMENT OF ENVIRONMENTAL QUALITY
LAND USE COMPATIBILITY STATEMENT (LUCS)

WHAT IS A LUCS? The LUCS is the process DEQ uses to determine that DEQ permits and other approvals that affect land use are consistent with the local government comprehensive plan.

WHY IS A LUCS REQUIRED? Oregon law requires that state agency activities that impact land use be consistent with local comprehensive plans. DEQ Division 18 administrative rules identify agency actions that are defined as programs affecting land use. These programs must have a process for determining local plan consistency.

WHEN IS A LUCS REQUIRED? A LUCS is required for nearly all DEQ permits, some general permits, and certain approvals of plans or related activities that affect land use. These activities are listed in this form. In cases where a source needs more than one DEQ permit or approval, a single LUCS may be used.

A permit modification requires a LUCS when:
- there is a physical expansion on the property or the use of additional land is proposed
- there is a significant increase in discharges to water
- there is a relocation of an outfall outside of the source property, or
- there is any physical change or change of operation of an air pollutant source that results in a net significant emission rate increase as defined in OAR 340-28-110.

A permit renewal requires a LUCS if one has not previously been submitted, or if one of the above four permit modification factors apply.

HOW TO COMPLETE A LUCS:
- The LUCS form is included in the DEQ permit application or approval packet.
- Applicant fills out Section 1 of the LUCS and then submits it to the city or county planning office.
- The local planning office determines if the business or facility meets all local planning requirements.
- The local planning office must attach written findings of fact for local reviews or other necessary planning approvals that are required of the applicant.
- The applicant includes the completed LUCS and attachments with the permit application or approval request submittal.

WHERE TO GET HELP: Questions on the LUCS are to be directed to region staff responsible for processing the source permit or other approval application or, to Management Services Division at 800-452-4011 or (503) 229-6408.

SECTION 1 - TO BE FILLED OUT BY APPLICANT

1. Name of applicant Tesco Portland Terminal Contact person ~~Dennis Coey~~ JOHN SHERMAN
Telephone (503) 248-1538

NOTE

Mailing address: P.O. Box 76, Portland, OR 97207

Location address: 5528 NW Doane Ave., Portland, OR 97210

DOCK PLANT

Name Facility: R94118 0040 4 1EAST 1NORTH 18

Tax Acct.# R94119 0160 Tax Lot # 16 Township 1EAST Range 1NORTH Section 19

Latitude 45° 34' 20" Longitude 122° 44' 08"

2. Describe type of business or facility and the services or products provided:
The Tesco Portland Terminal is a bulk storage and distribution facility. The terminal includes receiving, storing, producing and distributing refined petroleum products, motor oils, industrial lubricants, greases and intermediate fuel oils.

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3. Circle the type of DEQ permits or approvals being applied for at this time:

Air Notice of Const.	SW Compost Regst-Permit	Wastewater/Sewer Facility Plan ***
Air Discharge Permit*	SW Letter Authorization Permit	WQ NPDES/WPCF Permit **
Title V Air Permit	SW MRF Permit	WQ Stormwater General Permit
Air Indirect Source Permit	SW Trans. Station Permit	Other WQ General Permit #_****
Parking/Traffic Circ. Plan	SW Waste Tire Storage Permit	Fed. Permit WQ Cert.
SW Disposal Permit	HW/PCB Storage/Trmt/Disch Permit	Pollution Control Bond Request
SW Treatment Permit	Wastewater Revolving Loan Request	

* *excluding portable facility permits* ** *for onsite const-installation permits use DEQ form F:\WLANDUSE.OSS*
*** *includes review of plan changes that require use of new land* **** *general permits, 600, 700, 1200CA, and 1500 are exempt.*

4. This application is for a: new permit ✓ permit renewal___ permit modification___ other_____

SECTION 2 - TO BE FILLED OUT BY CITY OR COUNTY PLANNING OFFICIAL

5. The facility proposal is located: X inside city limits ___inside UGB ___ outside UGB

6. Name of city or county that has land use jurisdiction*: City of Portland
**Jurisdiction means the legal entity that is responsible for land use decisions for the subject property or land use.*

7. The business or ~~facility~~ use complies with all applicable local land use requirements: ✓ yes ___no

7a. List all local reviews or approvals that were required of the applicant before the LUCS consistency was determined *(This does not include past requirements that do not relate to the pending DEQ permit request.)*:
The zone is IH/IHi. Manufacturing and Production as well as Warehouse and Freight Movement are both allowed uses in the Heavy Industrial zone. No new development is proposed with this permit. Any new development is subject to IH development standards and may require greenway review.

7b. If no, identify reasons for noncompliance, or list requirement(s) that the applicant must comply with before LUCS consistency can be determined:

7c. Is local government currently processing remaining requirements to attain LUCS consistency: ___yes X no
Anticipated date of decision _____

7d. Is a public notice and hearing required ? ___yes X no hearing date _____

8. Planning official reviewer's telephone number: 823-7840

SIGNATURES

[signature] MICHELLE SEWARD Title TECHNICIAN Date 8 Dec 97
Planning Official print planning official's name

_____ _____ Title_____ Date_____
Planning Official print planning official's name
(depending upon city/county agreement on jurisdiction outside city limits but within UGB)

ATTENTION: A LUCS approval cannot be accepted by DEQ until all local requirements have been met. Written findings of fact for all local decisions addressed under 7 thru 7b must be attached to the LUCS.

F:\LAND_USE \LUCSWORD2.DOC

Bureau of Planning
City of Portland
Permit Center
1120 SW Fifth Ave.
Portland, OR 97204-1988

1300-J NPDES PERMIT
SEPARATORS #001, #002 AND #004

Monitoring Requirements:

1. Daily
   a. Visual observations
      (1) Color and/or foam
      (2) Oil and grease sheen
   b. Estimate
      (1) Flow

2. Bi-monthly (minimum frequency)*
   a. Grab sample:
      (1) Oil and grease (daily maximum: 15 mg/L; monthly average: 10 mg/L)
      **oil and grease sample is required whenever oily discharges are occurring and whenever there is a discharge from the oil/water separator*

3. Quarterly
   a. Grab sample:
      (1) Oxygenated fuel additives (ethanol)*
      **required during quarters when ethanol is on site in bulk quantities*

4. Semi-annual
   a. Grab sample:
      (1) pH
      (2) Oil and grease
      (3) Total Phosphorus
      (4) COD (chemical oxygen demand)
      (5) TOC (total organic compound)
      (6) Metals (Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Nickel and Zinc)
      (7) TSS (Total suspended solids)

Reporting Requirements:

1. Monthly:
   a. Monitoring reports submitted on a Discharge Monitoring Report (DMR)*
      **Submit copy of DRM to both the DEQ and the city of Portland by the 15th of the month following the monitoring period.*

AUTOMATIC EXTENTION WHEN RENEWAL WAS FILED. J.S

FILED BY SANDY MATTHEWSON

GENERAL PERMIT

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

WASTE DISCHARGE PERMIT

Department of Environmental Quality
811 S.W. Sixth Avenue
Portland, OR 97204
Telephone: (503) 229-5696

Issued pursuant to ORS 468B.050 and The Federal Clean Water Act

ISSUED TO:

Issued 12-24-97 GEN13J MULTNOMAH/NWR
File No. 90845 OR000138-4

Tosco Corporation
5528 NW Doan Avenue
Portland OR 97210
Site: Portland Terminal

SOURCES COVERED BY THIS PERMIT:

Storm water runoff, or water bottoms from facilities storing, transferring, formulating and/or packaging bulk petroleum products or vegetable oils; motor pools, and other facilities with oily discharges

Michael Downs, Administrator
Water Quality Division

DEC 2 2 1994
Date

PERMITTED ACTIVITIES

Until this permit expires or is modified or revoked, the permittee is authorized to discharge to public waters adequately treated wastewater only from the authorized discharge point or points established in Schedule A and only in conformance with all the requirements, limitations, and conditions set forth in the attached schedules as follows:

Page

Schedule A - Waste Discharge Limitations not to be Exceeded.....2-7
Schedule B - Minimum Monitoring and Reporting Requirements.....8-10
Schedule C - Compliance Conditions and Schedules.....11
Schedule D - Special Conditions..... 12
General Conditions.....13-21

Each other direct and indirect waste discharge to public waters is prohibited unless covered by another NPDES permit.

SCHEDULE A

1. Waste Discharge Limitations not to be Exceeded by Facilities Covered by this General Permit

Parameters	Limitations Monthly Average mg/l	Daily Maximum mg/l
Oil and Grease	10	15

2. Notwithstanding the effluent limitations established by this permit, no wastes shall be discharged and no activities shall be conducted which will violate Water Quality Standards as adopted in OAR Chapter 340 Division 41 except in the following defined mixing zone:

   The allowable mixing zone shall not extend beyond 25 feet from the point of each discharge to public waters. For discharges to storm sewers, the allowable mixing zone shall not extend beyond 25 feet from the point where the storm sewer intersects public waters.

3. Any facility which collects, treats and discharges wastewater to a municipally owned "storm sewer" may require a permit or other approval from the municipality. No discharge is allowed by this permit without that prior approval.

4. An adequate contingency plan for prevention and handling of spills and unplanned discharges shall be in force at all times. All areas where bulk petroleum or vegetable oil tanks are located shall be bermed to prevent discharge of product to surface waters or groundwater in the event of a tank rupture or overfill. All bermed area drains must be valved. Unless otherwise approved in writing by the Department, valves must be kept closed unless water is being drained from the enclosure. An adequate inventory of spill cleanup equipment must be readily available to areas where bulk petroleum or vegetable oil products are stored.

5. Except as provided below, all oily waters shall be collected and provided adequate treatment through an oil/water separation device prior to discharge to public waters or storm sewers leading to public waters.

6. Floating matter and settled matter shall be removed as necessary from oil/water separation devices to assure their efficient operation at all times. All floating matter and grit or other settled matter removed from the oil/water separator or otherwise collected on site shall be disposed in a manner and location approved by the Department.

The following activities (Condition 7) are Permitted without registering with the DEQ. However, violation of water quality standards, including causing an oily sheen on public waters, is not permitted. Any facility found to be adversely affecting water quality will be required to register with DEQ and comply with Condition 2 of Schedule C of this permit, and is subject to possible enforcement action.

7. Facilities where the only source(s) of discharge is(are) from:

   a. Storm water runoff which contacts oil-filled electrical equipment in transformer substations which are equipped with oil spill prevention measures such as containment areas and/or oil/water separators.

   b. Storm water runoff which contacts petroleum product receiving or dispensing areas and/or product dispensing equipment, whether or not the discharge is treated by an oil/water separator.*

   c. Storm water which collects in a secondary containment area at a petroleum product dispensing site, where the secondary containment area is associated with storage tanks from which product is dispensed only to final users, and the discharge from the containment area is treated by an oil/water separator.*

   d. Storm water which collects in a secondary containment area at a bulk petroleum product storage site, where the total storage capacity at the site does not exceed 150,000 gallons, and the discharge from the containment area is treated by an oil/water separator. A site with multiple containment areas is considered a single site for determining total storage capacity.

* Conditions 7b and 7c are generally intended to cover retail and/or fleet fueling stations where the only fuel dispensing that occurs is to the final user of the fuel; it is not intended to cover bulk storage facilities or facilities where product is transferred to delivery vehicles.

<u>Definitions</u>

"Product dispensing equipment" means the pump/hose/nozzle/meter assembly used to dispense product.

A "product dispensing site" means a site where product is dispensed for final use; e.g., a vehicle fueling station.

"Secondary containment area" means a containment area for a tank or tanks, intended to prevent a release to the environment in the event of an accidental release of product.

The following conditions (8 through 11) are in addition to conditions 1 through 6 above, and apply to facilities covered by this permit that perform vehicle maintenance (including vehicle rehabilitation, mechanical repairs, painting, fueling and lubrication) and/or equipment cleaning operations in locations where storm water is likely to become contaminated by wastes resulting from the maintenance or cleaning activity. These conditions do not apply to those facilities covered by condition 7.

Controls and Limitations for Storm Water Discharges

8. The Permittee shall prepare and implement a **Storm Water Pollution Control Plan (SWPCP)**. For facilities which employ 10 people or more, the SWPCP shall be prepared by or reviewed and stamped by a registered engineer or architect. The SWPCP shall include at least the following items:

   a. Site Description. Each plan shall, at a minimum, provide the following:

      (1) A description of the nature of the industrial activities conducted at the site, including a description of "significant materials" (see Definitions) that are treated, stored or disposed of in a manner to allow exposure to storm water; and the methods of treatment, storage or disposal.

      (2) A general location map showing the location of the site in relation to major transportation routes, surface waters and other relevant features.

      (3) A site map indicating: drainage patterns, each drainage and discharge structure; an outline of the drainage area of each storm water outfall; paved areas and buildings within the drainage area of each discharge point; areas used for outdoor manufacturing, storage or disposal of significant materials; each existing structural control measure for reducing pollutants in storm water runoff; materials loading and access areas; hazardous waste storage or disposal facilities; location of wells (including waste injection wells, seepage pits, dry wells, and etc.), springs, wetlands and other surface water bodies.

      (4) 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.

      (5) For each area of the site which generates storm water associated with site activities and where a reasonable potential exists for contributing significant amounts of pollutants to storm water runoff, identify the potential pollutants which could be present in storm water discharge.

(6) The name(s) of the receiving water(s), or if the discharge is to a municipal separate storm sewer, the name of the municipal operator of the storm sewer and the ultimate receiving waters.

(7) Identify the discharge outfalls and the point or points where storm water monitoring will occur as required by this permit.

(8) A certification that all storm water outfalls associated with industrial activities have been evaluated for the presence of non-storm water discharges not otherwise covered by a NPDES permit and description of the method used to evaluate for the presence of non-storm water discharges.

(9) Description of any leaks or spills or other instances of storm water contamination occurred at the facility within the last three (3) years.

b. Controls. Each operator covered by this permit shall develop a description of controls appropriate for the site and a time line for implementing such controls. The following minimum components shall be addressed along with a schedule for implementation:

(1) Storm Water Management - The plan shall contain a narrative description of the materials and storm water management practices employed or scheduled for employment, to minimize contact of significant materials with storm water runoff; structural and non-structural control measures to reduce pollutants in storm water runoff; treatment (if any) and ultimate disposal of solid or fluid wastes other than by surface discharge. In developing the plan the permittee shall consider but not be limited to the following management practices:

A. Containment - All hazardous chemicals shall be stored within berms or other secondary containment devices to prevent leaks and spills from entering storm water runoff.

B. Oil & Grease Separation - Oil/water separators, booms, skimmers or other methods should be employed to minimize oil contaminated storm water discharge.

C. Waste Chemical Disposal - Waste chemicals such as antifreeze, degreasers, used oils, and etc. shall be recycled or disposed of in an approved manner and in a way which prevents them from entering storm water discharges.

D. Debris & Sediment Control - Screens, booms, sediment ponds or other methods should be employed to reduce debris and sediment in storm water discharge.

E. Storm Water Diversion - Wherever possible, storm water should be diverted away from materials manufacturing, storage and other areas of potential storm water contamination.

F. Covered Storage or Manufacturing Areas - Wherever practicable, fueling operations, materials manufacturing and storage areas should be covered to prevent contact with storm water.

(2) Spill Prevention and Response Procedures - Areas where potential spills of significant materials can impact storm water runoff and their associated drainage points shall be clearly identified. Methods to prevent spills along with cleanup and notification procedures shall be identified in the plan and made available to the appropriate personnel. The required cleanup equipment must be on site or readily available.

(3) Preventive Maintenance - A preventive maintenance program should be implemented to insure the effective operation of materials management facilities, structural and non-structural control facilities, and any treatment facilities used to comply with the requirements of this permit. The preventive maintenance program should include the following:

A. Areas where potential spills of significant materials could impact storm water runoff, control structures, and any treatment facilities should be inspected monthly during the rainfall season.

B. A regular program of cleaning and repairing storm water control structures, treatment facilities, and materials handling and storage facilities should be conducted throughout the rainfall season.

(4) Employee Education - An employee awareness program should inform personnel of the components and goals of the SWPCP, and address spill response procedures, good housekeeping and materials management practices.

(5) Record Keeping and Internal Reporting Procedures - Incidents of spills or leaks of significant materials which could impact storm water runoff, along with corrective actions, surface water discharge (if any), and other relevant information should be included in the plant records. Inspection and maintenance activities such as cleaning and repairing storm water control and treatment facilities should also be documented and recorded.

(6) Annual Plan Review - A full plan review should be made by the permittee annually, prior to the onset of the rainfall season. The plan review should include a complete site inspection of all areas where potential spills of significant materials can impact storm water runoff. The SWPCP should be updated as necessary.

9. The Storm Water Pollution Control Plan shall include procedures for meeting any Oregon Administrative Rules (OARs) for storm water control specific to the applicable river basin. These procedures should include a schedule of steps and key milestone dates for implementing monitoring activities, materials management practices, and SWPCP plan components not already in place at the time the permit is issued. No condition of this permit shall release the permittee from any responsibility or requirements under other environmental statutes or regulations.

10. Storm water carrying pollutants regulated by this permit shall not be allowed to discharge to seepage ponds, seepage pits, dry wells, injection wells, or any other on-site disposal facilities if discharge to surface waters is possible. If discharge to surface waters is not possible and on-site disposal methods are used, the storm water discharge limitations and monitoring requirements of this permit shall still apply, in addition to the limitations and restrictions found in **OAR 340-44-050, Waste Disposal Wells for Surface Drainage** and **OAR 340, Division 40, Groundwater Quality Protection.**

11. Specific Storm Water Discharge Limitations (This Limitations apply to each source discharge that is not controlled by an oil/water separator. Point source discharges controlled by an oil/water separator must meet the limitations in Condition 1, Schedule A).

Parameters	Limitations
Oil & Grease	Shall not exceed 10 mg/L
pH	Shall be between 6 and 9

12. No discharge of toxic chemicals in "toxic concentrations" is permitted. Toxic concentrations is defined in the definitions, Section E, Definitions and Acronyms, General Conditions.

13. Allowable Mixing Zone - Notwithstanding the effluent limitations in this permit, no wastes shall be discharged and no activities shall be conducted which will violate applicable water quality standards as adopted in OAR 340, Division 41, except within a mixing zone (in the receiving stream) of a size which would provide a 10:1 dilution of the storm water discharged.

SCHEDULE B

Minimum Monitoring and Reporting Requirements (unless otherwise approved in writing by the Department)

1. Facilities covered by this permit that are listed in Condition 7 of Schedule A of this permit.

   No monitoring or reporting is required.

2. Facilities covered by this permit that only discharge storm water, and no pollutants, such as degreasers, antifreeze, etc., other than oil and grease or fuel additives are likely to be in the discharge, and the discharge is treated with an oil/water separator.

Item or Parameter	Minimum Frequency*	Type of Sample
Oil and Grease	Twice/month	Grab
Oil/Water Separator	Daily	Visual observations**
Flow	Daily when discharging	Estimate
Oxygenated fuel additives***	Quarterly	Grab

3. All other facilities covered by this permit.

Item or Parameter	Minimum Frequency*	Type of Sample
Oil and Grease	Weekly	Grab
Oil/Water Separator	Daily	Visual observations**
Flow	Daily when discharging	Estimate
Oxygenated fuel additives***	Quarterly	Grab

Reporting Procedures

Monitoring results shall be reported on approved forms. The reporting period is the calendar month. Reports shall be submitted to the Department by the 15th day of the following month.

The monitoring reports shall also include dates when the oil/water separator is cleaned, the amount of material removed (in gallons for liquids and cubic feet for solids), and the location where waste materials were disposed.

Monitoring records shall be maintained by the permittee for at least three years.

* The oil and grease sample is required wherever oily discharges are occurring and whenever there is a discharge from the oil/water separator. All collected water in product containment areas must be drained through an oil water separation device.

** Daily observation should include observation of the runoff collection and treatment system, as well as any discharge to public waters, where practicable.

*** Oxygenated fuel additives means ethyl alcohol (ethanol) and/or Methyl-t-Butyl Ether (MTBE). Sampling for either or both of these compounds is required only during calendar quarters when either or both of these compounds is on site in bulk quantities. Sampling need only be done for the specific oxygenated fuel additive(s) actually on site in bulk quantities. Sampling for oxygenated fuel additives is not required if these compounds are on site only in the form of a ready-to-use pre-blended fuel mixture.

The following conditions (4 through 7) are in addition to conditions 1 through 3 above, and apply to facilities covered by this permit that perform vehicle maintenance (including vehicle rehabilitation, mechanical repairs, painting, fueling and lubrication) and/or equipment cleaning operations in locations where storm water is likely to become contaminated by wastes resulting from the maintenance or cleaning activity.

4. Parameters - The permittee shall make visual observations and analyze grab samples of all point source discharges for the following parameters:

A. General Parameters:

i. Color and/or foam (visual observation)
ii. Oil & Grease Sheen (visual observation)+
iii. pH
iv. Oil & Grease (mg/L)
v. Total Phosphorus (mg/L)
vi. COD (mg/L)
vii. TOC (mg/L)
viii. Metals++
ix. Total Suspended Solids (mg/L)

+ Whenever a visible oil sheen is detected in a storm water discharge during a required monthly visual observation, it shall be sampled for Oil & Grease.

++ Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, and Zinc.

B. Other Parameters - Any parameter for which the receiving stream is water quality limited, if the facility discharges storm water to a water quality limited stream with established Total Maximum Daily Loads (TMDL).

5. Frequency of Monitoring - Sampling for compliance with this section shall be conducted two times per year, with samples being collected at least 60 days apart. One of the samples shall be collected during the month in the fall when runoff first occurs. Visual observations of surface drainage areas shall be made monthly, during those months when at least one storm event occurs which produces runoff.

6. Records Retention and/or Reporting - Monitoring results shall be reported in approved forms and shall be submitted to the appropriate Regional Office by July 1 of each year. All records shall be retained by the permittee for at least 3 years.

7. Representative Sampling - All sampling shall be representative of the discharge.

SCHEDULE C

Compliance Conditions and Schedules (unless otherwise approved in writing by the Department)

The following conditions (1 through 4) apply to facilities covered by this permit that perform vehicle maintenance (including vehicle rehabilitation, mechanical repairs, painting, fueling and lubrication) and/or equipment cleaning operations in locations where storm water is likely to become contaminated by wastes resulting from the maintenance or cleaning activity.

1. Within 180 days of receiving this permit*, the permittee shall complete a Storm Water Pollution Control Plan (SWPCP) as required by Condition 8, Schedule A.

2. The permittee shall be in compliance with the SWPCP and the effluent limitations in this permit within 360 days of receiving this permit*.

3. The permittee is expected to meet the compliance dates which have been established in this schedule. Either prior to or no later than 14 days following any compliance date, the permittee shall submit to the Department a notice of compliance or noncompliance with the established schedule. The Department may revise a schedule of compliance if good and valid cause over which the permittee has little or no control has been determined.

4. For new facilities, the SWPCP shall be prepared and implemented prior to startup of the facility.

* If this source was previously covered by a Series 1200 General Permit for storm water, the compliance schedule in that permit preempts this schedule.

SCHEDULE D

Special Conditions

The following conditions (1 through 5) apply to facilities covered by this permit that perform vehicle maintenance (including vehicle rehabilitation, mechanical repairs, painting, fueling and lubrication) and/or equipment cleaning operations in locations where storm water is likely to become contaminated by wastes resulting from the maintenance or cleaning activity.

1. Waste Load Allocation - If storm water monitoring or any other wastewater monitoring at the site indicates that a pollutant parameter, for which a stream is water quality limited, is discharging to a water quality limited stream in significant quantities, the permit may be reopened and a waste load allocation for the pollutant added.

2. Additional Limitations or Monitoring Required - If storm water monitoring indicates that certain pollutants are being discharged in quantities which may be a threat to the water quality of the receiving stream, the permit may be reopened and additional effluent limits and/or monitoring requirements added.

3. Releases in Excess of Reportable Quantities. This permit does not relieve the permittee of the reporting requirements of 40 CFR 117 and 40 CFR 302. The discharge of hazardous substances in the storm water discharge(s) from a facility shall be minimized in accordance with the applicable storm water pollution control plan for the facility required by this permit, and in no case, during any 24-hour period, shall the discharge(s) contain a hazardous substance equal to or in excess of reporting quantities.

4. Disposition of SWPCP - The Storm Water Pollution Control Plan, required by Condition 8, Schedule A, shall be kept at the site and made available to the Department upon request.

5. Reporting to Municipality - Any permitted facility discharging to a municipal storm sewer shall provide the municipality with a copy of the monitoring report required by Schedule B. A copy of the SWPCP shall also be provided the municipality upon request.

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 the Oregon Revised Statutes (ORS) 468B.025 and is grounds for enforcement action; for permit termination; revocation and re-issuance, or modification; or for denial of a permit renewal application.

2. Penalties for Violations of Permit Conditions

Oregon Law (ORS 468.140) allows the Director to impose civil penalties up to $10,000 per day for violation of the terms or conditions of a permit.

Oregon Law (ORS 468B.990) classifies a willful or negligent violation of the terms of a permit or failure to get a permit as a misdemeanor and a person convicted thereof shall be punishable by a fine of not more than $25,000 or by imprisonment for not more than one year, or by both. Each day of violation constitutes a separate offense.

3. Duty to Mitigate

The permittee shall 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 shall 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. Individual NPDES Permit Required

Whenever a facility expansion, production increase, or process modification is anticipated which will result in a change in the character of pollutants to be discharged or which will result in a new or increased discharge that will exceed the conditions of this permit, a NPDES application must be submitted together with the necessary reports, plans, and specifications for the proposed changes. No change shall be made until plans have been approved and an individual NPDES permit has been issued.

5. Permit Actions

The Director may revoke a general permit as it applies to any person and require such person to apply for and obtain an individual NPDES permit if:

a. The covered source or activity is a significant contributor of pollution or creates other environmental problems;

b. The permittee is not in compliance with the terms and conditions of this general permit; or

c. Conditions or standards have changed so that the source or activity no longer qualifies for a general permit.

6. General Permit Coverage

a. Any permittee not wishing to be covered or limited by this general permit may make application for an individual NPDES permit in accordance with NPDES procedures in OAR 340-45-030.

b. This general permit does not cover activities or discharges covered by an individual NPDES permit until the individual permit has expired or been cancelled. Any person conducting an activity covered by an individual permit but which could be covered by this general permit may request that the individual permit be cancelled.

7. Toxic Pollutants

The permittee shall comply with 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.

8. Property Rights

The issuance of this permit does not convey any property rights of any sort, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

SECTION B. OPERATION AND MAINTENANCE OF POLLUTION CONTROLS

1. Proper Operation and Maintenance

The permittee shall 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 includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of the permit.

2. Duty to Halt or Reduce Activity

Upon reduction, loss, or failure of the treatment facility, the permittee shall, 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 shall not be 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 the intentional diversion of waste streams from any portion of a 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 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 unavoidable 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 the permittee could have installed adequate backup equipment to prevent a bypass which occurred during normal periods of equipment downtime or preventative maintenance; and

C. The permittee submitted notices as required under paragraph c of this section.

(2) The Director may approve an anticipated bypass, after considering its adverse effects, if the Director determines that it will meet the three conditions listed above in paragraph b(1) of this section.

c. Notice and request for bypass.

(1) Anticipated bypass. If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible at least ten days before the date of the bypass.

(2) Unanticipated bypass. The permittee shall submit notice of an unanticipated bypass as required in Paragraph D-5, Section D, (24-hour notice).

4. Removed Substances

Solids, sludges, or other pollutants removed in the course of treatment or control of wastewater shall 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 shall be representative of the volume and nature of the monitored discharge. All samples shall be taken at the monitoring points specified in this permit and shall be taken, unless otherwise specified, before the effluent joins or is diluted by any other waste stream, body of water, or substance. Monitoring points shall 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 shall be selected and used to insure the accuracy and reliability of measurements of the volume of monitored discharges. The devices shall 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 shall be capable of measuring flows with a maximum deviation of less than ± 10% 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 Part 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 shall, upon conviction, be punished by a fine of not more than $10,000 per violation, or by imprisonment for not more than 6 months per violation, 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 shall be summarized each month on a Discharge Monitoring Report (DMR) form approved by the Department. The reports shall 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 shall be included in the calculation and reporting of the data submitted in the DMR. Such increased frequency shall also be indicated.

7. Averaging of Measurements

Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean, except for bacteria which shall be averaged based on a geometric or log mean.

8. Retention of Records

The permittee shall 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, or report of application. This period may be extended by request of the Director at any time.

9. Records Contents

Records of monitoring information shall 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 shall allow the Director, or an authorized representative upon the presentation of credentials and other documents as may be required by law, 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 the Clean Water Act, any substances or parameters at any location.

SECTION D. REPORTING REQUIREMENTS

1. Planned Changes

The permittee shall comply with Oregon Administrative Rules (OAR) 340, Division 52, "Review of Plans and Specifications". Except where exempted under OAR 340-52, no construction, installation, or modification involving disposal systems, treatment works, sewerage systems, or common sewers shall be commenced until the plans and specifications are submitted to and approved by the Department. The permittee shall give notice to the Department as soon as possible of any planned physical alterations or additions to the permitted facility.

2. Anticipated Noncompliance

The permittee shall 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 shall be transferred to a third party without prior written approval from the Director. The permittee shall 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 shall be submitted no later than 14 days following each schedule date. Any reports of noncompliance shall 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 shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally (by telephone) within 24 hours from the time the permittee becomes aware of the circumstances. During normal business hours, the Department's Regional Office shall be contacted. A written report shall also be provided within 5 days of the time the permittee becomes aware of the circumstances. The written report shall 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.

The Director may waive the written report on a case-by-case basis if the oral report has been received within 24 hours.

The following shall be included as information which must be reported within 24 hours:

a. Any unanticipated bypass which exceeds any effluent limitation in the permit.

b. Any upset which exceeds any effluent limitation in the permit.

6. Other Noncompliance

The permittee shall report all instances of noncompliance not reported under Paragraphs D-4 and D-5, Section D at the time monitoring reports are submitted unless required otherwise in Schedule B of this permit. The reports shall contain the information listed in Paragraph D-5.

7. Duty to Provide Information

The permittee shall furnish to the Department, within a reasonable time, any information which the Department may request to determine whether cause exists for revoking coverage by this permit, or to determine compliance with this permit. The permittee shall 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 shall promptly submit such facts or information.

8. Signatory Requirements

All applications, reports or information submitted to the Department shall be signed and certified in accordance with 40 CFR 122.22.

9. Falsification of Reports

State law provides that 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 shall, upon conviction be punished by a fine of not more than $10,000 per violation, or by imprisonment for not more than six months per violation, or by both.

SECTION E. DEFINITIONS AND ACRONYMS

1. "BOD_5" means five-day biochemical oxygen demand.

2. "COD" means chemical oxygen demand.

3. "Department" means Department of Environmental Quality

4. "FC" means fecal coliform bacteria.

5. "MGD" means million gallons per day.

6. "mg/L" means milligrams per liter.

7. "mL/L" means milliliters per liter as measured in an Imhoff cone.

8. "Point Source Discharge" means a discharge from any discernible, confined, and discrete conveyance, including, but not limited to, any pipe, ditch, channel, tunnel, or conduit.

9. "Reportable Quantities" means those quantities of hazardous substances listed in Table 117.3 of The Code of Federal Regulations, 40 CFR 117.

10. "Significant material" 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 the facility is required to report pursuant to Section 313 of Title III of SARA; fertilizers; pesticides; and waste products such as ashes, slag and sludge that have the potential to be released with storm water discharges.

11. "TOC" means total organic carbon

12. "TOX" means total organic halides

13. "TSS" means total suspended solids (non-filterable residue).

14. "Toxic concentration" means lethality to aquatic life as measured by a significant difference in lethal concentration between the control and 100 percent effluent in an acute bioassay test.

MW\WC11\WC11760.5 (7 Dec 94)

Oregon
Theodore Kulongoski ., Governor

Department of Environmental Quality
Northwest Region Portland Office
Air Quality Program
2020 SW 4th Avenue, Suite 400
Portland, OR 97201-4987
(503) 229-5554
FAX (503) 229-5265
TTY (503) 229-5471

OCT 1 5 2003

ConocoPhillips Company
Attn: Williams Collins
5528 NW Doane Avenue
Portland, Oregon 97210

Re: Renewal of Air Contaminant Discharge
Permit # 26-2026

The Department of Environmental Quality has completed processing your renewal application for an Air Contaminant Discharge Permit. Based on the material contained in the renewal application we have issued the enclosed permit.

The effective date of the permit is the date it was signed by the regional Air Quality Manager. The signature and date appear on the first page of the document. The permit is issued pursuant to Oregon Revised Statutes 468A and Oregon Administrative Rules (OAR) 340-14-005 through 340-14-050, and 216-0010 through 216-0100.

You may appeal conditions or limitations contained in the attached permit by applying to the Environmental Quality Commission, or its authorized representative, within twenty days from the date of this letter. Appeals are pursuant to ORS Chapter 183 and OAR Chapter 340, Division 14-025(6). Appeal procedures are contained in OAR Division 11-005 through 11-140.

A copy of the current permit must be available at the facility at all times. Failure to comply with permit conditions may result in civil penalties. **You are expected to read the permit carefully and comply with all conditions** to protect the environment of Oregon.

If you have any questions, please contact Greg Grunow at (503) 229-5571.

Sincerely,

Ed Druback
Air Quality Manager
Northwest Region

EJD cab
Enclosure

Cc: Michelle Butler/AQ
Rindy Ramos - Region X
GGG/NWR

DEQ-1

STANDARD

AIR CONTAMINANT DISCHARGE PERMIT

Department of Environmental Quality
Northwest Region
2020 SW 4th Avenue, #400
Portland, Oregon 97201
(503) 229-5554

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

ISSUED TO:

ConocoPhillips Company
5528 NW Doane Ave.
Portland, OR 97210

PLANT SITE LOCATION:

5528 NW Doane
Portland, OR

INFORMATION RELIED UPON:

Application No.: 020449
Date Received: 12/23/2002

LAND USE COMPATIBILITY FINDING:

Approving Authority: City of Portland
Approval Date: 01-25-93

PERMIT PREVIOUSLY ISSUED TO:

Tosco Corporation

ISSUED BY THE DEPARTMENT OF ENVIRONMENTAL QUALITY

Ed Druback, Northwest Region Air Quality Manager

OCT 1 5 2003
Dated

Source(s) Permitted to Discharge Air Contaminants (OAR 340-216-0020):

Table 1 Code	Source Description	SIC
Part B, 32	GasolineTerminal	5171

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1.0 GENERAL EMISSION STANDARDS AND LIMITS

1.1. Visible Emissions

The permittee must comply with the following visible emission limits, as applicable:

a. Emissions from fuel burning equipment must not exceed an opacity equal to or greater than 20% for a period aggregating more than 3 minutes in any one hour.

b. Emissions from any air contaminant source other than fuel burning equipment must not equal or exceed 20% opacity for a period aggregating more than 30 seconds in any one hour.

1.2. Particulate Matter Emissions

The permittee must comply with the following particulate matter emission limits, as applicable:

a. Particulate matter emissions from any burning equipment must not exceed 0.1 grains per standard cubic foot, corrected to 12% CO_2 or 50% excess air.

b. Particulate matter emissions from fuel burning equipment must not exceed the emission rate shown in Figure 1 of OAR 340-208-0610 as a function of the maximum heat input when using all other fuels except natural gas and LPG.

1.3. Nuisance and Odors

The permittee must not cause or allow air contaminants from any source to cause a nuisance. Nuisance conditions will be verified by Department personnel.

1.4. Fuels and Fuel Sulfur Content

The permittee must comply with the following fuel and fuel sulfur content requirements:

a. The permittee must not use any fuel other than natural gas, propane, butane, ASTM grade fuel oils, or on-specification used oil.

b. The permittee must not sell, distribute, use (combust), or make available for use within the state of Oregon, any fuel oil which exceeds the following sulfur content limitations unless exempted in item below:

i. 0.3% sulfur by weight for ASTM Grade 1 distillate oil;

ii. 0.5% sulfur by weight for ASTM Grade 2 distillate oil;

iii. 1.75% sulfur by weight for residual oil;

iv. The permittee must note on the bill of lading or custody transfer document the following statement " Fuel oil or residual oil with sulfur content above 1.75% by weight may not be used within the State of Oregon."

c. Exemptions from the requirements of Condition 1.4.b above:

i. Fuels used exclusively for the propulsion and auxiliary power requirements of vessels, railroad locomotives, and diesel motor vehicles.

ii. With prior approval of the Department of Environmental Quality, fuels used in such a manner or control provided such that sulfur dioxide emissions can be demonstrated to be equal to or less than those resulting from the combustion of fuels complying with the limitations of Condition 1.4.b above.

d. The permittee is allowed to use on-specification used oil as fuel provided it contains no more than 0.5% sulfur by weight. The permittee must obtain analyses from the marketer or, if generated on site, have the used oil analyzed, so that it can be demonstrated that each shipment of oil does not exceed the used oil specifications contained in 40 CFR Part 279.11, Table 1.

2.0 SPECIFIC PERFORMANCE AND EMISSION STANDARDS

2.1. Refined Products Truck Loading Rack

Pursuant to OAR 340-232-0085 through 0100, the permittee must observe the following conditions of operation for the truck loading rack:

a. The permittee must not allow volatile organic compounds (VOC) to be emitted into the atmosphere in excess of 80 milligrams of VOC per liter of gasoline loaded (0.67 lb VOC/1000 gal gasoline loaded) from the loading of truck tanks and truck trailers at the bulk gasoline terminal.

b. Gasoline may only be transferred between the loading rack and a truck tank or a truck trailer when a current Oregon leak test certification form for the delivery vessel (tank truck or trailer) is on file with the terminal or a valid Oregon delivery vessel certification sticker is verified to

be displayed on the delivery vessel.

c. All displaced vapors and gases from the delivery vessel must be vented only to the vapor recovery/control system.

d. All equipment associated with the vapor recovery/control system must be maintained to be vapor-tight and in good working order.

e. Each loading device must be designed and operated to allow no more than 10 cubic centimeters drainage per disconnect on the basis of five consecutive disconnects.

f. There must be no visible liquid gasoline leaks during loading or unloading operations.

g. All gasoline loading lines must be equipped with fittings which make vapor-tight connections and which close automatically and immediately when disconnected.

h. All vapor lines must be equipped with fittings which make vapor-tight connections and which close automatically and immediately when disconnected or which contain vapor-tight unidirectional valves.

i. The vapor collection system must be maintained and operated in a manner to prevent the pressure therein from exceeding a pressure of 18 inches of water gauge or a vacuum of 6 inches of water gauge, at the tank truck or trailer.

j. During periods when the loading rack is not operated by the permittee, the permittee's responsibility shall be defined in a letter of agreement on file at the terminal, signed by the person (or their agent) who will operate the truck loading rack, confirming compliance with the above conditions.

k. "Vapor tight" as used in this condition means: using an explosimeter, no reading may equal or exceed 100 percent of the lower explosive limit (LEL, measured as propane), measured at 2.5 centimeters from any point on the perimeter of a potential leak source.

2.2. Marine Vessel Loading

Pursuant to OAR 340-232-0110, the permittee must observe the following conditions of operation for marine vessel loadings:

a. The permittee is prohibited from loading gasoline onto marine tank vessels unless loading emissions are controlled pursuant to OAR 340-232-0110.

b. The permittee is prohibited from loading any liquid

product onto a marine tank vessel whose previous cargo was gasoline unless loading emissions are controlled pursuant to OAR 340-232-0110.

2.3. Storage Tanks

Fixed roof storage tanks having capacities greater than 150,000 liters (approx. 39,000 gallons), storing volatile organic compound liquids with true vapor pressures (determined in accordance with methods described in American Petroleum Institute Bulletin 2517, Evaporation Loss from External Floating-Roof Tanks), as stored, of greater than 1.52 psia at actual monthly average storage temperatures, must meet the following conditions:

a. The fixed roof storage tanks must be equipped with an internal floating cover equipped with a continuous closure device (primary seal) between the tank wall and the cover edge. The primary seal must be a minimum of a nonmetallic resilient seal.

b. The cover is to be floating at all times, (i.e., off the leg supports) except during initial fill and when the tank is completely emptied and subsequently refilled. The process of emptying and refilling when the cover is resting on the leg supports must be continuous and is to be accomplished as rapidly as possible.

c. Each opening in the cover except for automatic bleeder vents and the rim space vents is to provide a projection below the liquid surface.

d. Each opening in the cover except for automatic bleeder vents, rim space vents, stub drains and leg sleeves is to be equipped with a cover, seal, or lid which is to be maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use.

e. All tank gauging and sampling devices must be gas-tight except when gauging or sampling is taking place; except for slotted gage wells which must have floating seals with one half inch edge gaps or less.

f. All seals are to be maintained in good operating condition and the seal fabric may contain no visible holes, tears or other openings.

g. Automatic bleeder vents are to be closed at all times when the cover is floating except when the cover is being floated off or is being landed on the leg supports.

h. Rim vents are to be set to open only when the cover is being floated off the leg supports or at the manufacturer's

recommended setting.

i. The permittee must not store any volatile organic compound liquid with a true vapor pressure, as stored, of greater than 570 mm Hg (11.1 psia), unless the respective storage tank is equipped with a vapor recovery system or its equivalent.

2.4. 40 CFR 60 Subpart Kb (NSPS)

The permittee must comply with the following applicable requirements of federal regulations for New Source Performance Standards (NSPS) 40 CFR 60 Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984:

a. For all NSPS Subpart Kb tanks (tanks with a capacity ≥ 40 m^3 [10,566 gallons], constructed after July 23, 1984 and used to store volatile organic liquids) owned/operated by the permittee at the time of permit application, the permittee must maintain a permanent record of each tank's dimensions and an analysis of each tank's storage capacity.

b. For all NSPS Subpart Kb subject tanks owned/operated by the permittee at the time of permit application, with storage capacities greater than 75 m^3 (19,813 gallons), the permittee:

i. is exempt from any additional provisions of the Subpart if the subject tank(s) stores a volatile organic liquid with a maximum true vapor pressure less than 15.0 kPa (2.18 psia).

ii. must comply with the monitoring requirements of 40 CFR §60.116b(c), (d), and (f) if it stores a volatile organic liquid with a maximum true vapor pressure ≥ 15.0 kPa (2.18 psia).

c. If the permittee installs any new tank while operating under this permit, it must provide notice to the Department as required in Condition 7.4 of this permit. In addition, the permittee must comply with all requirements of 40 CFR 60 Subpart Kb, as applicable, for any new NSPS Subpart Kb subject tank.

3.0 SPECIAL CONDITIONS

3.1. Gasoline transfer and spillage

Pursuant to OAR 340-232-0090(3)(e), the permittee must observe the following conditions:

a. Gasoline must be handled in a manner to prevent its being discarded in sewers or stored in open containers or handled in any manner that would result in evaporation.

b. The permittee must address any gasoline spill of more than 5 gallons in accordance with permit conditions 6.2 and 7.1.

4.0 PLANT SITE EMISSION LIMITS

4.1. Plant Site Emission Limits (PSEL)

Plant site emissions must not exceed the following:

Pollutant	Limit	Units
PM/PM_{10}	14	tons per year
SO_2	75	tons per year
NO_X	39	tons per year
CO	99	tons per year
VOC	99	tons per year

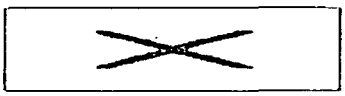
4.2. Emission Limitation Period

The plant site emission limits apply to any 12-consecutive calendar month period.

5.0 COMPLIANCE DEMONSTRATION

5.1. PSEL Compliance Monitoring

Compliance with the PSEL is determined for each 12-consecutive calendar month period based on the following calculation for each pollutant:



where,

E	=	pollutant emissions (ton/yr);
EF	=	pollutant emission factor (see condition 11.0);
P	=	process production (see condition 11.0)
K_{AI}	=	VOC aggregate insignificant activity

emission constant (see condition 11.0)

K_{FUG} = VOC equipment leak fugitive emission constant (see condition 11.0)

5.2. Emission Factors The permittee must use the default emission factors provided in condition 11.0 for calculating pollutant emissions, unless alternative emission factors are approved by the Department. The permittee may request or the Department may require using alternative emission factors provided they are based on actual test data or other documentation (e.g., AP-42 compilation of emission factors) that has been reviewed and approved by the Department.

5.3. Source Testing Requirements The permittee must conduct a source test of its Callidus vapor recovery unit (VRU) as specified below:

a. Within 12 months from the issue date of this permit, the permittee must perform an emission performance test of the VRU to demonstrate it is capable of operating at its maximum normal operating capacity in compliance with Condition 2.1.a an d 2.1.i by conducting a source test for VOC control efficiency and emission rate (lbs VOC emitted/1000 gallons loaded).

b. The Source Test must be conducted using EPA test Methods as described in 40 CFR Part 60, Subpart XX, §60.503. The Source Test must be conducted in accordance with the testing procedures on file at the Department.

c. The following parameters must be monitored and recorded during the source test:

i. The volume of gasoline dispensed through the loading rack;

ii. Carbon bed cycle time;

iii. VRU exhaust gas volume;

iv. Pressure within the Vapor Recovery system measured as close as possible to the connection with the gasoline truck;

v. Other operating parameters of the emission control equipment, determined at the time the pretest plan is reviewed.

d. Only regular operating staff may adjust the control device and/or emission control parameters during the source test and within two hours prior to the source test. Any

operating adjustments made during the source test, which are a result of consultation with source testing personnel, equipment vendors or consultants, may render the source test invalid.

e. All tests must be conducted in accordance with the Department's Source Sampling Manual and the approved pretest plan. The pretest plan must be submitted at least 15 days in advance and approved by the Regional Source Test Coordinator. Test data and results must be submitted for review to the Regional Source Test Coordinator within 45 days unless otherwise approved in the pretest plan.

f. The Department may approve an extension of the testing deadline in Condition 5.3.a if the permittee provides adequate justification for the extension.

6.0 RECORDKEEPING REQUIREMENTS

6.1. Operation and Maintenance

The permittee must maintain the following records related to the operation and maintenance of the plant and associated air contaminant control devices:

	Monitoring Parameters	Monitoring Frequency
a.	Volatile organic liquid type and period of storage, for each storage tank.	As performed
b.	The amount and type of volatile organic liquid loaded into or withdrawn from each storage tank	As performed
c.	Maximum Reid vapor pressure of the volatile organic liquid stored in each storage tank during the period of storage.	Each storage period
d.	The HAP content (percent by weight) of each product terminaled (%HAP content is to be monitored based on individual HAPs).	Each product formulation change
e.	The type and amount of volatile organic liquid loaded into marine vessels.	Each loading event
f.	The type and amount of refined petroleum products dispensed through the truck loading rack.	Monthly
g.	The type and amount of fuel combusted in the steam generating boilers.	Monthly
h.	The sulfur content of each lot of fuel oil received for	Each receipt

	sale, distribution, or use (combustion in the steam generating boilers). Sulfur content must be determined by one of the following methods: • Analyze a composite sample of a new lot of fuel using ASTM D129-64, D1552-83, D4057-81, 2622, or other method approved in writing by the Department; • Obtain a certificate of analysis for sulfur content from the fuel oil vendor or third party laboratory; • If used oil is combusted, the permittee must obtain analyses from the marketer or, if generated on site, have the used oil analyzed, so that it can be demonstrated that each shipment of oil does not exceed the used oil specifications contained in 40 CFR Part 279.11, Table 1.	
i.	Perform a 12-month rolling emission rate calculation to demonstrate compliance with the PSEL emission rate limits of Condition 4.0. Rolling emission rate calculations must be performed in accordance with the calculation methods of Conditions 5.1 and 5.2.	Monthly
j.	Excess emission records as defined in OAR 340-214-0300 through 340-214-0340.	Each Occurrence
k.	Records of air quality related complaints received by permittee and results of corresponding investigation/resolution.	Each Occurrence
l.	Records of major maintenance performed on air pollution control equipment.	Each Occurrence

6.2. Excess Emissions The permittee must maintain records of excess emissions as defined in OAR 340-214-0300 through 340-214-0340 (recorded on occurrence). Typically, excess emissions are caused by process upsets, startups, shutdowns, or scheduled maintenance. If there is an ongoing excess emission caused by an upset or breakdown, the permittee must cease operation of the equipment or facility no later than 48 hours after the beginning of the excess emissions, unless continued operation is approved by the Department in accordance

with OAR 340-214-0330(4).

6.3. Complaint Log The permittee must maintain a log of all written complaints and complaints received via telephone that specifically refer to air pollution concerns associated to the permitted facility. The log must include a record of the permittee's actions to investigate the validity of each complaint and a record of actions taken for complaint resolution.

6.4. Retention of Records Unless otherwise specified, all records must be maintained on site for a period of two (2) years and made available to the Department upon request.

7.0 REPORTING REQUIREMENTS

7.1. Excess Emissions The permittee must notify the Department by telephone or in person of any excess emissions which are of a nature that could endanger public health.

a. Such notice must be provided as soon as possible, but never more than one hour after becoming aware of the problem. Notice must be made to the regional office identified in Condition 8.5.

b. If the excess emissions occur during non-business hours, the permittee must notify the Department by calling the Oregon Emergency Response System (OERS). The current number is 1-800-452-0311.

c. The permittee must also submit follow-up reports when required by the Department.

7.2. Annual Report For each year this permit is in effect, the permittee must submit to the Department by **February 15,** two (2) copies of the following information for the previous calendar year:

a. Operating parameters:

i. A letter stating the facility's compliance status with permit conditions for the previous calendar year.

ii. The total amount of natural gas ($MMft^3$) combusted in the boilers.

iii. The total amount (gal) and type of fuel oil combusted in the boilers.

iv. The total amount of gasoline received into storage tanks (bbls per year).

v. The amount of gasoline loaded into tank trucks (gallons/yr).

vi. The total amount of gasoline loaded into marine vessels, (bbls or gal/year).

vii. The calculated PM/PM_{10}, SO_2, NO_X, CO, and VOC 12-month rolling emission rates for each month of the previous calendar year. Calculations must be performed following the calculation method in Conditions 5.1 and 5.2.

b. An evaluation of the permittee's HAP potential to emit (as limited by the overall VOC PSEL) based upon formulation changes documented for Condition 6.1.d.

c. Records of all planned and unplanned excess emissions events.

d. Summary of complaints relating to air quality received by permittee during the year.

e. List permanent changes made in plant process, production levels, and pollution control equipment which affected air contaminant emissions.

f. List major maintenance performed on pollution control equipment.

7.3. Notice of Change of Ownership or Company Name

The permittee must notify the Department in writing using a Departmental "Permit Application Form" within 60 days after the following:

a. Legal change of the name of the company as registered with the Corporations Division of the State of Oregon; or

b. Sale or exchange of the activity or facility.

7.4. Construction or Modification Notices

The permittee must notify the Department in writing using a Departmental "Notice of Construction Form," or "Permit Application Form," and obtain approval in accordance with OAR 340-210-0205 through 340-210-0250 before:

a. Constructing, installing, or establishing a new stationary source that will cause an increase in any regulated pollutant emissions;

b. Making any physical change or change in operation of an existing stationary source that will cause an increase, on an hourly basis at full production, in any regulated pollutant emissions; or

c. Constructing or modifying any air pollution control equipment.

7.5. **Where to Send Reports and Notices** — The reports, with the permit number prominently displayed, must be sent to the Permit Coordinator for the region where the source is located as identified in Condition 8.3.

8.0 ADMINISTRATIVE REQUIREMENTS

8.1. **Permit Renewal Application** — The completed application package for renewal of this permit is due on 02/01/2008. Two (2) copies of the application must be submitted to the DEQ Permit Coordinator listed in condition 8.3

8.2. **Permit Modifications** — Application for a modification of this permit must be submitted not less than 60 days prior to the source modification. A special activity fee must be submitted with an application for the permit modification. The fees and two (2) copies of the application must be submitted to the Business Office of the Department.

8.3. **Permit Coordinator Address** — All reports, notices, and applications (without associated fees) should be directed to the Permit Coordinator of the Department's Northwest Regional Office. The address is as follows:

Department of Environmental Quality
Northwest Region
2020 SW 4th Avenue, Suite 400
Portland, OR 97201-4987
Telephone: (503) 229-5582

8.4. **Department Contacts - Internet** — Information about air quality permits and the Department's regulations may be obtained from the DEQ web page at www.deq.state.or.us.

8.5. **Department Contacts - General** — All inquiries about this permit should be directed to the Department's Northwest Regional Office. The address and phone number are as follows:

Department of Environmental Quality
Northwest Regional Office
2020 SW 4th Avenue, Suite 400
Portland, OR 97201-4987
Telephone: (503) 229-5554

9.0 FEES

9.1.	**Annual Compliance Fee**	The Annual Fee specified in OAR 340-216-0020, Table 2, Part 2 for a Standard ACDP is due on **December 1** of each year this permit is in effect. An invoice indicating the amount, as determined by Department regulations, will be mailed prior to the above date.
9.2.	**Change of Ownership or Company Name Fee**	The non-technical permit modification fee specified in OAR 340-216-0020, Table 2, Part 3(a) is due with an application for changing the ownership or the name of the company.
9.3.	**Special Activity Fees**	The special activity fees specified in OAR 340-216-0020, Table 2, Part 3 (b through i) are due with an application to modify the permit.
9.4.	**Where to Submit Fees**	Fees must be submitted to: Department of Environmental Quality Business Office 811 SW Sixth Avenue Portland, Oregon 97204-1390

10.0 GENERAL CONDITIONS AND DISCLAIMERS

10.1.	**Permitted Activities**	This permit allows the permittee to discharge air contaminants from processes and activities related to the air contaminant source(s) listed on the first page of this permit until this permit expires, is modified, or is revoked.
10.2.	**Other Regulations**	In addition to the specific requirements listed in this permit, the permittee must comply with all other legal requirements enforceable by the Department.
10.3.	**Conflicting Conditions**	In any instance in which there is an apparent conflict relative to conditions in this permit, the most stringent conditions apply.
10.4.	**Masking of Emissions**	The permittee must not cause or permit the installation of any device or use any means designed to mask the emissions of an air contaminant that causes or is likely to cause detriment to health, safety, or welfare of any person or otherwise violate any other regulation or requirement.
10.5.	**Department Access**	The permittee must allow the Department's representatives access to the plant site and pertinent records at all reasonable times for the purposes of performing inspections, surveys, collecting samples, obtaining data, reviewing and copying air contaminant emissions discharge records and conducting all necessary

functions related to this permit in accordance with ORS 468-095.

10.6.	**Permit Availability**	The permittee must have a copy of the permit available at the facility at all times.
10.7.	**Open Burning**	The permittee may not conduct any open burning except as allowed by OAR 340 Division 264.
10.8.	**Asbestos**	The permittee must comply with the asbestos abatement requirements in OAR 340, Division 248 for all activities involving asbestos-containing materials, including, but not limit to, demolition, renovation, repair, construction, and maintenance.
10.9.	**Property Rights**	The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.
10.10.	**Termination, Revocation, or Modification**	The Department may modify or revoke this permit pursuant to OAR 340-216-0082 and 340-216-0084.

11.0 EMISSION FACTORS

Process	Pollutant	Monitoring Parameter (P)	Emissions Factor (EF)	Emissions Factor Units
Boilers (natural gas)	PM/PM_{10}[1]	MM ft^3 of natural gas combusted	7.6	lbs/MM ft^3
	SO_2	MM ft^3 of natural gas combusted	2.6	lbs/MM ft^3
	NO_X	MM ft^3 of natural gas combusted	100	lbs/MM ft^3
	CO	MM ft^3 of natural gas combusted	84	lbs/MM ft^3
	VOC	MM ft^3 of natural gas combusted	5.5	lbs/MM ft^3
Boilers (fuel oil)	PM/PM_{10}[1]	Gallons of fuel oil combusted	Distillate oil - 3.3 Resid. oil – 20.8	lbs/1000 gal
	SO_2	Gallons of fuel oil combusted	Distillate oil – 71[2] Resid. oil – 274.8[3]	lbs/1000 gal
	NO_X	Gallons of fuel oil combusted	Distillate oil - 20 Resid. oil - 55	lbs/1000 gal
	CO	Gallons of fuel oil combusted	Distillate oil - 5 Resid. oil - 5	lbs/1000 gal
	VOC	Gallons of fuel oil combusted	Distillate oil – 0.2 Resid. oil – 0.28	lbs/1000 gal
Storage tanks	VOC	Monitor gallons of throughput for respective 12-month period	Use TANKS software or AP-42 algorithms for 12-	tons/yr

Process	Pollutant	Monitoring Parameter (P)	Emissions Factor (EF)	Emissions Factor Units
			month emission rate calculation[4]	
Refined products truck loading rack	VOC	Gallons loaded	Gas – 0.008 Distillate[6]	lbs/1000 gal
Refined products truck loading rack fugitives	VOC	Gallons loaded	Gas[5] Distillate[6]	lbs/1000 gal
Marine loading	VOC	Gallons loaded	Distillate oil – 0.012 Jet Kerosene – 0.013 Resid. oil[6]	lbs/1000 gal
Process Oil/water separator	VOC	Gallons of throughput	TBD	lbs/1000 gal
Equipment Leaks	VOC	Equipment leak constant (K_{FUG})	3.6	tons/yr
Aggregate Insignificant activities[7]	VOC	Activity constant (K_{AI})	1	tons/yr

1. All PM from fuel combustion is presumed to be PM_{10}.
2. Permittee may determine emission factor based upon weighted average fuel oil sulfur content of all distillate fuel oil combusted during emission calculation period using the following formula: 142(S).
3. Permittee may determine emission factor based upon weighted average fuel oil sulfur content of all residual fuel oil combusted during emission calculation period using the following formula: 157(S).
4. Algorithms are referenced in Appendix A of this permit.
5. Factor includes a presumed vapor collection efficiency of 98.7% (fugitive emission rate of 1.3%). Factor may be determined using AP-42 formula:

Where:
S = saturation factor
P = true vapor pressure
M = molecular weight of vapor
T = temperature (°R)
eff = reduction efficiency

6. Emissions are negligible and are included as an insignificant activity component.
7. Aggregate insignificant emission sources consist of the following sources: lube plant tanks, truck fueling at refined products loading rack (diesel), lube oil truck loading rack (top loading of finished lube oils and some base stocks), black oil/RFO loading rack, diesel/black oil pump off area, lube oil truck unloading area, lube oil additive truck unloading area, gasoline additive truck unloading area, rail car loading (lube oil and base oils), rail car unloading (fuel oils; decant, cutter, RFO), marine vessel offloading (gasoline, diesel, and fuel oils), ethanol truck unloading, and lube plant facility fugitive emissions.

12.0 ABBREVIATIONS, ACRONYMS, AND DEFINITIONS

ACDP	Air Contaminant Discharge Permit
ASTM	American Society for Testing and Materials
AQMA	Air Quality Maintenance Area
calendar year	The 12-month period beginning January 1st and ending December 31st
CFR	Code of Federal Regulations
CO	carbon monoxide
DEQ	Oregon Department of Environmental Quality
dscf	dry standard cubic foot
EPA	US Environmental Protection Agency
FCAA	Federal Clean Air Act
gal	gallon(s)
gr/dscf	grains per dry standard cubic foot
HAP	Hazardous Air Pollutant as defined by OAR 340-244-0040
I&M	inspection and maintenance
lb	pound(s)
MMBtu	million British thermal units
NA	not applicable
NESHAP	National Emissions Standards for Hazardous Air Pollutants
NO_X	nitrogen oxides
NSPS	New Source Performance Standard
NSR	New Source Review
O_2	oxygen
OAR	Oregon Administrative Rules
ORS	Oregon Revised Statutes
O&M	operation and maintenance
Pb	lead
PCD	pollution control device
PM	particulate matter
PM_{10}	particulate matter less than 10 microns in size
ppm	part per million
PSD	Prevention of Significant Deterioration
PSEL	Plant Site Emission Limit
PTE	Potential to Emit
RACT	Reasonably Available Control Technology
scf	standard cubic foot
SER	Significant Emission Rate
SIC	Standard Industrial Code
SIP	State Implementation Plan
SO_2	sulfur dioxide
Special Control Area	as defined in OAR 340-204-0070
VE	visible emissions
VOC	volatile organic compound
year	A period consisting of any 12-consecutive calendar months

Appendix A

The following equations were developed by the American Petroleum Institute. Equations were obtained from EPA's AP-42 Section 7.1.

$VOC_{IFRTanks}$ = VOC emissions from internal floating roof tanks.

$$VOC_{IFRTanks} = L_T = L_{WD} + L_R + L_F + L_D$$

L_T = total loss, lb VOC/yr

$$L_{WD} = \frac{(0.943)\,QCW_L}{D}\left[1 + \frac{(N_C F_C)}{D}\right]$$

$$L_R = (K_{Ra} + K_{Rb} v^n) D P^* M_V K_C$$

$$L_F = F_F P^* M_V K_C$$

$$L_D = K_D S_D D^2 P^* M_V K_C$$

where:

L_{WD} = withdrawal loss, lb/yr
L_R = rim seal loss, lb/ yr
L_F = deck fitting loss, lb/ yr
L_D = deck seam loss, lb/ yr
Q = product average throughput (tank capacity [bbl] times turnovers per year), bbl/ yr
C = product withdrawal shell clingage factor, bbl/1,000 ft^2
W_L = density of liquid, lb/gal
D = tank diameter, ft
N_C = number of columns, dimensionless
F_C = effective column diameter, ft
K_{Ra} = zero wind speed rim seal loss factor, lb-mole/ft·yr
K_{Rb} = wind speed dependent rim seal loss factor, lb-mole/$(mph)^n$ft·yr (see Table 7.1-8)
v = average ambient site wind speed (zero for internal floating roof tanks), mph
M_V = the average molecular weight of the product vapor, lb/lb-mole

K_C = the product factor, dimensionless

P^* = the vapor pressure function, dimensionless

$$= (P_{VA}/P_A)/[1 + (1-([P_{VA}/P_A])^{0.5})]^2$$

and

P_{VA} = the vapor pressure of the material stored, psia;
See Notes 1 and 2 to Equation 1-9 and Note 3 to Equation 2-3.

P_A = average atmospheric pressure at tank location, psia

F_F = the total deck fitting loss factor, lb-mole/yr

$$= \sum_{i=1}^{n_f} (N_{Fi}K_{Fi}) = [(N_{F1}K_{F1}) + (N_{F2}K_{F2}) + \ldots + (N_{Fnf}K_{Fnf})]$$

and:

N_{Fi} = number of fittings of a particular type, dimensionless. N_{Fi} is determined for the specific tank or estimated from AP-42 Table 7.1-12

K_{Fi} = deck fitting loss factor for a particular type of deck fitting, lb-mole/yr. K_{fi} is determined for each fitting type using AP-42 Table 7.1-12.

n_f = number of different types of fittings, dimensionless

K_D = the deck seam loss factor, lb-mole/ft·yr

= 0.14 for nonwelded decks

= 0 for welded decks

S_D = deck seam length factor, ft/ft^2

$$= L_{seam}/A_{deck}$$

and:

L_{seam} =total length of deck seams, ft

A_{deck} =area of deck, $ft^2 = \pi D^2/4$

The following parameters can be obtained from AP-42 Tables or assumptions:

K_C = 1.0 for volatile organic liquids

N_C = 1 (from AP-42 Table 7.1-11)

F_C = 1.0 (assumed)

K_{Ra} = 0.3 (from AP-42 Table 7.1-8)

K_{Rb} = 0.6 (from AP-42 Table 7.1-8)

v = 0 for internal floating roof tanks

M_V = 62 lb/lb-mole (from AP-42 Table 7.1-2)

W_L = 5.6 lb/gal (from AP-42 Table 7.1-2)

C = 0.0015 bbl/1,000 ft^2 (from AP-42 Table 7.1-10)

K_D = 0 for welded decks so S_D is not needed

F_F = $\Sigma(K_{Fi}N_{Fi})$

$\mathbf{VOC_{FRTanks}}$ = VOC emissions from fixed roof tanks.

$$\mathbf{VOC_{FRTanks}} = L_T = L_S + L_W$$

where:

L_T = total losses, lb VOC/ yr

L_S = standing storage losses, lb VOC/ yr

L_W = working losses, lb VOC/ yr

Standing Storage Loss - Fixed roof tank breathing or standing storage losses can be estimated from:

$$L_S = 365\ V_V W_V K_E K_S$$

where:

L_S = standing storage loss, lb/ yr

V_V = vapor space volume, ft^3

W_V = vapor density, lb/ft^3

K_E = vapor space expansion factor, dimensionless

K_S = vented vapor saturation factor, dimensionless

365 = constant, days/yr

Working Loss - The working loss, L_W, can be estimated from:

$$L_W = 0.0010\ M_V P_{VA} Q K_N K_P$$

where:

L_W = working loss, lb/ yr

M_V = vapor molecular weight, lb/lb-mole; see Note 1 to Equation 1-9

P_{VA} = vapor pressure at daily average liquid surface temperature, psia; see Notes 1 and 2 to Equation 1-9

Q = annual net throughput (tank capacity [bbl] times annual turnover rate)

K_N = turnover factor, dimensionless; see Figure 7.1-18
for turnovers > 36, $K_N = (180 + N)/6N$
for turnovers ≤ 36, $K_N = 1$

N = number of turnovers per year, dimensionless

$$N = \frac{5.614Q}{V_{LX}}$$

where:

N = number of turnovers per year, dimensionless
Q = annual net throughput, bbl/ yr
V_{LX} = tank maximum liquid volume, ft^3

and

$$V_{LX} = \frac{\pi D^2 H_{LX}}{4}$$

where:

D = diameter, ft

H_{LX} = maximum liquid height, ft

K_P = working loss product factor, dimensionless, 0.75 for crude oils. For all other organic liquids, $K_P = 1$

Document2

Department of Environmental Quality
Northwest Region
Air Quality Program

Standard
AIR CONTAMINANT DISCHARGE PERMIT
REVIEW REPORT

ConocoPhillips Company
5528 NW Doane Ave.
Portland, OR 97210
503-248-1538

Source Test	Compl Sched	Report				Excess		NSR	PSD	RACT	NSPS	NESHAP	Size	Public Notice
		A	S	Q	M	R	N							
X		X					X			X	X		ST	3

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PERMITTING

PERMITTING ACTION

1. The permit is a renewal of an existing Air Contaminant Discharge Permit (ACDP) which was issued on 05/27/1999 and was originally scheduled to expire on 03/01/2003. The old ACDP is being converted to a Standard ACDP in accordance with the rules adopted in May 2001.

OTHER PERMITS

2. Other permits issued or required by the Department of Environmental Quality for this source include:

   NPDES General Permit
   Underground Storage Tank Permit
   Hazardous Waste Generator Permit

ATTAINMENT STATUS

3. The facility is located in a maintenance area for carbon monoxide (CO) and ozone. Oxides of nitrogen (NO_x) and volatile organic compounds (VOC) are precursors of ozone. As permitted, the facility is an insignificant source of CO and a moderate source of NO_x and VOC. The area is in attainment for all other pollutants.

SOURCE DESCRIPTION

OVERVIEW

4. The permittee operates a bulk gasoline terminal located at 5528 N.W. Doane Avenue in Portland. The facility was previously owned and operated by Tosco Corporation. The terminal has 118 storage tanks for approximately 854,885 barrels of storage tank capacity. The products that are stored and loaded from the facility may include, but are not limited to, gasoline, diesel, fuel/heating oil, ethanol, lube oils and other common commercially available bulk organic liquid products. Organic vapors from the truck loading rack (gasoline/diesel) are controlled by a dual-bed carbon adsorption vapor recovery unit (VRU).

   Organic liquid products are stored predominantly in fixed-roof above-ground storage tanks at the facility. Storage tanks having capacity of greater than 39,000 gallons and storing a volatile organic compound (VOC) liquid with a true vapor pressure that is greater than 1.52 psia, as stored, at actual monthly average storage temperatures, are equipped with internal floating covers having at least a primary seal.

5. Since the last permit renewal the permittee installed a new Callidus Technologies vapor recovery unit (VRU) to control hydrocarbon emissions produced at its truck loading rack. Prior to this installation the permittee controlled its truck loading emissions with a VRU located at the Chevron Products Company.

PROCESS AND CONTROL DEVICES

6. Existing air contaminant sources at the facility consist of the following:

AMT	EQUIPMENT	MFG/MODEL	CAPACITY/ PROD. RATE	CONTROL EQUIPMENT	INSTALLED/ MODIFIED
118	Fixed-roof tanks	Various	Various	Roof, seals	Various
1	Refined Products Truck Loading Rack	NA (Custom)	3600 gal/min (600 gal/min /arm x 6)	Carbon Bed VRU	1999
1	Fuel (Black Oil) Truck Loading Rack	NA (Custom)	500 gal/min	None	1950s
1	Marine Loading	NA (Custom)	3,600 gal/min	None	1950s
4	Oil/Water Separators	Custom	Various	None	Various
1	Fugitive	Unknown	Various	None	Various
2	Boilers	Erie City Cleaver Brooks	58 MMBtu/hr 14.6 MMBtu/hr	None	1973 1984
2	Railcar & lube oil loading	Custom	250 gal/min	Railcar & lube oil loading uncontrolled	1974

CONTINUOUS MONITORING DEVICES

7. The facility has the following continuous monitoring devices:

Organic vapor analyzer for VRU exhaust gas emissions.

COMPLIANCE

8. The facility was inspected on 08/28/2001, 09/27/2000, 09/15/1999, and 09/21/1998 and

found to be in compliance with permit conditions.

9. During the prior permit period there were no complaints recorded for this facility.

10. No enforcement actions have been taken against this source since the last permit renewal.

EMISSIONS

11. Proposed PSEL information:

Pollutant	Baseline Emission Rate (tons/yr)	Netting Basis		Plant Site Emission Limits[a] (PSEL)		
		Previous (tons/yr)	Proposed[b] (tons/yr)	Previous PSEL (tons/yr)	Proposed PSEL (tons/yr)	PSEL Increase (tons/yr)
PM/PM_{10}[a]	1.1	1.1	1[d]	2	14[e]	12[e]
SO_2	1	75	75	75	75	0
NO_x	11.3	8.1	8[d]	14	39[e]	25[e]
CO	2.8	2.8	7[f]	4	99[e]	95[e]
VOC	726.4	128.9	119	99	99	0

a. The PSEL is a federally enforceable limit on the potential to emit.
b. With this permit action, the netting basis as proposed is hereby frozen pursuant to OAR 340-200-0020(71) and will only be recalculated as needed under the terms of OAR 340-200-0020(71)(a)(A) through (C).
c. Particulate matter is produced as product of combustion (boiler operation) and is all presumed to be PM_{10}.
d. Quantity rounded to whole number.
e. Proposed PSEL and associated increase is attributed to the Department establishing the PSEL at the Generic PSEL equivalent [OAR 340-222-0040 and OAR 340-200-0020(56)] for the respective pollutant and is not representative of an actual emission increase at the facility. Refer to the emission detail sheet for maximum anticipated actual emissions.
f. Increase due to revised emission factor.
g. Netting basis revised due to reduction required by rule attributed to adoption of marine vapor recovery rule (although permittee no longer performs marine, the portion of its netting basis that was attributed to marine loading of gasoline in the baseline period was adjusted for the rule requirement). Netting basis was also revised due to revised emission factor to include fugitive emissions.

12. In addition to the PSEL, the permit includes the following:

Pollutant	Unassigned Emissions (tons/yr)	Emission Reduction Credits (tons/yr)
VOC	20	NA

a. The permittee has 20 tons of unassigned VOC emissions. The unassigned emissions are attributed to its decision to accept federally enforceable permit conditions that limit its PTE to levels below Title V major source thresholds. The unassigned emission is the difference between its netting basis and its recognized PTE. Before it can utilize the unassigned emissions, the permittee must first obtain a Title V operating permit.

AGGREGATE INSIGNIFICANT EMISSIONS

13. Analysis of VOC emissions from the following sources at the terminal found the associated emissions to be negligible: lube plant tanks, truck fueling at refined products loading rack (diesel), lube oil truck loading rack (top loading of finished lube oils and some base stocks), black oil/RFO loading rack, diesel/black oil pump off area, lube oil truck unloading area, lube oil additive truck unloading area, gasoline additive truck unloading area, rail car loading (lube oil and base oils), rail car unloading (fuel oils; decant, cutter, RFO), marine vessel offloading (gasoline, diesel, and fuel oils), ethanol truck unloading, and lube plant facility fugitive emissions. For purposes of emission compliance determination calculations the identified sources and their emissions have been grouped together in this permit as "aggregate insignificant emissions." When all of the identified aggregate insignificant emissions are combined it results in less than one ton of hydrocarbon emissions annually. When performing PSEL compliance calculations, the permittee must account for the VOC emissions from the activities identified above by include a 1 ton per year aggregate insignificant emissions constant in the compliance calculation equation.

SIGNIFICANT EMISSION RATE ANALYSIS

14. For each pollutant, the proposed Plant Site Emission Limit is less than the Netting Basis plus the significant emission rate, thus no further air quality analysis is required.

MAJOR SOURCE APPLICABILITY

CRITERIA POLLUTANTS

15. A major source is a facility that has the potential to emit more than 100 tons per year of any criteria pollutant. Although the source has the capacity to emit above the Title V major source threshold levels, the permittee has elected not to obtain an Oregon Title V Operating Permit by requesting a PSEL below the major source threshold levels. The PSEL is a federally enforceable limit on PTE.

HAZARDOUS AIR POLLUTANTS

16. The permittee handles products that contain components that are listed as Hazardous Air Pollutants (HAPs) in Section 112(b) of the Federal Clean Air Act and OAR 340-244-0040, Table 1. Using mass balance calculations the permittee determined that when total VOC emissions are limited to 99 tons/year its potential to emit HAPs is below the major source thresholds (major source threshold for HAPs = potential to emit 10 or more tons of any single HAP or 25 or more tons of any combination of HAPs) of the Title V Federal Operating Permit program. The permit contains conditions requiring the permittee to monitor HAP content of terminaled products to ensure that changes in product formulations do not threaten the facility's minor source status. At the time of permit issuance, actual maximum HAP emissions were estimated to be less than 3 tons/yr of total combined HAPs.

ADDITIONAL REQUIREMENTS

NSPS APPLICABILITY

17. The permittee has 22 storage tanks which are individually subject to federal regulations for New Source Performance Standards (NSPS) **40 CFR 60 Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984**. The subject tanks range in size from 15,000 to 20,000 gallons. Due to the small individual size of the tanks and the low true vapor pressure of the stored product (<2.18 psia – associated with 20,000 gallon tanks only) the only applicable regulatory requirement for the permittee to perform for the tanks is to maintain a permanent record of each tank's dimensions and an analysis of each tank's storage capacity.

NSPS Kb Subject Tanks					
Tank No.	Year Constructed	Capacity (gal)	Tank No.	Year Constructed	Capacity (gal)
4388	1984	15,000	4400	1985	15,000
4389	1984	15,000	4401	1985	15,000
4390	1985	15,000	4402	1985	15,000
4391	1985	15,000	4403	1985	15,000
4392	1985	15,000	4404	1985	15,000
4393	1985	15,000	4405	1987	15,000
4394	1985	15,000	4406	1987	15,000
4395	1985	15,000	4407	1987	15,000
4397	1985	15,000	4408	1987	15,000
4398	1985	15,000	4436	1990	20,000

4399	1985	15,000	4437	1990	20,000

NESHAPS/MACT APPLICABILITY

18. At the time of the ACDP application review this source was not subject to federal regulations for National Emissions Standards for Hazardous Air Pollutants (NESHAPs).

RACT APPLICABILITY

19. The facility is located in the Portland AQMA and the following RACT requirements apply:

OAR 340-232-0085 - regulations for gasoline delivery vessels
OAR 340-232-0090 - regulations for bulk gasoline terminals
OAR 340-232-0100 - regulations for testing vapor transfer and collection systems
OAR 340-232-0150 - regulations for liquid (volatile organic) storage

TACT APPLICABILITY

20. The source is not subject to the state's TACT/Highest and Best Rules since it is subject to and complying with the RACT regulations identified above.

SOURCE TESTING

PRIOR TESTING RESULTS

21. The results of the most recent source tests are listed below:

Emission Device	Test Date	Pollutant	Measured Value
Callidus VRU	04/28/2000	VOC	0.0067 lb/1000 gallons loaded
Callidus VRU	09/17/1999	VOC	0.008 lb/1000 gallons loaded

PROPOSED TESTING

22. The Callidus Technologies VRU will be tested within twelve months from permit date of issue.

PUBLIC NOTICE

23. Pursuant to OAR 340-216-0066(4)(a)(A), renewals of Standard Air Contaminant Discharge Permits require public notice in accordance with OAR 340-209-0030(3)(c). The proposed permit was placed on public notice for a 35-day period from September 4, 2003 to October 10, 2003. No comments were received.

ggg:EJD
Document3
10/14/2003

ConocoPhillips Company
Plant Site Emission Limit Detail Sheet
Baseline Year 1978

EMISSION POINT	OPERATING PARAMETER	EMISSION FACTOR RATE	EMISSION FACTOR REFERENCE	EMISSIONS TONS/YEAR
Volatile Organic Compounds				
Product storage and handling losses				
	Fixed Roof Tanks - 3,692,857 bbl gasoline	Tank specific	AP-42 TANKS	[308.3 Unadjusted(1)]
	Fixed Roof Tanks - 3,692,857 bbl gasoline	Tank specific Adjusted for rule	AP-42 TANKS	17.2 Adjusted(2)
	Fixed Roof Tanks - 1,822,941 bbl fuel oil/diesel	Tank specific	AP-42 TANKS	1.4
Bulk Loading				
Truck Loading	110,800,000 gal gasoline	6.2 lbs/10^3 gal	AP-42	[343.5 Unadjusted(3)]
	110,800,000 gal gasoline	1.27 lbs/10^3 gal Adjusted for rule (0.67 lbs/10^3 gal w/98.3% capture eff.)	Regulatory Limit	70.4 Adjusted (4)
	53,594,465 gal diesel/ heating oil(5)	0.014 lbs/10^3 gal	AP-42	0.4
Marine Vessel Loading				
	23,300,000 gal gasoline	3.9 lbs/10^3 gal	AP-42	[45.4 Unadjusted(6)]
	23,300,000 gal gasoline	0.2 lbs/10^3 gal	Regulatory Limit	2.3 Adjusted (7)
	11,484,528 gal diesel/ heating oil(8)	0.012 lbs/10^3 gal	AP-42	0.1
Oil/Water Separator				
	3000 gal/day throughput	5 [illegible] 0^3 gal	FIRE	3

ConocoPhillips Company
Plant Site Emission Limit Detail Sheet
Baseline Year 1978

EMISSION POINT	OPERATING PARAMETER	EMISSION FACTOR RATE	EMISSION FACTOR REFERENCE	EMISSIONS TONS/YEAR
	1,095,000 gal/yr(9)			
Fugitive Emissions (valves, pumps, flanges, etc.)	327 Valves	47 lb/source/yr	AP-42 S. Coast AQMD	7.8
	12 Pumps	432 lb/source/yr	AP-42 S. Coast AQMD	2.6
	604 Flanges	4.9 lb/source/yr	AP-42 S. Coast AQMD	1.5
	856 Other connectors	4.9 lb/source/yr	AP-42 S. Coast AQMD	2.1
Asphalt Operations				
Storage	32,613,000 Asphalt feed stock 18,315,360 gal finished asphalt	Tank specific	AP-42 TANKS	4.7
Loading	18,315,360 gal asphalt loaded	0.48 lbs/10^3 gal	AP-42 w/Chevron monitoring data	4.4
Boilers				
Erie City Cleaver Brooks	72.65 MMBtu/hr total input			
	10,128 gal No. 2 fuel oil	0.2 lbs/10^3 gal	AP-42	negligible
	159.3 x 10^6 ft^3 nat. gas	5.5 lbs/10^6 ft^3	AP-42	0.4
Aggregate Insignificant Activities	Lube oil, gear oil, asphalt emulsions			1
		VOC Total	Baseline Emission Rate	726.4

ConocoPhillips Company
Plant Site Emission Limit Detail Sheet
Baseline Year 1978

EMISSION POINT	OPERATING PARAMETER	EMISSION FACTOR RATE	EMISSION FACTOR REFERENCE	EMISSIONS TONS/YEAR
			Netting Basis	119
Particulate Matter				
Erie City				
Cleaver Brooks	72.65 MMBtu/hr total input			
	10,128 gal No. 2 fuel oil	3.3 lbs/10^3 gal	AP-42	negligible
	159.3 x 10^6 ft^3 nat. gas	7.6 lbs/10^6 ft^3	AP-42	0.6
		PM Total	Baseline Emission Rate **Netting Basis**	0.6
Oxides of Nitrogen				
Erie City				
Cleaver Brooks	72.65 MMBtu/hr total input			
	10,128 gal No. 2 fuel oil	20 lbs/10^3 gal	AP-42	0.1
	159.3 x 10^6 ft^3 nat. gas	100 lbs/10^6 ft^3	AP-42	8
		NO_X Total	Baseline Emission Rate **Netting Basis**	8.1
Carbon Monoxide				
Erie City				
Cleaver Brooks	72.65 MMBtu/hr total input			
	10,128 gal No. 2 fuel oil	5 lbs/10^3 gal	AP-42	negligible
	159.3 x 10^6 ft^3 nat. gas	84 lbs/10^6 ft^3	AP-42	6.7
		CO Total	Baseline Emission Rate	6.7

ConocoPhillips Company
Plant Site Emission Limit Detail Sheet
Baseline Year 1978

EMISSION POINT	OPERATING PARAMETER	EMISSION FACTOR RATE	EMISSION FACTOR REFERENCE	EMISSIONS TONS/YEAR
			Netting Basis	
Sulfur Dioxide				
Erie City				
Cleaver Brooks	72.65 MMBtu/hr total input			
	10,128 gal No. 2 fuel oil	71 lbs/10^3 gal	AP-42	0.4
	159.3 x 10^6 ft^3 nat. gas	2.6 lbs/10^6 ft^3	DEQ(10)	0.2
		SO_2 Total	Baseline Emission Rate **Netting Basis**	0.6

(1) "Unadjusted" emission quantity represents baseline emission rate for fixed roof gasoline storage tanks, unadjusted for Department RACT rules for storage vessels. Emission quantity includes emissions for two fixed roof tanks (2915 and 4259), equipped with internal floating pans and primary seals (RACT compliant) that were present during the baseline year. Other fixed roof gasoline storage tanks were connected to a Horton dome with diaphragm (vapor bag) for vapor control/recovery. Control efficiency was assumed to be 50%.

(2) "Adjusted" emission quantity equals the netting basis which is the baseline emission rate for fixed roof gasoline storage tanks, adjusted for Department RACT rules for storage vessels. Emissions were calculated assuming that each fixed roof gasoline storage tank was equipped with with an internal floating pan with primary seal.

(3) "Unadjusted" emission quantity represents baseline emission rate for the truck loading rack unadjusted for Department RACT rules for gasoline terminals.

(4) "Adjusted" emission quantity equals the netting basis which is the baseline emission rate for the truck loading rack adjusted for Department RACT rules for gasoline terminals.

(5) Actual quantity of diesel/heating oil loaded into trucks in the baseline year was not available in the source file. It was assumed that 70% of the annual diesel/heating oil throughput was loaded into trucks based upon historical operational performance documented in the file.

(6) "Unadjusted" emission quantity represents baseline emission rate for marine vessel loading of gasoline unadjusted for Department RACT rules for marine vessel loading.

(7) "Adjusted" emission quantity equals the netting basis which is the baseline emission rate for marine vessel loading of gasoline adjusted for Department RACT rules.

(8) Actual quantity of diesel/heating oil loaded into marine vessels in the baseline year was not available in the source file. It was assumed that 15% of the annual diesel/heating oil throughput was loaded into marine vessels based upon historical operational performance documented in the file.

(9) Actual quantity of liquid throughput for the oil/water separators in the baseline year was not available in the source file. It was assumed that this quantity was identical to current typical years.

(10) Emission factor based upon sulfur content of Portland area natural gas supply - determined in 1993.

EMISSION POINT	OPERATING PARAMETER	EMISSION FACTOR RATE	EMISSION FACTOR REFERENCE	EMISSIONS TONS/YEAR
Volatile Organic Compounds				
Product storage and handling losses				
	Int. Floating Roof Tanks - 9,175,648 bbl gasoline/ethanol/Ht. Oil	Tank Specific	AP-42 TANKS	30.9
	Fixed Roof Tanks –13,695,212 bbl fuel oil/diesel/base oil/RFO/MFO	Tank Specific	AP-42 TANKS	2.4
Bulk Loading Truck Loading	Max Load Rate = 3,600 gal/min 460 MMgal petroleum products loaded	0.21 lbs/10^3 gal (includes 1.3% fugitives)	Source Test	48.3
Marine Vessel Loading	Max Load Rate = 3,600 gal/min 85.7 MMgal diesel	0.012 lbs/10^3 gal	AP-42	0.5
Oil/Water Separator	20,000 gal/day throughput 4,653,750 gal/yr	5 lbs/10^3 gal	FIRE	11.6
Fugitive Emissions (valves, pumps, flanges, etc.)	327 Valves	1.4 lb/source/yr	API Pub. No. 4588	0.2
	12 Pumps	27.2 lb/source/yr	API Pub. No. 4588	0.2
	1460 Flanges/other connections	0.6 lb/source/yr	API Pub. No. 4588	0.4
Boilers City				

EMISSION POINT	OPERATING PARAMETER	EMISSION FACTOR RATE	EMISSION FACTOR REFERENCE	EMISSIONS TONS/YEAR
Cleaver Brooks	72.65 MMBtu/hr total input			
	residual oil - no use projected	0.28 lbs/10^3 gal	AP-42	
	369,000 gal fuel oil (0.3% S)	0.2 lbs/10^3 gal	AP-42	0.04
	144 MMft^3 nat. gas	5.5 lbs/10^6 ft^3	AP-42	0.4
Insignificant Activities				
	Rail Car Loading (lube oil, fuel oil, additives)			1
	Barge loading diesel/fuel oil			
			VOC Totals	95.9
Particulate Matter				
Erie City				
Cleaver Brooks	72.65 MMBtu/hr total input			
	residual oil - no use projected	20.8 lbs/10^3 gal	AP-42	
	369,000 gal fuel oil (0.3% S)	3.3 lbs/10^3 gal	AP-42	0.6
	144 MMft^3 nat. gas	7.6 lbs/10^6 ft^3	AP-42	0.5
			Total PM/PM_{10}	1.1
Oxides of Nitrogen				
Erie City				
Cleaver Brooks	72.65 MMBtu/hr total input			
	residual oil - no use projected	55 lbs/10^3 gal	AP-42	
	369,000 gal fuel oil (0.3% S)	20 lbs/10^3 gal	AP-42	3.7
	144 MMft^3 nat. gas	100 lbs/10^6 ft^3	AP-42	7.2
			Total NO_X	10.9
Carbon Monoxide				

EMISSION POINT	OPERATING PARAMETER	EMISSION FACTOR RATE	EMISSION FACTOR REFERENCE	EMISSIONS TONS/YEAR
Erie City				
Cleaver Brooks	72.65 MMBtu/hr total input			
	residual oil - no use projected	5 lbs/10^3 gal	AP-42	
	369,000 gal fuel oil (0.3% S)	5 lbs/10^3 gal	AP-42	1
	144 MMft^3 nat. gas	84 lbs/10^6 ft^3	AP-42	6
			Total CO	7
Sulfur Dioxide				
Erie City				
Cleaver Brooks	72.65 MMBtu/hr total input			
	residual oil - no use projected	274.75 lbs/10^3 gal	AP-42	
	369,000 gal fuel oil (0.3% S)	71 lbs/10^3 gal (emission factor based on 0.5% S for operational flexibility)	AP-42	13.1
	144 MMft^3 nat. gas	2.6 lbs/10^6 ft^3	AP-42	0.2
			Total SO_2	13.3

AIR CONTAMINANT DISCHARGE PERMIT #26-2026
OPERATING, MONITORING AND RECORDKEEPING REQUIREMENTS

Synthetic Minor Limits:

1. VOC emissions cannot exceed 99 tons in any 12-month rolling average
2. Railcars cannot be loaded with any product with a true vapor pressure >0.1 psia (Jet Kerosene)
3. NO_x emissions cannot exceed 99 tons/ in any 12-month rolling average (boiler operations)
4. SO_2 emissions cannot exceed 99 tons in any 12-month rolling average (boiler operations)
5. Hazardous Air Pollutant (HAP) emissions cannot exceed 25 tons for all HAP's and cannot exceed 10 tons for any single HAP

Plant Site Emission Limits

1. Emissions on a plant site basis shall not exceed 99 tons in any 12 month rolling average
2. PM/PM_{10} cannot exceed 2 tons in any 12 month rolling average (boiler operations)
3. NO_x emissions cannot exceed 14 tons in any 12 month rolling average (boiler operations)
4. CO emission cannot exceed 4 tons in any 12 month rolling average (boiler operations)
5. SO_2 emissions cannot exceed 75 tons in any 12 month rolling average

Loading Rack Operating Requirements:

1. No drainage from gasoline loading devices >10 cm^3 per disconnect based five consecutive disconnects
2. No visible liquid gasoline leaks during loading/unloading operations
3. VRU pressure shall not exceed 18" of water gauge or a vacuum of 6" of water gauge at tank truck or trailer.
4. Trucks and trailers loading at the terminal must have a current Oregon leak test certificate on file or a valid Oregon delivery vessel certification sticker displayed

Storage Tank Operating Requirements:

1. Process of emptying and refilling when the cover is resting on the leg supports shall be continuous and accomplished as rapidly as possible.
2. Each opening in the cover [except automatic bleeder and rim vents, stub drains and leg sleeves] is to be equipped with a cover, seal, or lid which is maintained in a closed position except when in use.
3. All tank gauging and sampling devices shall be gas-tight except when gauging/sampling is taking place
4. Automatic bleeder and rim vents are to be closed at all times except when the cover is being floated off or landed on leg supports.

Special Conditions:

1. Gasoline shall not be stored in open containers
2. All gasoline spills >5 gallons shall be reported to the DEQ

Each Loading/Receipt Event:

1. Type and amount of Volatile Organic Liquid (VOL) loaded into railcars (not currently applicable, only lube oil is loaded into railcars)
2. Type and amount of VOL loaded into marine vessels (each loading event)
3. Sulfur content of each lot of fuel oil received for sale (each receipt)

Daily Monitoring Requirements:

1. Type and amount of petroleum products dispensed at the rack

Monthly Monitoring Requirements:

1. Type and amount of fuel combusted in the boilers
2. Perform 12-month rolling average calculations
3. Monthly facility emissions calculations (required since facility currently deviates from compliance determination conditions 9, 11, and 12)

As Activity is Performed:

1. VOL type and period of storage for each storage tank
2. Amount of VOL loaded into/withdrawn from each storage tank
3. Maximum true vapor pressure of the VOL in each storage tank
4. HAP content per weight (each product formulation change)
5. Maintenance log describing maintenance performed on any air pollution control device or system

Reporting Requirements:

1. July 30: submit letter to DEQ stating facility's compliance status with permit conditions for first 6 months of the year
2. January 30: emissions report for the previous calendar year
3. Inform DEQ within 7 business days of any sale, distribution, or shipment of fuel oil that exceeds the following sulfur content limitations:
   - Residual Oil: 1.75%
   - ASTM Grade 1: 0.3%
   - ASTM Grade 2: 0.5%
4. Immediately notify the DEQ on phone or in person of any excess emissions period (other than pre-approved startup, shutdown, or scheduled maintenance)
5. Must get approval of any construction, installation, modification, physical changes, or change in method of operation that could affect the emissions of air contaminants

AIR CONTAMINANT DISCHARGE PERMIT

Department of Environmental Quality
Northwest Region
2020 SW 4th Avenue, Suite 400
Portland, Oregon 97201-4987
Telephone: (503) 229-5554

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

ISSUED TO:

Tosco Corporation
Tosco Portland Terminal
P.O. Box 76
Portland, OR 97207

PLANT SITE LOCATION:

5528 N.W. Doane Avenue
Portland, Oregon 97210

INFORMATION RELIED UPON:

Application No.: 016429
Synthetic Minor Modification
Received: 07/21/97
Application No.: 014942
Received: 05/15/95
Application No.: 013168
Received: 01/21/93

THIS PERMIT PREVIOUSLY ISSUED TO:

Union Oil Company of California
d.b.a. UNOCAL Corporation

LAND USE COMPATIBILITY STATEMENT:
From: City of Portland
Dated: 01-25-93

ISSUED BY THE DEPARTMENT OF ENVIRONMENTAL QUALITY

Ed Druback, Northwest Region Air Quality Manager — MAY 27 1999 Dated

Source(s) Permitted to Discharge Air Contaminants:

TYPE OF FACILITY (From TABLE 4, OAR 340-28-1750)	STANDARD INDUSTRY CODE
65. Bulk gasoline terminal	5171
8. b) Fuel burning equipment, residual/ distillate oil fired 10 to <250 MBtu/hr	4961
Part I.G.	SYNTHETIC MINOR

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LIST OF COMMON ABBREVIATIONS USED IN AIR CONTAMINANT DISCHARGE PERMITS

ACDP	Air Contaminant Discharge Permit
ASTM	American Society for Testing and Materials
bbl	Barrel (42 gal)
calendar year	The 12 month period beginning January 1st and ending December 31st
CFR	Code of federal regulations
CO	Carbon monoxide
DEQ	Oregon Department of Environmental Quality
cf	Cubic foot/cubic feet
dscf	Dry standard cubic foot
EPA	US Environmental Protection Agency
EU	Emissions unit
FCAA	Federal Clean Air Act
gal	gallon(s)
gr/dscf	Grains per dry standard cubic foot
HAP	Hazardous Air Pollutant as defined by OAR 340-32-130
I&M	Inspection and maintenance
lb	pound(s)
MMBtu	Million British thermal units
NO_x	Oxides of nitrogen
O2	Oxygen
OAR	Oregon Administrative Rules
ORS	Oregon Revised Statutes
O&M	Operation and maintenance
Pb	Lead
PCD	Pollution control device
PM	Particulate matter
PM10	Particulate mater less than 10 microns in size
ppm	Part per million
ppmv	Part per million by volume
PSEL	Plant Site Emission Limit
RACT	Reasonably Available Control Technology
RVP	Reid Vapor Pressure
scf	Standard cubic foot
SERP	Source Emission Reduction Plan
SO_2	Sulfur dioxide
TVP	True Vapor Pressure
VE	Visible emissions
VOC	Volatile organic compound
VRU	Vapor recovery unit
year	A period consisting of any 12 consecutive months

PERMITTED ACTIVITIES

The permittee is herewith allowed to discharge exhaust gases containing air contaminants only in accordance with the permit application and the limitations contained in this permit. Until such time as this permit expires or is modified or revoked, the permittee is herewith allowed to discharge exhaust gases from those processes and activities directly related or associated thereto in accordance with the requirements, limitations, and conditions of this permit from the air contaminant source(s) listed above.

Compliance with the specific requirements, limitations and conditions contained herein does not relieve the permittee from complying with all other laws, rules and standards administered by the Department, nor does it allow significant levels of emissions of air contaminants not limited in this permit or contained in the permit application.

GENERAL PERFORMANCE AND EMISSION STANDARDS

1. The permittee shall at all times maintain and operate all air contaminant generating processes and all air contaminant control equipment at full efficiency and effectiveness, such that the emissions of air contaminants are kept at the lowest practicable levels.

2. The permittee shall not sell, distribute, use (combust), or make available for use, any fuel oil which exceeds the following sulfur content limitations:

   a. 0.3 percent sulfur by weight for ASTM Grade 1 (distillate).
   b. 0.5 percent sulfur by weight for ASTM Grade 2 (distillate).
   c. 1.75 percent sulfur by weight for residual fuel oil.

3. Visible emissions from any "non-fuel burning equipment" source of air contaminant emissions [for definition of fuel burning equipment see Oregon Administrative Rule (OAR) 340-30-010] shall not equal or exceed an opacity of twenty percent (20%), for periods aggregating more than thirty (30) seconds in any one (1) hour, excluding uncombined water vapor.

4. Particulate matter which is larger than 250 microns and which may be deposited upon the real property of another person shall not be emitted.

5. The permittee shall not allow the emission of odorous matter or other fugitive emissions so as to create nuisance conditions off the permittee's property. Nuisance conditions will be verified by Department personnel. The creation of nuisance conditions may, in addition to any other action the Department may take, result in a permit modification to require a compliance schedule to control the nuisance conditions.

SPECIFIC PERFORMANCE AND EMISSION STANDARDS

Boilers:

6. The permittee shall operate and control the steam generating boilers in accordance with the following list of boiler operating parameters and emission limitations:

			Maximum Emission Limits	
Boiler Identification	Maximum Capacity (1)	Fuel Used	Opacity Limit (2)	Particulate Matter (gr/dscf) (3)
Erie City Boiler	58.0 MMBtu/hr	Fuel Oil Nat. Gas	20%	0.1
Cleaver Brooks Boiler	14.65 MMBtu/hr	Fuel Oil Nat. Gas	20%	0.1

(1) Maximum input BTU rating of boiler.
(2) Maximum opacity that shall not be equaled or exceeded for a period or periods aggregating more than three minutes in any one hour, excluding uncombined water vapor.
(3) Particulate emission limitation is stated in grains per standard cubic foot, corrected to 12% carbon dioxide or 50% excess air.

Truck Loading Rack:

7. Pursuant to OAR 340-022-130, the permittee shall observe the following conditions of operation for the truck loading rack:

a. The permittee shall not allow volatile organic compounds (VOC) to be emitted into the atmosphere in excess of 80 milligrams of VOC per liter of gasoline loaded (0.67 lb VOC/1000 gal gasoline loaded) from the loading of truck tanks and truck trailers at the bulk gasoline terminal.

b. Gasoline shall only be transferred between the loading rack and a truck tank or a truck trailer when a current Oregon leak test certification form for the delivery vessel (tank truck or trailer) is on file with the terminal or a valid Oregon delivery vessel certification sticker is verified to be displayed on the delivery vessel.

c. All displaced vapors and gases from the delivery vessel must be vented only to the vapor recovery/control system.

d. All equipment associated with the vapor recovery/control system shall be maintained to be vapor-tight and in good working order.

e. Each loading device shall be designed and operated to allow no more than 10 cubic centimeters drainage per disconnect on the basis of five consecutive disconnects.

f. There shall be no visible liquid gasoline leaks during loading or unloading operations.

g. All gasoline loading lines shall be equipped with fittings which make vapor-tight connections and which close automatically and immediately when disconnected.

h. All vapor lines shall be equipped with fittings which make vapor-tight connections and which close automatically and immediately when disconnected or which contain vapor-tight unidirectional valves.

i. The vapor collection system shall be maintained and operated in a manner to prevent the pressure therein from exceeding a pressure of 18 inches of water gauge or a vacuum of 6 inches of water gauge, at the tank truck or trailer.

j. During periods when the loading rack is not operated by the permittee, the permittee's responsibility shall be defined in a letter of agreement on file at the terminal, signed by the person (or their agent) who will operate the truck loading rack, confirming compliance with the above conditions.

"Vapor tight" as used in condition 7., means: using an explosimeter, no reading shall equal or exceed 100 percent of the lower explosive limit (LEL, measured as propane), measured at 2.5 centimeters from any point on the perimeter of a potential leak source.

Storage Tanks:

8. Fixed roof storage tanks having capacities greater than 150,000 liters (approx. 39,000 gallons), storing volatile organic compound liquids with true vapor pressures (determined in accordance with methods described in American Petroleum Institute Bulletin 2517, Evaporation Loss from External Floating-Roof Tanks), as stored, of greater than 1.52 psia at actual monthly average storage temperatures, shall meet the following conditions:

a. The fixed roof storage tanks shall be equipped with an internal floating cover equipped with a continuous closure device (primary seal) between the tank wall and the cover edge. The primary seal shall be a minimum of a nonmetallic resilient seal.

b. The cover is to be floating at all times, (i.e., off the leg supports) except during initial fill and when the tank is completely emptied and subsequently refilled. The process of emptying and refilling when the cover is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible.

c. Each opening in the cover except for automatic bleeder vents and the rim space vents is to provide a projection below the liquid surface.

d. Each opening in the cover except for automatic bleeder vents, rim space vents, stub drains and leg sleeves is to be equipped with a cover, seal, or lid which is to be maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use.

e. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place; except for slotted gage wells which must have floating seals with one half inch edge gaps or less.

f. All seals are to be maintained in good operating condition and the seal fabric shall contain no visible holes, tears or other openings.

g. Automatic bleeder vents are to be closed at all times when the cover is floating except when the cover is being floated off or is being landed on the leg supports.

h. Rim vents are to be set to open only when the cover is being floated off the leg supports or at the manufacturer's recommended setting.

i. The permittee shall not store any volatile organic compound liquid with a true vapor pressure, as stored, of greater than 570 mm Hg (11.1 psia), unless the respective storage tank is equipped with a vapor recovery system or its equivalent.

SYNTHETIC MINOR LIMITATIONS AND REQUIREMENTS

Petroleum transfer:

9. The permittee shall limit petroleum product throughput throughout all terminal operations such that the emission of VOCs does not exceed 99 tons per year (compliance with this condition shall be determined based upon a 12-month rolling average).

10. The permittee shall not load any product into railcars which has a true vapor pressure greater than Jet Kerosene (TVP = 0.01 psia @ 70° F).

Fuel combustion:

11. The permittee shall limit fuel combustion in the steam generating boilers such that the emission of NO_X does not exceed 99 tons per year (compliance with this condition shall be determined based upon a 12-month rolling average).

12. The permittee shall limit fuel combustion in the steam generating boilers such that the emission of SO_2 does not exceed 99 tons per year (compliance with this condition shall be determined based upon a 12-month rolling average).

Hazardous Air Pollutants:

13. The permittee shall limit product throughput at the terminal such that the total emission of Hazardous Air Pollutants (HAP), as defined in Table 1 of OAR 340-32-130, is less than 10 tons per year for any single HAP or 25 tons per year for any combination of HAPs.

Note: Based upon HAP emission calculations included with the permit application the Permittee was demonstrated to be a minor source of HAP emissions when operating in compliance with the 99 ton/yr VOC emission limitation of condition 9.

Compliance Demonstration:

14. Based upon emission calculations included with the permit application the permittee shall be presumed to be in compliance with the Synthetic Minor limitations in conditions 9, 11, 12 and 13 provided that it complies with condition 10 and does not exceed any of the following operational conditions and throughputs. A compliance demonstration using this method must be based upon monitoring over 12 consecutive months. [**Provisions for flexibility: (1) For any tank in the following tables, the permittee may replace the identified "Product To Be Stored" with an alternate product provided that the Reid Vapor Pressure and the annual throughput of the alternate product does not exceed that of the product stated in the table. (2) The permittee may deviate from the operational and throughput limitations of this condition provided it complies with the provisions of condition 15.**]

a.

Fixed Roof Tanks		
Tank Number	**Product To Be Stored**	**Maximum Throughput (bbls/year)**
Tank 31	Fuel Oil	319,108
Tank 141	RFO	254,987
Tank 2561	MFO	1,506,291
Tank 2669	M. Diesel	127,798
Tank 2783	Decant Oil	892,763

Fixed Roof Tanks		
Tank 2784	Diesel	1,243,283
Tank 2916	Diesel	1,464,311
Tank 2917	Base Oil	197,846
Tank 2982	Heating Oil	174,012
Tank 2883	Base Oil	97,400
Tank 3579	IFO	3,053,112
Tank 3740	Base Oil	88,568
Tank 3761	Diesel	2,818,108
Tank 4318	MFO	1,362,997
Group A (Tanks 3414, 3415, 3416, 3417, 3739, 4306)	Base Oil	94,628

b.

Internal Floating Roof Tanks			
Tank Number	Product to Be Stored	Reid Vapor Pressure (PSI)	Maximum Throughput (bbls/year)
Tank 2915	Gasoline	10.0	4,398,822
Tank 3407	Gasoline	10.0	2,830,309
Tank 3408	Gasoline	10.0	1,228,113
Tank 3409	Ethanol	5.0	142,350
Tank 3410	Heating Oil	5.0	98,106
Tank 3411	Gasoline	7.0	196,008
Tank 3412	Heating Oil	5.0	85,932
Tank 3413	Gasoline	7.0	196,008

c.

Bulk Loading - Truck Rack	
Product Type	Maximum Volume Loaded (bbls/year)
Petroleum Products (all)	10,950,000

d.

Marine Vessel Loading	
Product Loaded	Maximum Volume Loaded (bbls/year)
Gasoline	350,000
Diesel	2,040,000
Heating Oil	150,000

e.

Oil/Water Separators		
Unit/Device	Average Combined Throughput (gallons/day)	Maximum Combined Throughput (gallons/year)
All Separators	12,750	4,653,750

f. The permittee shall collectively combust no more than 369,000 gallons of diesel fuel (0.3% sulfur content) and 144 MMft3 (1.516×10^6 therms) of natural gas in the steam generating boilers annually.

Alternate Compliance Demonstration:

15. If the permittee elects to deviate from any operational condition(s) or exceed any operational throughput limitation(s) of condition 14, the permittee shall alternately demonstrate compliance with Synthetic Minor conditions 9, 11 and 12 using the equations identified in monitoring condition 27.l.

SPECIAL CONDITIONS

Gasoline transfer and spillage:

16. Gasoline shall be handled in a manner to prevent its being discarded in sewers or stored in open containers or handled in any manner that would result in evaporation.

17. The permittee shall report any gasoline spill of more than 5 gallons in accordance with permit condition G5.

VRU Source Test Requirement:

18. The permittee shall demonstrate that the new Callidus VRU is capable of operating in compliance with condition 7.a., by conducting a source test for VOC emissions within 90 days of the VRU becoming operational, unless an extension is approved by the Department.

    a. The Source Test shall be conducted using EPA test Methods as described in 40 CFR Part 60, Subpart XX, §60.503. The Source Test shall be conducted in accordance with the testing procedures on file at the Department. The permittee or its agent shall submit a pretest plan for Department approval at least 15 days prior to the date on which the Source Test is scheduled to be performed. The pretest plan shall be submitted to the Source Test Coordinator in the Department's Northwest Regional office in Portland.

    b. All test data and results shall be submitted to the Source Test Coordinator for review within 45 days after completion of testing (unless an extension has been approved by the Department). The reported Source Test results shall state the VRU mass emission rate expressed as mg of nonmethane hydrocarbon per liter of gasoline loaded.

    c. During the Source Test and within two (2) hours prior to the test, only regular operating staff may adjust the control device and/or emission control parameters. Operating adjustments made during the Source Test, which are a result of consultation during the test with source testing personnel, equipment vendors, or consultants, may render the Source Test invalid.

    d. During the Source Test the following parameters shall be monitored and recorded:

        i. The volume of gasoline dispensed through the loading rack;
        ii. Carbon bed cycle time;
        iii. VRU exhaust gas volume;
        iv. Pressure within the Vapor Recovery system measured as close as possible to the connection with the gasoline truck;
        v. Other operating parameters of the emission control equipment, determined at the time the pretest plan is reviewed.

PLANT SITE EMISSION LIMITS

19. Emissions of Volatile Organic Compounds (VOC) on a plant site basis shall not exceed 99 tons per year (compliance with the yearly emission rate limit shall be determined on the basis of a 12-month rolling average) or 10,720 pounds per day.

20. Emissions of Particulate Matter (PM/PM_{10}) on a plant site basis shall not exceed 2 tons per year or 239 pounds per day.

21. Emissions of Nitrogen Oxides (NO_X) on a plant site basis shall not exceed 14 tons per year (compliance with the yearly emission rate limit shall be determined on the basis of a 12-month rolling average) or 640 pounds per day.

22. Emissions of Carbon Monoxide (CO) on a plant site basis shall not exceed 4 tons per year or 59 pounds per day.

23. Emissions of Sulfur Dioxide (SO_2) on a plant site basis shall not exceed 75 tons per year (compliance with the yearly emission rate limit shall be determined based on a 12-month rolling average) or 3194 pounds per day.

The above PSELs are based on Synthetic Minor operational limitations. The Permittee has additional unassigned VOC PSEL of 29.9 tons/yr. Any increase above the annual VOC PSEL will require a federal operating permit and must receive the prior approval of the Department.

MONITORING REQUIREMENTS

24. Pursuant to 40 CFR 60.110b(b), and 60.116b(a) and (b) [NSPS Subpart Kb], as adopted by reference in OAR 340-025-0587, the permittee shall keep readily accessible records showing the dimensions and an analysis showing the capacity, for each storage vessel that is used to store volatile organic liquids (VOLs), having a design capacity of less than 75 m^3 (19,812.8 gal), and for which construction, reconstruction, or modification is/was commenced after July 23, 1984. These records shall be maintained for the life of the respective storage vessel.

25. Pursuant to 40 CFR 60.110b(c), and 60.116b(a) and (b) [NSPS Subpart Kb], as adopted by reference in OAR 340-025-0587, the permittee shall keep readily accessible records showing the dimensions and an analysis showing the capacity, for each storage vessel that is used to store volatile organic liquids (VOLs), having a design capacity of greater than or equal to 75 m^3 (19,813 gal) but less than 151 m^3(39,890 gallons), storing a liquid with a maximum true vapor pressure that is less than 15.0 kPa (2.2 psia), and for which construction, reconstruction, or modification is/was commenced after July 23, 1984. These records shall be maintained for the life of the respective storage vessel.

Note: The permittee must obtain an appropriately modified Air Contaminant Discharge Permit from the Department, prior to storing a VOL, which has a maximum true vapor pressure of greater than or equal to 15.0 kPa (2.2 psia), in any tank subject to this condition.

26. The permittee shall keep readily accessible records showing the dimensions, capacity, and physical characteristics required to perform the emission estimation calculations stated in condition 27.l., for each storage vessel that is used to store volatile organic liquids (VOLs), having a design capacity of greater than or equal to 150,000 liters (approximately 39,000 gallons).

27. The permittee shall effectively inspect and monitor the operation and maintenance of the plant and associated air contaminant control facilities and shall implement the procedures necessary to monitor and record the following parameters. A record of all such data shall be maintained for a period of two years at the plant site for inspection by the authorized representatives of the Department.

	Parameter	Minimum Monitoring Frequency
a.	Volatile organic liquid type and period of storage, for each storage tank.	As performed
b.	The amount and type of volatile organic liquid loaded into or withdrawn from each storage tank.	As performed
c.	Maximum true vapor pressure of the volatile organic liquid stored in each storage tank during the period of storage.	Each storage period
d.	The HAP content (percent by weight) of each product terminaled (%HAP content is to be monitored based on individual HAPs)	Each product formulation change
e.	The type and amount of volatile organic liquid loaded into marine vessels.	Each loading event
f.	The type and amount of petroleum products dispensed through the truck loading rack.	Daily
g.	The type and amount of volatile organic liquid loaded into railcars.	Each loading event

h.	The type and amount of fuel combusted in the steam generating boilers.	Monthly
i.	The sulfur content of each lot of fuel oil received for sale, distribution, or use (combustion in the steam generating boilers). Sulfur content shall be determined by one of the following methods: • Analyze a composite sample of a new lot of fuel using ASTM D129-64, D1552-83, D4057-81, 2622, or other method approved in writing by the Department; • Obtain a certificate of analysis for sulfur content from the fuel oil vendor; • Retain a copy of contractual agreement with refinery for sulfur content limitations of fuel oil shipment(s) received via the Olympic pipeline.	Each receipt
j.	Maintain a log describing maintenance performed for any air pollution control device or system.	As performed
k.	Perform a 12-month rolling average calculation to demonstrate compliance with Synthetic Minor conditions 9, 11, and 12 as well as PSEL yearly emission rate limits of conditions 19, 21, and 23. Rolling averages may be based upon the throughput limits in tables of condition 14 or based upon calculations performed in accordance with condition 27.l.	Monthly

l.	If the permittee chooses to deviate from any operational condition(s) or exceed any operational throughput limitation(s) of condition 14, the permittee shall alternately demonstrate compliance with Synthetic Minor conditions 9, 11, and 12 utilizing the following calculations:	Monthly

VOC Emission Calculations:

$$VOC_{Total} = VOC_{IFRTanks} + VOC_{FRTanks} + VOC_{Truck} + VOC_{Marine} + VOC_{O/WSep} + VOC_{Boiler} + VOC_{Fugitives} + VOC_{InsigAct}$$

Where:

Note: The following algorithms for calculating VOC emissions for emission units $VOC_{IFRTanks}$ and $VOC_{FRTanks}$ are based upon emission estimation equations stated in section 7 of "*AP-42 Compilation Of Air Pollution Emission Factors*," published February 1996. This document should be referenced for supporting documentation and equations when calculating storage tank emissions. Rather than performing the following calculations manually, the permittee may choose to use either of the USEPA's emission estimation software packages for storage tanks, TANKS 2.0 or TANKS 3.0.

$VOC_{IFRTanks}$ = VOC emissions from internal floating roof tanks.

$$VOC_{IFRTanks} = L_T = L_{WD} + L_R + L_F + L_D$$

L_T = total loss, lb VOC/yr(month)

$$L_{WD} = \frac{(0.943)\,QCW_L}{D}\left[1 + \frac{(N_C F_C)}{D}\right]$$

$$L_R = (K_{Ra} + K_{Rb}v^n)DP^*M_VK_C$$

$$L_F = F_FP^*M_VK_C$$

$$L_D = K_DS_DD^2P^*M_VK_C$$

where:

L_{WD} = withdrawal loss, lb/yr(month)
L_R = rim seal loss, lb/ yr(month)
L_F = deck fitting loss, lb/ yr(month)
L_D = deck seam loss, lb/ yr(month)
Q = product average throughput (tank capacity [bbl] times turnovers per year), bbl/ yr(month)
C = product withdrawal shell clingage factor, bbl/1,000 ft^2
W_L = density of liquid, lb/gal
D = tank diameter, ft
N_C = number of columns, dimensionless
F_C = effective column diameter, ft
K_{Ra} = zero wind speed rim seal loss factor, lb-mole/ft • yr(month)
K_{Rb} = wind speed dependent rim seal loss factor, lb-mole/$(mph)^n$ft • yr(month)
v = average ambient site wind speed (zero for internal floating roof tanks), mph
M_V = the average molecular weight of the product vapor, lb/lb-mole
K_C = the product factor, dimensionless
P* = the vapor pressure function, dimensionless

$$= (P_{VA}/P_A)/[1 + (1-([P_{VA}/P_A])^{0.5})]^2$$

and

P_{VA} = the vapor pressure of the material stored, psia
P_A = average atmospheric pressure at tank location, psia

F_F = the total deck fitting loss factor, lb-mole/yr(month)

$$= \sum_{i=1}^{n_f} (N_{Fi}K_{Fi}) = [(N_{F1}K_{F1}) + (N_{F2}K_{F2}) + \ldots + (N_{Fnf}K_{Fnf})]$$

and:

N_{Fi} = number of fittings of a particular type, dimensionless. N_{Fi} is determined for the specific tank or estimated from AP-42 Table 7.1-12

K_{Fi} = deck fitting loss factor for a particular type of deck fitting, lb-mole/yr(month). K_{fi} is determined for each fitting type using AP-42 Table 7.1-12.

n_f = number of different types of fittings, dimensionless

K_D = the deck seam loss factor, lb-mole/ft • yr(month)

= 0.14 for nonwelded decks

= 0 for welded decks

S_D = deck seam length factor, ft/ft^2

= L_{seam}/A_{deck}

and:

L_{seam} = total length of deck seams, ft

A_{deck} = area of deck, ft^2 = $\pi D^2/4$

The following parameters can be obtained from AP-42 Tables or assumptions:

K_C = 1.0 for volatile organic liquids

N_C = 1 (from AP-42 Table 7.1-11)

F_C = 1.0 (assumed)

K_{Ra} = 0.3 (from AP-42 Table 7.1-8)

K_{Rb} = 0.6 (from AP-42 Table 7.1-8)

v = 0 for internal floating roof tanks

M_V = 62 lb/lb-mole (from AP-42 Table 7.1-2)

W_L = 5.6 lb/gal (from AP-42 Table 7.1-2)

C = 0.0015 bbl/1,000 ft^2 (from AP-42 Table 7.1-10)

K_D = 0 for welded decks so S_D is not needed

$F_F = \sum(K_{Fi}N_{Fi})$

$VOC_{FRTanks}$ = VOC emissions from fixed roof tanks.

$$VOC_{FRTanks} = L_T = L_S + L_W$$

where:

L_T = total losses, lb VOC/ yr(month)

L_S = standing storage losses, lb VOC/ yr(month)

L_W = working losses, lb VOC/ yr(month)

Standing Storage Loss - Fixed roof tank breathing or standing storage losses can be estimated from:

$$L_S = 365\ V_V W_V K_E K_S$$

where:

L_S = standing storage loss, lb/ yr(month)

V_V = vapor space volume, ft3

W_V = vapor density, lb/ft3

K_E = vapor space expansion factor, dimensionless

K_S = vented vapor saturation factor, dimensionless

365 = constant, d/yr ***(substitute days/month for monthly calculations)***

Working Loss - The working loss, L_W, can be estimated from:

$$L_W = 0.0010\, M_V P_{VA} Q K_N K_P$$

where:

L_W = working loss, lb/ yr(month)

M_V = vapor molecular weight, lb/lb-mole; see Note 1 to Equation 1-9

P_{VA} = vapor pressure at daily average liquid surface temperature, psia; see Notes 1 and 2 to Equation 1-9

Q = annual net throughput (tank capacity [bbl] times annual turnover rate), bbl/ yr(month)

K_N = turnover factor, dimensionless; see Figure 7.1-18
for turnovers > 36, $K_N = (180 + N)/6N$
for turnovers ≤ 36, $K_N = 1$

N = number of turnovers per year, dimensionless

$$N = \frac{5.614Q}{V_{LX}}$$

where:

N = number of turnovers per month (year), dimensionless
Q = annual net throughput, bbl/ yr (month)
V_{LX} = tank maximum liquid volume, ft^3

and

$$V_{LX} = \frac{\Pi D2 H_{LX}}{4}$$

where:

D = diameter, ft

H_{LX} = maximum liquid height, ft

K_P = working loss product factor, dimensionless, 0.75 for crude oils. For all other organic liquids, $K_P = 1$

VOC_{Truck} = VOC emissions from truck loading.

= (Total Barrels Loaded At Truck Rack)(4.032 lb/1000 BBL*)

VOC_{Marine} = VOC emissions from marine vessel loading.

= (Total Barrels Product Loaded)(VOC_{Marine} Factor**)

VOC_{Marine} Factors**:

Gasoline = 163.800 lb VOC/1000 BBL
Diesel = 0.504 lb VOC/1000 BBL
Heat Oil = 0.546 lb VOC/1000 BBL

$VOC_{O/WSep}$ = VOC emissions from oil/water separators.

= (total separator throughput)(5.0 lbs VOC/1000 gallons)

$VOC_{Boiler} = VOC_{NatGas} + VOC_{Oil}$

VOC_{NatGas} = VOC emissions from combustion of natural gas in the steam generating boilers.

= (ft^3 Nat. Gas Combusted)(2.9 lbs VOC/10^6 ft^3 Nat Gas)

VOC_{Oil} = VOC emissions from combustion of fuel oil in the steam generating boilers.

$= VOC_{No1Oil} + VOC_{No2Oil} + VOC_{ResidOil}$

Where:

VOC_{No1Oil} = (gal No. 1 Oil burned)(0.2 lbs VOC/10^3 gal No. 1 Oil)

VOC_{No2Oil} = (gal No. 2 Oil burned)(0.2 lbs VOC/10^3 gal No. 2 Oil)

$VOC_{ResidOil}$ = (gal Residual Oil burned)(0.28 lbs VOC/10^3 gal Resid Oil)

$VOC_{Fugitives}$ = VOC emissions from valves, flanges, pumps, and other connections.

= 1.6 tons VOC/year; 9.0 lbs VOC/day

$VOC_{InsigAct}$ = VOC emissions from insignificant VOC emitting activities(lube oil storage, handling and loading).

= 1 ton VOC/year; 5.6 lbs VOC/day

And:

* Emission factor for truck loading rack shall be based upon the most current source test data which the Department determines is representative of VRU operation.

** Emission factors shall be updated if/when better data becomes available. The permittee shall establish and utilize emission factors for products which are not identified above that become actively loaded (marine) at the facility.

NO_X CALCULATIONS:

$NOx_{Boiler} = NOx_{NatGas} + NOx_{Oil}$

NOx_{NatGas} = NO_X emissions from combustion of natural gas in the steam generating boilers.

= (ft^3 Nat. Gas Combusted)(140 lbs NO_X /10^6 ft^3 Nat Gas)

NOx_{Oil} = NO_X emissions from combustion of fuel oil in the steam generating boilers.

$= NOx_{No1Oil} + NOx_{No2Oil} + NOx_{ResidOil}$

Where:

NOx_{No1Oil} = (gal No. 1 Oil burned)(20 lbs NO_X/10^3 gal No. 1 Oil)

NOx_{No2Oil} = (gal No. 2 Oil burned)(20 lbs NO_X/10^3 gal No. 2 Oil)

$NOx_{ResidOil}$ = (gal Resid Oil burned)(55 lbs NO_X/10^3 gal Resid Oil)

SO_2 CALCULATIONS:

$SO2_{Boiler} = SO2_{NatGas} + SO2_{Oil}$

$SO2_{NatGas}$ = SO_2 emissions from combustion of natural gas in the steam generating boilers.

= (ft^3 Nat. Gas Combusted)(2.6 lbs $SO_2/10^6$ ft^3 Nat Gas)

$SO2_{Oil}$ = SO_2 emissions from combustion of fuel oil in the steam generating boilers.

$= SO2_{No1Oil} + SO2_{No2Oil} + SO2_{ResidOil}$

Where:

$SO2_{No1Oil}$ = (gal No. 1 Oil burned)(42.6 lbs $SO_2/10^3$ gal No. 1 Oil)

$SO2_{No2Oil}$ = (gal No. 2 Oil burned)(71 lbs $SO_2/10^3$ gal No. 2 Oil)

OR

$SO2_{No1\text{-}2Oil}$ = (gal No. 1-2 Oil burned)[(%S in Oil)(142) lbs $SO_2/10^3$ gal]

$SO2_{ResidOil}$ = (gal Resid Oil burned)(274.75 lbs $SO_2/10^3$ gal Resid Oil)

OR

$SO2_{ResidOil}$ = (gal Resid Oil burned)[(%S in Oil)(157) lbs $SO_2/10^3$ gal]

REPORTING REQUIREMENTS

28. Pursuant to OAR 340-28-1140, the permittee shall submit semi-annual reports to the Department for the report periods January 1 through June 30 and July 1 through December 31. Reports shall be submitted as follows:

a. The permittee shall submit to the Department by July 30 of each year the permit is in effect a letter stating the facility's compliance status with permit conditions for the first six months of the calendar year. The letter shall contain a verification that gasoline formulations have not changed significantly such that the facility would have the potential to emit HAPs at major source thresholds while limited to 99 tons per year of total VOC emissions. Any violations or exceedance shall be explained in detail including corrective actions taken.

b. The permittee shall submit to the Department by January 30 of each year the permit is in effect, two (2) copies of the following information. Unless otherwise stated, all information requested below is for the previous calendar year:

i. A letter stating the facility's compliance status with permit conditions for the second six months of the calendar year. The letter shall contain a verification that gasoline formulations have not changed significantly such that the facility would have the potential to emit HAPs at major source thresholds while limited to 99 tons per year of total VOC emissions. Any violations or exceedances shall be explained in detail including corrective actions taken.

ii. The total amount of natural gas (therms or ft^3) combusted in the boilers.

iii. The total amount (gal) and type of fuel oil combusted in the boilers.

iv. The total amount of gasoline received into storage tanks (bbls per year).

v. The total amount of gasoline loaded into marine vessels, (bbls or gal/year)

vi. The amount of gasoline loaded into tank trucks (gallons/yr)

vii. The maximum daily quantity of gasoline loaded into marine vessel(s) including date of its occurrence.

viii. The daily throughput of gasoline through the truck loading rack for the date supplied in item vii above.

ix. A calculation of the maximum daily VOC emission attributed to loading of gasoline into tank trucks and/or marine vessels, for the date identified in item vii above, calculated as follows:

Max VOCDay = (max. gallon-day truck rack)(VRU control factor*) + (max. marine loading)(3.9** lbs/1000 gal)

* The most recent representative source test determined mass emission rate for the VRU must be used in the calculation.

** emission factor for barges = 3.9 lbs/1000 gal
emission factor for ships = 1.8 lbs/1000 gal

x. Verification of compliance with Synthetic Minor conditions 9, 11, 12, and 13 and the annual PSELs in conditions 19, 21, and 23 by submitting a statement verifying that no operational condition or throughput limitation of condition 14 was exceeded for any 12-month rolling average period **OR** a summation of monthly monitoring records from condition 27.l.

xi. A calculation of the hourly PM, CO, NO_X, and SO_2 emission rates for any hourly period during which the steam generating boilers are operated in excess of their combined input Btu rating (72.65 MBtu/hr) while fired with fuel oil. Emissions shall be calculated using the following formulas:

PM = (No. gal Oil burned)(PM emission factor)

PM factors: No.1/No. 2 oil = 2 lbs/1000 gal
Residual oil = 20.5 lbs/1000 gal

CO = (No. gal Oil burned)(5 lbs/1000 gal)

NO_X = see calculation in condition 27.l.

SO_2 = see calculation in condition 27.l.

xii. A log of all planned and unplanned excess emissions in accordance with OAR 340-28-1440.

xiii. Explain any permanent changes made in the plant process or production which would effect air contaminant emissions, and indicate when changes were made.

xiv. List all major maintenance performed on air pollution equipment.

c. The reports shall be sent to ODEQ, Northwest Region, 2020 4th Avenue, Suite 400, Portland Oregon, 97201; unless otherwise noted. The permit number must be prominently displayed on the report.

d. The permittee shall inform the Department in writing within seven (7) business days, of the receipt for sale, distribution or use, of any shipment of fuel oil which exceeds the following sulfur content limitations (see condition 2):

Fuel Type	Sulfur Content
Residual Oil	1.75%
ASTM Grade 1	0.3%
ASTM Grade 2	0.5%

Intent is to keep 1.75% and not selling above 1.75%

AIR POLLUTION EPISODES

29. The permittee may elect to file a Source Emission Reduction Plan (SERP) with the Department in accordance with OAR 340-27-015, specifying the procedures the permittee will follow in the event an Air Pollution Alert, Warning, or Emergency Episode is declared by the Department for an Air Quality Maintenance Area and/or nonattainment area in which the source is located. The Source Emission Reduction Plan shall be available on the source premises for inspection by any authorized personnel.

30. In the event an Air Pollution Alert, Warning, or Emergency Episode is declared by the Department for an Air Quality Maintenance Area and/or nonattainment area in which the source is located, the permittee shall take actions appropriate to the declared Air Pollution Episode as listed in the Source Emission Reduction Plan on file with the Department, or with Oregon Administrative Rules 340, Division 27 "Air Pollution Emergencies" if no Source Emission Reduction Plan has been voluntarily filed with the Department.

31. Air Pollution Episodes will be declared by the Department and information will be made available through the radio and television media.

FEE SCHEDULE

32. The Annual Compliance Determination Fee for this permit is due on December 1 of each year this permit is in effect. An invoice indicating the amount, as determined by Department regulations, will be mailed prior to the above date. The fee shall be submitted to the Department's Business Office. The mailing address for the Business Office is as follows:

ODEQ
Attn: Business Office
811 SW 6th Avenue
Portland, OR 97204-1390

33. Application for renewal of this permit must be submitted to the Department by January 1, 2003. A Filing Fee and Application Processing Fee must be submitted with the application for the permit renewal. The fees and application shall be submitted to the Department's Business Office (see address above).

GENERAL CONDITIONS AND DISCLAIMERS

G1. The permittee shall allow Department of Environmental Quality representatives access to the plant site and pertinent records at all reasonable times for the purposes of making inspections, surveys, collecting samples, obtaining data, reviewing and copying air contaminant emission discharge records and otherwise conducting all necessary functions related to this permit in accordance with ORS 468.095.

G2. The permittee shall have available at the facility at all times a copy of the Air Contaminant Discharge Permit.

G3. The permittee is prohibited from conducting open burning.

G4. The permittee shall at all times conduct dust suppression measures to meet the requirements set forth in "Fugitive Emissions" and "Nuisance Conditions" in OAR 340-21-050 through 340-21-060 and in OAR 340-30-440.

G5. In accordance with OAR 340-28-1400 through 340-28-1450, the permittee shall immediately (i.e. as soon as possible but in no case more than one hour after the beginning of the excess emission period) notify the Department by telephone or in person of any excess emission, other than pre-approved startup, shutdown, or scheduled maintenance. Notification shall include the source name, nature of the emissions problem, name of the person making the report, name and telephone number of contact person for further information, date and time of the onset of the upset condition, whether or not the incident was planned, the cause of the excess emission (startup, shutdown, maintenance, breakdown, or other), equipment involved in the upset, estimated type and quantity of excess emissions, estimated time of return to normal operations, efforts made to minimize emissions, and a description of remedial actions to be taken. Follow-up reporting shall be made in accordance with Department direction and OAR 340-28-1430(2) and 340-28-1440.

Notification shall be made to the Department's Northwest Regional office at (503) 229-5263.

In the event of any excess emissions which are of a nature that could endanger public health and occur during nonbusiness hours, weekends, or holidays, the permittee shall immediately notify the Department by calling the Oregon Emergency Response System (OERS). The current number is 1-800-452-0311.

G6. The permittee shall notify the Department in writing using a Departmental "Notice of Construction" form, or "Permit Application Form", and obtain approval in accordance with OAR 340-28-800 through 340-28-820 before:

a. Constructing or installing any new source of air contaminant emissions, including air pollution control equipment, or

b. Modifying or altering an existing source that may significantly affect the emission of air contaminants, or

c. Making any physical change which increases emissions, or

d. Changing the method of operation, the process, or the fuel use, or increasing the normal hours of operation to levels above those contained in the permit application and reflected in this permit and which result in increased emissions.

G7. Application for a modification of this permit must be submitted not less than 60 days prior to the source modification. A Filing Fee and an Application Processing Fee must be submitted with an application for the permit modification.

G8. The permittee shall notify the Department in writing using a Departmental "Permit Application Form" within 60 days after the following:

a. legal change of the registered name of the company with the Corporations Division of the State of Oregon, or

b. sale or exchange of the activity or facility.

Applicable Permit Fees must be submitted with an application for the name change.

G9. The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

G10. This permit is subject to revocation for cause as provided in OAR 340-14-045.

ALL INQUIRIES SHOULD BE DIRECTED TO:

Department of Environmental Quality
Northwest Region - Air Quality Program
2020 SW 4th Avenue, Suite 400
Portland, Oregon 97201-4987
Telephone: (503) 229-5554

Department of Environmental Quality
Northwest Region

AIR CONTAMINANT DISCHARGE PERMIT APPLICATION REVIEW REPORT

Tosco Corporation
Tosco Portland Terminal
P.O. Box 76
Portland, OR 97207

PSEL CRED	SOURCE TEST	CMS	AMB MON	COMPL SCHED	SPEC COND	REPORT A	S M	EXCESS H	N	NSPS	NSR	PSD	NESHAPS	SIZE	PUBL NOTC	SYN MIN
	X				X		N	X		X				A1	X	X

GENERAL BACKGROUND INFORMATION

1. Tosco Corporation operates a bulk gasoline terminal located at 5528 N.W. Doane Avenue in Portland. The facility was previously owned and operated by Union Oil Company of California. The terminal has 118 storage tanks for approximately 854,885 barrels of storage tank capacity. The products that are stored and loaded from the facility may include, but are not limited to, gasoline, diesel, fuel/heating oil, ethanol, lube oils and other common commercially available bulk organic liquid products. Organic vapors from the truck loading rack (gasoline/diesel) are controlled by a dual-bed carbon adsorption vapor recovery unit (VRU).

   Organic liquid products are stored predominantly in fixed-roof above-ground storage tanks at the facility. Storage tanks having capacity of greater than 39,000 gallons and storing a volatile organic compound (VOC) liquid with a true vapor pressure that is greater than 1.52 psia, as stored, at actual monthly average storage temperatures, are equipped with internal floating covers having at least a primary seal.

2. The facility is located in a maintenance area for carbon monoxide (CO) and ozone. Oxides of nitrogen (NO_x) and volatile organic compounds (VOC) are precursors of ozone. As permitted, the facility is an insignificant source of CO and a moderate source of NO_x and VOC. The area is in attainment for all other pollutants.

3. A Land Use Compatibility Statement signed by the City of Portland on 01/25/1993 granted unconditional approval.

4. Other permits issued to this source by the Department of Environmental Quality are:

   NPDES General Permit
   Underground Storage Tank Permit
   Hazardous Waste Generator Permit

5. No citizen complaints were received pertaining to the permittee during the prior permit period.

6. No formal enforcement actions were taken against this source in the last five years.

   a. The facility was inspected on 07/31/1997, 08/12/1996, and 01/12/1994 and was found to be in compliance with permit conditions.

   b. The facility was inspected on 04/19/1995 and 07/21/1993 and was found to be in violation with permit conditions. The following Notices of Noncompliance (NON) were issued for the violations noted above:

      i. A NON was issued to the facility (when operated by UNOCAL) on 05/03/1995 for a visible a liquid leak observed to occur while loading trucks.

      ii. A NON was issued to the facility (when operated by UNOCAL) on 07/22/1993 when it was observed that floating seals were absent from slotted gauge wells on gasoline storage tanks.

7. Existing air contaminant sources at the facility consist of the following:

AMT.	EQUIPMENT	MFG/MODEL	CAPACITY/ PROD. RATE	SCC*	CONTROL EQUIPMENT	INSTALLED/ MODIFIED
118	Fixed-roof tanks	Unknown	Various	4-04-001-01 through 4-04-001-09	Roof, seals	Various
1	Truck Loading Rack	Unknown	3600 gal/min (600 gal/min /arm x 6)	4-06-001-41	Carbon Bed VRU	1980
1	Marine Loading	Unknown	3,600 gal/min	4-06-002-38	None	1950s
4	Oil/Water Separators	Unknown	Various	4-04-001-99	None	Various
1	Fugitive	Unknown	Various	4-04-00151	None	Various
2	Boilers	Erie City Cleaver Brooks	58 MMBtu/hr 14.6 MMBtu/hr	1-02-006-02 or 1-02-005-02	None	1973 1984
2	Railcar & lube oil loading	Unknown	150 gal/min	4-08-999-99	Railcar & lube oil loading uncontrolled	1974

*Source Classification Code, U.S. EPA reference

8. Source Test Information:

SOURCE	TEST DATE	PRODUCTION RATE DURING TEST	RESULTS
Chevron VRU	05/23/1997	460,140 gal gas 658,248 gal total fuel	0.040 lbs/1000 gal (4.7 mg/l)

9. The proposed permit is a renewal of an existing Air Contaminant Discharge Permit. The permit renewal includes:

   a. The addition of PSELs for PM_{10}, CO, and NO_X emissions. These emissions have historically been present at the terminal, however, were not recognized in PSELs of previous permits.
   b. An increase in the VOC PSEL attributed to ship/barge loading operations. Ship/barge loading operations have historically been practiced at the terminal, however, resulting emissions from these operations were not recognized in the VOC PSEL of previous permits.
   c. Synthetic Minor conditions to limit the permittee's potential to emit VOCs, NO_X, and SO_2.
   d. The provision for the addition of a new Callidus vapor recovery unit. At the time of permit issuance, organic vapors from the truck loading rack (gasoline/diesel) were controlled by a VRU which is owned, operated, and located at the Chevron Products Company, Willbridge Terminal. The permittee intends to install a new VRU which it will operate independently.
   e. Following guidance from EPA, the compliance demonstration period for synthetic minor limitations as well as the PSELs of associated pollutants was changed from a calendar year basis to a 12-month rolling average.

PLANT SITE EMISSION LIMIT (PSEL) INFORMATION

BASELINE EMISSION RATES

10. The operating schedule for terminal in the baseline year 1977 was 24 hrs/day x 7 days/wk x 52 wks/yr = 8760 hrs/yr.

11. A calculation of the baseline emission rates are exhibited in the attached detail sheets.

HISTORY OF CHANGES TO THE PLANT SITE EMISSION LIMIT

12. The allowable PSEL for VOCs was reduced from the recognized VOC Baseline Emission Rate in the permit issued on 05/19/1983 due to adjustment for Department rules for reasonably available control technology (RACT) requiring control of gasoline emissions from storage tanks and the loading of truck tanks and trailers.

13. The Plant Site Emission Limit for SO_2 was increased from 1 ton/year to 75 tons/year in the ACDP modification issued 06/20/1985, as a result of the permittee's request for increased use of residual oil. The increase represented a net significant increase over the baseline emission rate (baseline emission rate was 1 ton per year). The emission increase was approved based upon the Prevention of Significant Deterioration (PSD) rules that were in effect at the time of the modification. Following the PSD review and approval, the source now has an amended SO_2 baseline of 75 tons/year.

PROPOSED PLANT SITE EMISSION LIMIT

14. The normal operating schedule for the terminal is the same as the baseline year.

15. Calculations for the PSELs are exhibited in the attached detail sheets.

- The permittee has not stated an intent to utilize residual oil in its steam generating boilers. However, short-term boiler emissions were computed assuming the combustion of residual oil to recognize the maximum short-term emission rate as well as allow for the maximum operational flexibility during the life of the permit.
- Any increase above the stated PSELs must receive the prior approval of the Department.
- Unassigned VOC PSEL of 29.9 tons/year is a result of allowable baseline emissions not in use due to the permittee voluntarily assuming Synthetic Minor status.

SIGNIFICANT EMISSION RATE

16. The Plant Site Emission Limit increase over baseline is less than the Significant Emission Rate (SER) as defined in OAR 340-28-110 for all pollutants and is shown below. No further air quality analysis is required for those pollutants.

Pollutant	Baseline (tons/yr)	Current PSEL (tons/yr)	Increase (tons/yr)	SER (tons/yr)
PM/PM_{10}	1.1	1.4	0.3	25/15
NO_X	11.3	13.8	2.5	40
CO	2.8	3.5	0.7	100
SO_2	75*	75	0	40
VOC	128.9	99	NA	40

* SO_2 baseline emission rate amended from 1 ton/yr in 1978 to 75 tons/yr in 1985 following PSD review/modification.

SYNTHETIC MINOR INFORMATION

17. This permit includes a Synthetic Minor modification to limit the permittee's potential to emit VOCs, NO_X, and SO_2. VOC, NO_X, and SO_2 emissions have been limited to 99 tons per year in the permit. With its potential to emit limited to less than 100 tons of VOCs/yr, the permittee is not subject to the Title V Federal Operating Permit program for criteria pollutants.

18. The permittee handles products that contain components which are listed as Hazardous Air Pollutants (HAPs) in Section 112(b) of the Federal Clean Air Act and OAR 340-32-130, Table 1. Using mass balance calculations the permittee determined that when total VOC emissions are limited to 99 tons/year its potential to emit HAPs is below the major source thresholds (major source threshold for HAPs = potential to emit 10 or more tons of any single HAP or 25 or more tons of any combination of HAPs) of the Title V Federal Operating Permit program. The permit contains conditions requiring Tosco to monitor HAP content of terminaled products to ensure that changes in product formulations do not threaten the facility's HAP Synthetic Minor status. At the time of permit issuance, actual maximum HAP emissions were estimated to be less than 3 tons/yr of total combined HAPs.

19. The Synthetic Minor modifications in this permit consist of defined emission limitations and defined monitoring methods, that when combined, make the Synthetic Minor limitations quantifiable and enforceable.

ADDITIONAL REQUIREMENTS

20. The permit includes the requirement that the permittee Source Test the proposed new Callidus Technologies VRU within 90 days of it becoming operational (unless an extension is approved by the Department) to demonstrate that the unit is capable of operating in compliance with emission limitations of the permit.

21. Special conditions contained in the permit include:

    a. "Synthetic Minor" conditions limiting the facility's operational throughput such that its potential to emit VOCs, NO_X, SO_2 and HAPs is less than major source thresholds.

    b. The requirement that gasoline be handled in a manner to prevent it's being discarded in sewers or stored improperly.

    c. The reporting of any gasoline spill of more than 5 gallons.

22. The source is required to submit reports to the Department semi-annually.

23. The source is subject to immediate (within one hour) reporting of excess emissions.

24. The permittee has storage tanks which are individually subject to federal regulations for New Source Performance Standards (NSPS) **40 CFR 60 Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984**. At time of permitting, the permittee was exempt from the majority of performance requirements of Subpart Kb due to size of subject tanks and type of products stored.

25. At the time of the ACDP application review this source was not subject to federal regulations for New Source Review.

26. At the time of the ACDP application review this source was not subject to federal regulations for Prevention of Significant Deterioration (PSD).

27. At the time of the ACDP application review this source was not subject to federal regulations for National Emissions Standards for Hazardous Air Pollutants (NESHAPs).

PUBLIC NOTICE

The proposed Plant Site Emission Limit for VOC is greater than the previous permit and is shown below. The increase is due to a correction and does not represent an actual emissions increase from the previous permit. The PSEL correction results from the quantification and incorporation of emissions attributed to existing, ongoing operations that were not recognized in prior permits (primarily marine vessel loading) as well as the application of updated emission factors.

Pollutant	Previous PSEL	Proposed PSEL	Correction	Actual Increase
VOC	63.4	99	65.5*	0

* Correction reflects a correction to the VOC baseline emission rate to a total of 128.9 tons/yr. Proposed VOC PSEL is 99 tons per year due to permittee voluntarily operating as a Synthetic Minor source.

28. The proposed permit was placed on public notice from February 9, 1999 to March 11, 1999.

29. Based upon general direction received during the public notice period from the EPA pertaining to practicable enforceability of emission limitations, the proposed permit was modified to include 12-month rolling average compliance periods for Synthetic Minor and PSEL conditions.

GGG/EJD

PLANT SITE EMISSION LIMIT DETAIL SHEET
BASELINE YEAR 1978

EMISSION POINT	OPERATING PARAMETER	EMISSION FACTOR RATE	EMISSION FACTOR REFERENCE	EMISSIONS TONS/YEAR
Volatile Organic Compounds				
Product storage and handling losses				
	Fixed Roof Tanks - 3,692,857 bbl gasoline	Tank specific	AP-42 Tanks 3.0	(308.3 Unadjusted)(1)
	Fixed Roof Tanks - 3,692,857 bbl gasoline	Tank specific Adjusted for rule	AP-42 Tanks 3.0	17.2 Adjusted(2)
	Fixed Roof Tanks - 1,822,941 bbl fuel oil/diesel	Tank specific	AP-42 Tanks 3.0	1.4
Bulk Loading				
Truck Loading	110,800,000 gal gasoline	6.2 lbs/10^3 gal	AP-42	(343.5 Unadjusted)(3)
	110,800,000 gal gasoline	0.67 lbs/10^3 gal Adjusted for rule	Regulatory Limit	37.1 Adjusted (4)
	53,594,465 gal diesel/ heating oil(5)	0.014 lbs/10^3 gal	AP-42	0.4
Marine Vessel Loading				
	23,300,000 gal gasoline	3.9 lbs/10^3 gal	AP-42	45.4
	11,484,528 gal diesel/ heating oil(6)	0.012 lbs/10^3 gal	AP-42	0.1
Oil/Water Separator				
	3000 gal/day throughput 1,095,000 gal/yr(7)	5 lbs/10^3 gal	FIRE	3

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PLANT SITE EMISSION LIMIT DETAIL SHEET
BASELINE YEAR 1978

EMISSION POINT	OPERATING PARAMETER	EMISSION FACTOR RATE	EMISSION FACTOR REFERENCE	EMISSIONS TONS/YEAR
Fugitive Emissions (valves, pumps, flanges, etc.)	327 Valves	47 lb/source•yr	AP-42 S. Coast AQMD	7.8
	12 Pumps	432 lb/source•yr	AP-42 S. Coast AQMD	2.6
	604 Flanges	4.9 lb/source•yr	AP-42 S. Coast AQMD	1.5
	856 Other connectors	4.9 lb/source•yr	AP-42 S. Coast AQMD	2.1
Asphalt Operations				
Storage	32,613,000 Asphalt feed stock 18,315,360 gal finished asphalt	Tank specific	AP-42 Tanks 3.0	4.7
Loading	18,315,360 gal asphalt loaded	0.48 lbs/10^3 gal	AP-42 w/Chevron monitoring data	4.4
Boilers				
Erie City Cleaver Brooks	72.65 MMBtu/hr total input			
	10,128 gal No. 2 fuel oil	0.2 lbs/10^3 gal	AP-42	negligible
	159.3 x 10^6 ft^3 nat. gas	2.8 lbs/10^6 ft^3	AP-42	0.2
Aggregate Insignificant Activities	Lube oil, gear oil, asphalt emulsions			1
			VOC Total	**128.9**

PLANT SITE EMISSION LIMIT DETAIL SHEET
BASELINE YEAR 1978

EMISSION POINT	OPERATING PARAMETER	EMISSION FACTOR RATE	EMISSION FACTOR REFERENCE	EMISSIONS TONS/YEAR
Particulate Matter				
Erie City				
Cleaver Brooks	72.65 MMBtu/hr total input			
	10,128 gal No. 2 fuel oil	2 lbs/10^3 gal	AP-42	negligible
	159.3 x 10^6 ft^3 nat. gas	14.0 lbs/10^6 ft^3	AP-42	1.1
			PM Total	1.1
Oxides of Nitrogen				
Erie City				
Cleaver Brooks	72.65 MMBtu/hr total input			
	10,128 gal No. 2 fuel oil	20 lbs/10^3 gal	AP-42	0.1
	159.3 x 10^6 ft^3 nat. gas	140 lbs/10^6 ft^3	AP-42	11.2
			NO_X Total	11.3
Carbon Monoxide				
Erie City				
Cleaver Brooks	72.65 MMBtu/hr total input			
	10,128 gal No. 2 fuel oil	5 lbs/10^3 gal	AP-42	negligible
	159.3 x 10^6 ft^3 nat. gas	35 lbs/10^6 ft^3	AP-42	2.8
			CO Total	2.8
Sulfur Dioxide				
Erie City				
Cleaver Brooks	72.65 MMBtu/hr total input			
	10,128 gal No. 2 fuel oil	71 lbs/10^3 gal	AP-42	0.4
	159.3 x 10^6 ft^3 nat. gas	2.6 lbs/10^6 ft^3	DEQ - 1993[8]	0.2
			SO_2 Total	0.6

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(1) "Unadjusted" emission quantity represents baseline emission rate for fixed roof gasoline storage tanks, unadjusted for Department RACT rules for storage vessels. Emission quantity includes emissions for two fixed roof tanks (2915 and 4259), equipped with internal floating pans and primary seals (RACT compliant) that were present during the baseline year. Other fixed roof gasoline storage tanks were connected to a Horton dome with diaphragm (vapor bag) for vapor control/recovery. Control efficiency was assumed to be 50%. "Unadjusted" emission quantity is for display purposes only and has been excluded from the VOC baseline emission summation.

(2) "Adjusted" emission quantity represents baseline emission rate for fixed roof gasoline storage tanks, adjusted for Department RACT rules for storage vessels. Emission s were calculated assuming that each fixed roof gasoline storage tank was with equipped with an internal floating pan with primary seal.

(3) "Unadjusted" emission quantity represents baseline emission rate for the truck loading rack unadjusted for Department RACT rules for gasoline terminals. "Unadjusted" emission quantity is for display purposes only and has been excluded from the VOC baseline emission summation.

(4) "Adjusted" emission quantity represents baseline emission rate for the truck loading rack adjusted for Department RACT rules for gasoline terminals.

(5) Actual quantity of diesel/heating oil loaded into trucks in the baseline year was not available in the source file. It was assumed that 70% of the annual diesel/heating oil throughput was loaded into trucks based upon historical operational performance documented in the file.

(6) Actual quantity of diesel/heating oil loaded into marine vessels in the baseline year was not available in the source file. It was assumed that 15% of the annual diesel/heating oil throughput was loaded into marine vessels based upon historical operational performance documented in the file.

(7) Actual quantity of liquid throughput for the oil/water separators in the baseline year was not available in the source file. It was assumed that this quantity was identical to current typical years.

(8) Emission factor based upon sulfur content of Portland area natural gas supply - determined in 1993.

PLANT SITE EMISSION LIMIT DETAIL SHEET
Current - 1998 (January)

EMISSION POINT	OPERATING PARAMETER	EMISSION FACTOR RATE	EMISSION FACTOR REFERENCE	EMISSIONS LBS/DAY	EMISSIONS TONS/YEAR
Volatile Organic Compounds					
Product storage and handling losses					
	Int. Floating Roof Tanks - 9,175,648 bbl gasoline/ethanol/Ht. Oil	Tank Specific	AP-42 TANKS 2.0/3.0	170	30.9
	Fixed Roof Tanks –13,695,212 bbl fuel oil/diesel/base oil/RFO/MFO	Tank Specific	AP-42 TANKS 2.0/3.0	13	2.4
Bulk Loading Truck Loading	Max Load Rate = 3,600 gal/min 460 MMgal petroleum products loaded	0.096 lbs/10^3 gal	Source Test	250	22.1
Marine Vessel Loading	Max Load Rate = 3,600 gal/min 14.7 MMgal gasoline	3.9 lbs/10^3 gal	AP-42	10,108	28.7
	85.7 MMgal diesel	0.012 lbs/10^3 gal	AP-42	62	0.5
Oil/Water Separator	20,000 gal/day throughput 4,653,750 gal/yr	5 lbs/10^3 gal	FIRE	100	11.6
Fugitive Emissions (valves, pumps, flanges, etc.)	327 Valves	1.4 lb/source•yr	API Pub. No. 4588	2	0.2
	12 Pumps	27.2 lb/source•yr	API Pub. No. 4588	2	0.2
	1460 Flanges/other connections	0.6 lb/source•yr	API Pub. No. 4588	3	0.4

PLANT SITE EMISSION LIMIT DETAIL SHEET
Current - 1998 (January)

EMISSION POINT	OPERATING PARAMETER	EMISSION FACTOR RATE	EMISSION FACTOR REFERENCE	EMISSIONS LBS/DAY	EMISSIONS TONS/YEAR
Boilers					
Erie City Cleaver Brooks	72.65 MMBtu/hr total input				
	residual oil - no use projected	0.28 lbs/10^3 gal	AP-42	4	
	369,000 gal fuel oil (0.3% S)	0.2 lbs/10^3 gal	AP-42		0.04
	144 MMft^3 nat. gas	2.8 lbs/10^6 ft^3	AP-42		0.2
Insignificant Activities					
	Rail Car Loading (lube oil, fuel oil, additives)			6	1
	Barge loading diesel/fuel oil				
			VOC Totals	10,720	98.2
Particulate Matter					
Erie City Cleaver Brooks	72.65 MMBtu/hr total input				
	residual oil - no use projected	20.5 lbs/10^3 gal	AP-42	239	
	369,000 gal fuel oil (0.3% S)	2 lbs/10^3 gal	AP-42		0.4
	144 MMft^3 nat. gas	14.0 lbs/10^6 ft^3	AP-42		1
			Total PM/PM_{10}	239	1.4
Oxides of Nitrogen					
Erie City Cleaver Brooks	72.65 MMBtu/hr total input				
	residual oil - no use projected	55 lbs/10^3 gal	AP-42	640	
	369,000 gal fuel oil (0.3% S)	20 lbs/10^3 gal	AP-42		3.7

PLANT SITE EMISSION LIMIT DETAIL SHEET
Current - 1998 (January)

		EMISSION FACTOR		EMISSIONS	
EMISSION POINT	OPERATING PARAMETER	RATE	REFERENCE	LBS/DAY	TONS/YEAR
	144 $MMft^3$ nat. gas	140 $lbs/10^6 ft^3$	AP-42		10.1
			Total NO_X	640	13.8
Carbon Monoxide					
Erie City					
Cleaver Brooks	72.65 MMBtu/hr total input				
	residual oil - no use projected	5 $lbs/10^3$ gal	AP-42	59	
	369,000 gal fuel oil (0.3% S)	5 $lbs/10^3$ gal	AP-42		1
	144 $MMft^3$ nat. gas	35 $lbs/10^6 ft^3$	AP-42		2.5
			Total CO	59	3.5
Sulfur Dioxide					
Erie City					
Cleaver Brooks	72.65 MMBtu/hr total input				
	residual oil - no use projected	274.75 $lbs/10^3$ gal	AP-42	3194	
	369,000 gal fuel oil (0.3% S)	71 $lbs/10^3$ gal (emission factor based on 0.5% S for operational flexibility)	AP-42		13.1
	144 $MMft^3$ nat. gas	2.6 $lbs/10^6 ft^3$	AP-42		0.2
			Total SO_2	3194	13.3

	REQUESTED PSEL							PERMIT NUMBER:		26-2026
								APPLICATION NUMBER:		14942
FUEL BURNING EQUIPMENT ID.:	ERIE BOILER(1) and CLEAVER BROOK BOILER(2)								PAGE:	B1
Erie Boiler CAPACITY:	5.80E+01		million btu/h	;assuming one boiler is operated at a time						
ENTER CODE:	1		1 if Industrial Boiler (10 to 100 million btu/hr)							
			2 if Commercial Boiler (0.5 TO 10 million btu/hr)							
	Natural Gas		Distillate		Residual					
	(M.scf)		(gallon)		(gallon)					
ANNUAL FUEL USAGE:	144.00		369000		0.00E+00					
FUEL SULFUR CONTENT (%):	–		0.5		1.75					
RESIDUAL FUEL OIL GRADE:	–		–		5					
MAX. DAILY CAPACITY:	1.33E+00		9.94E+03		0.00E+00					
EMISSION FACTORS:	NATURAL GAS									
	(lb/10+6 scf)				DIST. OIL		RESIDUAL OIL (lbs/10+3 gal)			
	annual avg.		maximum		(lb/10+3 gal)		GRADE 6	GRADE 5	GRADE 4	GRADE 2
PM/PM10	2.5		2.5		2		19.30	10.00	7.00	2.00
SO2	2.6		3.8		71		274.75	274.75	262.50	–
NOx	140		140		20		55.00	55.00	20.00	–
CO	35		35		5		5.00	5.00	5.00	–
VOCs	2.8		3.8		0.2		0.28	0.28	0.20	–
	— DAILY EMISSIONS (lbs/day) —						— ANNUAL EMISSIONS (tons/yr) —			
	gas		distillate		residual oil grade	6	gas	dist.	resd.	TOTAL
PM/PM10	3.314		19.886		0.000		0.18	0.37	0.00	0.55
SO2	5.038		705.943		0.000		0.19	13.10	0.00	13.29
NOx	185.600		198.857		0.000		10.08	3.69	0.00	13.77
CO	46.400		49.714		0.000		2.52	0.92	0.00	3.44
VOCs	5.038		1.989		0.000		0.20	0.04	0.00	0.24
CONVERSION FACTORS:										
1050	btu/scf n.g.									
150000	btu/gal residul oil									
140000	btu/gal distillate oil									

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	(1977) BASELINE PSEL							PERMIT NUMBER:		26-2026
								APPLICATION NUMBER:		14942
FUEL BURNING EQUIPMENT ID.:	ERIE BOILER(1) and B&W Boiler								PAGE:	B2
Erie Boiler CAPACITY:	5.80E+01		million btu/hr							
ENTER CODE:	1		1 if Industrial Boiler (10 to 100 million btu/hr)							
			2 if Commercial Boiler (0.5 TO 10 million btu/hr)							
	Natural Gas		Distillate		Residual					
	(M.scf)		(gallon)		(gallon)					
ANNUAL FUEL USAGE:	0.00		2112500		0.00E+00					
FUEL SULFUR CONTENT (%):	–		0.5		1.75					
RESIDUAL FUEL OIL GRADE:	–		–		5					
MAX. DAILY CAPACITY:	1.33E+00		9.94E+03		0.00E+00					
EMISSION FACTORS:	NATURAL GAS									
	(lb/10+6 scf)				DIST. OIL		RESIDUAL OIL (lbs/10+3 gal)			
	annual avg.		maximum		(lb/10+3 gal)		GRADE 6	GRADE 5	GRADE 4	GRADE 2
PM/PM10	2.5		2.5		2		19.30	10.00	7.00	2.00
SO2	2.6		3.8		71		274.75	274.75	262.50	–
NOx	140		140		20		55.00	55.00	20.00	–
CO	35		35		5		5.00	5.00	5.00	–
VOCs	2.8		3.8		0.2		0.28	0.28	0.20	–
	— DAILY EMISSIONS (lbs/day) —						— ANNUAL EMISSIONS (tons/yr) —			
	gas		distillate		residual oil grade 6		gas	dist.	resd.	TOTAL
PM/PM10	3.314		19.886		0.000		0.00	2.11	0.00	2.11
SO2	5.038		705.943		0.000		0.00	74.99	0.00	74.99
NOx	185.600		198.857		0.000		0.00	21.13	0.00	21.13
CO	46.400		49.714		0.000		0.00	5.28	0.00	5.28
VOCs	5.038		1.989		0.000		0.00	0.21	0.00	0.21
CONVERSION FACTORS:										
1050	btu/scf n.g.									
150000	btu/gal residul oil									
140000	btu/gal distillate oil									

Call dated on MFO
JS.

CITY OF PORTLAND ENVIRONMENTAL SERVICES

Water Pollution Control Laboratory
6543 N. Burlington Ave., Portland, Oregon 97203-5452
(503) 823-5600

Expiration Date : 05/01/2008

Permit Number: 400.181
Page: i

WASTEWATER DISCHARGE PERMIT

ISSUED TO:	ConocoPhillips, Portland Terminal
SIC CODE:	2992 & 5171
PLANT TYPE:	Petroleum Products, storage, packaging, and distribution
EPA CATEGORY:	Non-Categorical
LOCATION:	5528 NW Doane Ave. Portland, Oregon 97210
MAILING ADDRESS:	P.O. Box 76 Portland, Oregon 97210
RESPONSIBLE OFFICIAL:	John Sherman
PHONE NUMBER:	(503) 248-1538
FAX NUMBER:	(503) 248-1592

EXPIRATION DATE: 05/01/2008

INDUSTRIAL SOURCE CONTROL MANAGER — Gerald W. Baumgartner — 5-1-03 Effective Date

PREPARED BY: Eric De Berry
CHECKED BY : MAS

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INTRODUCTION

PERMITTED ACTIVITIES

The permittee is authorized to discharge industrial wastewater to the City of Portland's sewer system in compliance with Chapter 17.34 of the City Code, the Bureau of Environmental Services Administrative Rules and any applicable provisions of federal or state laws or regulations and in accordance with discharge point(s), effluent limitations, monitoring requirements, and all other conditions set forth herein.

It is the permittee's duty to comply with all conditions of this permit. Any noncompliance with permit requirements constitutes a violation of Chapter 17.34 of Portland's City Code and, as such, subjects the permittee to enforcement action(s).

Schedule A
WASTEWATER DISCHARGE LIMITATIONS

Listed below are the waste discharge limitations not to be exceeded after **the permit effective date**. Applicable regulations include Chapters 17.34 and 17.36 of the Code of the City of Portland and 40 CFR Part 403. The point of compliance with the discharge limitations shall be #1A.

POC (*)	Pollutant Name	Local Limit Daily Max (mg/L)	Categorical Limit (mg/Lmg/l, lb / off lb) Daily	Monthly
	METALS			
	Arsenic	0.2		
	Cadmium	0.7		
	Chromium	5.0		
	Copper	3.7		
	Lead	0.7		
	Mercury	0.010		
	Molybdenum	1.4		
	Nickel	2.8		
	Selenium	0.6		
	Silver	0.4		
	Zinc	3.7		
	NON-METALS (INORGANICS)			
	Cyanide	1.2		
*	**pH**	**5.0-11.5 su**		
	Sulfide	4.0		
	NON-METALS (ORGANICS)			
	1,2-Dichloroethane	0.50		
	2,4-Dinitrotoluene	0.13		
	Acyrlonitrile	1.00		
	Chlordane	0.03		
	Chlorobenzene	0.20		
	Chloroform	0.20		
	Nitrobenzene	2.00		
	Pentachlorophenol	0.04		
	Trichloroethylene	0.20		
*	**Non-polar Oil & Grease**	**110**		
	Total Toxic Organics	see note 7		
	Permit Specific Limits	see note 5		

Notes:

1. This schedule may be revised upon written notification by the City to accommodate process changes by the permittee or as determined by the Director of Environmental Services.

2. In addition to the limits stated in Schedule A, the permittee shall comply with all other applicable City, State and Federal regulations.

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3. The pollutant parameters marked with an asterisk (*) are the pollutants of concern. At a minimum, the permittee is required to monitor for pollutants of concern. All limits are applicable at the point of compliance.

Schedule B
MONITORING AND REPORTING REQUIREMENTS

I. Periodic Compliance Self-Monitoring Report

Parameter	Sample Type	First Quarter			Second Quarter			Third Quarter			Fourth Quarter		
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
Non-Metals													
pH	**Grab**			✓			✓			✓			✓
Oil and Grease (total)	**Grab**			✓			✓			✓			✓
Due Dates		Feb 15	Mar 15	Apr 15	May 15	Jun 15	Jul 15	Aug 15	Sept 15	Oct 15	Nov 15	Dec 15	Jan 15

I. Periodic Compliance Self-Monitoring Report, Notes:

1. Periodic Compliance Reports are to be submitted to the Industrial Source Control Division by the 15th of the month following the conclusion of the reporting period. Sampling, analysis, and reporting will follow the schedule above.

2. All official sampling shall be taken at the approved sampling location. (See Appendix 2: sampling location map.)

3. The permittee shall analyze samples for all listed parameters plus any other which might be expected to be present in significant quantities.

4. The permittee shall submit all self-monitoring results to the Industrial Source Control Division as part of their monitoring and reporting requirements.

5. All monitoring results are to be mailed to:

   Industrial Source Control Division
   Bureau of Environmental Services
   City of Portland
   6543 N. Burlington Ave.
   Portland, OR 97203

Schedule B
MONITORING AND
REPORTING REQUIREMENTS

6. Periodic Compliance Reports are to be submitted by the 15th of each month following the report period for each sampling location. The reports shall consist of:

   a. Statement of compliance/noncompliance, signed by the officially designated contact person (statement is found on bottom of the self-monitoring report form).

   b. Sample analysis results recorded on the appropriate self-monitoring report form and chain of custody for sample collected.

   c. Originals of all laboratory analysis sheets showing who analyzed sample, date and time sample was analyzed, analytical methods used, method detection limit, test result, and quality assurance/quality control.

   d. Copies of pH charts (if any) showing violations (if any).

   e. Any other reports that may be required.

   f. Calculations of monthly average, if appropriate.

7. The permittee should instruct its laboratory that, if the oil and grease (total) concentration exceeds 110 mg/L, the laboratory should determine the concentrations of the polar and non-polar oil and grease fractions.

8. The City may reduce or increase the frequency of sampling, based on the analytical results submitted.

9. As per 40 CFR 403.12(g)(5), if an industrial user subject to the reporting requirements of Schedule B monitors any parameter from the official sampling location more frequently than required, using procedures specified in Schedule E14(c), the results of their monitoring must be submitted in the required report.

Schedule C
COMPLIANCE SCHEDULE

Schedule D
SPECIAL CONDITIONS

Schedule E
GENERAL CONDITIONS

1. **Accidental Spill Prevention Plan**

To comply with Section 17.34.090 of the City Code, the permittee shall submit a new or revised Accidental Spill Prevention Plan (ASPP) to the Industrial Wastewater Management Section 90 days after the effective date of this permit. The plans shall include the following elements.

a. A description of the hazardous substances handled and their potential points of entry into the City sewer system or storm runoff

b. A description of the measures to be taken to prevent entry at the described points before a spill occurs

c. Measures to be taken to contain a spill if one occurs

d. A description of employee training in the prevention and control of spills

e. A posted notice informing employees of the requirement to notify the Bureau of Environmental Services in case of spills or uncontrolled discharges.

2. **Appeal**

Upon receipt of a final industrial wastewater discharge permit, a permittee may appeal any of its terms or conditions to the Code Hearings Officer in accordance with procedures set out at Chapter 22.10 of the Portland City Code; provided that such an appeal shall include a copy of the permit that is the subject of the appeal, shall state the basis for the appeal, and shall be filed with the Code Hearings Officer and the Bureau of Environmental Services.

3. **Authorized Discharge**

All discharge and activities authorized herein shall be consistent with the terms and conditions of this permit, Chapter 17.34 of the City Code and the Administrative rules. The discharge of any pollutant in excess of these limits shall constitute a violation of the terms and conditions of this permit.

4. **Bypass or Diversion**

The diversion or bypass (the intentional diversion of wastestreams from any portion of a permittee's treatment facility) of any discharge, from facilities used by the permittee, to maintain

compliance with the terms and conditions of this permit is prohibited except:

a. When unavoidable to prevent loss of life or severe property damage.

b. When excessive storm drainage or runoff would damage facilities necessary for compliance with the terms and conditions of this permit.

4. Bypass or Diversion (continued)

The permittee shall immediately notify the City in writing of each such diversion or bypass, in accordance with the procedure specified in condition No. 23.

5. Certification

Legible copies of all applications, reports, and information submitted to the City shall be signed and certified as follows in accordance with 40 CFR 403.12.

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.

6. Chemical Storage

Chemicals shall be stored in a manner that will prevent the entry of these substances into the sanitary, combined sewer, or storm sewer system, or waters of the state.

7. Continuous Compliance

Compliance with Schedule E, No. 23 shall not relieve the permittee from responsibility to maintain continuous compliance with the conditions of this permit.

8. Dilution Prohibition

It is unlawful for a discharger to use dilution as a partial or complete substitute for adequate treatment to achieve compliance with the standards and limitations set forth in this permit. The Director may impose mass limitations on dischargers who are using dilution to meet the applicable pretreatment standards or the requirement set forth in this permit.

9. Enforcement Provision

A violation of any conditions, standards or requirements of this permit constitutes a violation of Chapter 17.34 of the City Code and any rules promulgated thereunder. Therefore, the City may seek any or all of the remedies or penalties provided for in Section 17.34.110 of the City Code, including recovery of costs incurred by the City, in response to the following:

a. Any violation by the permittee of the provisions in this Industrial Wastewater Discharge Permit.

b. Any violation by the permittee of the provisions of the City Code.

9. Enforcement Provision (continued)

c. Any violation by the permittee of an Enforcement Action requirement with respect to provisions set forth in this Industrial Wastewater Discharge Permit and the City Code and Administrative Rules.

The range or severity of enforcement actions taken by the City against the permittee will be determined by, but not limited to, the nature, magnitude, duration, and frequency of the violation as provided by City Code and Administrative Rules.

10. Extra-Strength Sewer Charge (ESSC)

Discharges exceeding 300 mg/L for the 5-day biochemical oxygen demand (BOD) or 350 mg/L total suspended solids (TSS) concentrations (as defined in Section 17.36.060(1) of the City Code) shall be subject to the extra-strength sewer charge (ESSC) established in Section 17.36.060(1).

11. Hazardous Waste Notification

The industrial user shall notify the Industrial Source Control Division Section, the POTW, the EPA Regional Waste Management Division Director, and State hazardous waste authorities in writing of any discharge into the POTW of a substance, which, if otherwise disposed of, would be a hazardous waste under 40 CFR Part 261. Such notification must include the name of the hazardous waste as set forth in 40 CFR Part 261, the EPA hazardous waste number, and the type of discharge (continuous, batch, or other). If the industrial user discharges more than 100 kilograms of such waste per calendar month to the POTW, the notification shall also contain the following information to the extent such information is known and readily available to the industrial user: an identification of the hazardous constituents contained in the wastes, an estimation of the mass and concentration of such constituents in the wastestream discharged during that calendar month, and an estimation of the mass of constituents in the wastestream expected to be discharged during the following 12 months.

12. Inspection and Entry

The permittee shall, at all reasonable times, allow authorized representatives of the City:

a. To enter the permittee's premises where an effluent source or disposal system is located or where any records associated with this permit are kept.

b. To have access to any required records and permission to copy these records. At no time can wastewater effluent data be claimed or held as confidential information.

c. To inspect and evaluate any monitoring equipment or monitoring methods required by this permit.

d. To sample any discharge to the sewer system.

13. Liability

The City of Portland, its officers, agents or employees shall not sustain any liability due to the issuance of this permit or the construction or maintenance of facilities resulting from this permit.

14. Monitoring

a. The permittee shall record the following information:

* The exact date, time, and place of sampling
* Name of person who collected the sample(s)
* Type of sample(s) collected
* The dates analyses were performed
* Who performed the analyses
* The analytical techniques or methods used
* The results of all required analyses
* Whether quality assurance and quality control laboratory procedures are followed

b. Samples and measurements, taken to meet the requirements of the above condition, shall be representative of the effluent. Grab samples must be collected for pH, cyanide, phenol, sulfide, volatile organic compounds and oil and grease monitoring.

c. All sampling and analytical methods used to meet the monitoring requirements specified in this permit shall, unless otherwise approved in writing by the City, conform to the Guidelines Establishing Test Procedures for the Analysis of

Pollutants as specified in 40 CFR, Part 136. Laboratory quality assurance and quality control programs should be documented. EPA QA/QC programs should be followed.

d. The permittee is required to document proper installation, and maintenance of flow monitoring and sampling equipment.

e. If the results of the permittee's wastewater analysis indicate that a noncompliance has occurred, the permittee must notify the City's Industrial Source Control Division Section within 24 hours of becoming aware of the noncompliance. The permittee must also repeat the sampling within 24 hours of the effluent noncompliance or next process day and submit the analysis to the City within 30 days after becoming aware of the noncompliance.

14. Monitoring (continued)

f. The permittee shall take all reasonable steps to minimize or correct any adverse impact to the POTW or the environment resulting from noncompliance with this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.

g. If requested, the permittee shall provide or split discharge samples with the City of Portland Water Pollution Control Laboratory.

15. Permit Modification

This permit may be modified with 30 days prior written notification, in whole or in part, for causes including but not limited to the following:

a. A change in the City's NPDES permit or any other condition that requires either a temporary or permanent elimination of any authorized discharge.

b. To incorporate new or revised federal, state, or local pretreatment standards or requirements.

c. Information indicating that the permitted discharge poses a threat to the City's collection and treatment system, POTW personnel, or the receiving waters and sludge.

d. To correct typographical or other errors in the permit.

e. Any significant change in the volume of a permitted discharge.

16. Permit Renewal

This permit is issued to a specific entity and cannot be transferred by the industrial user and must be renewed pursuant to Section 17.34.070 of the Code of the City of Portland and Permit Applications must be received 90 days prior to:

a. Expiration date of current permit.

b. In the event the permittee plans to cease operations at the present location, and plans to relocate within the City of Portland's jurisdiction and continue the same permitted activities.

c. The permitted industrial process being significantly altered or changed so that pollutants not specifically mentioned in the current permit are present in the permittee's discharge.

17. Permit Suspension or Termination

a. Violation of any terms or conditions of this permit or any applicable rule, standard, or order of the director of the Bureau of Environmental Services.

17. Permit Suspension or Termination (continued)

b. Obtaining this permit by misrepresentation or failure to fully disclose all relevant facts.

c. Falsifying self-monitoring reports.

d. Tampering with monitoring equipment.

e. Refusing to allow prompt access to the facility premises and records.

f. Failure to meet effluent limitations.

g. Failure to pay fines.

h. Failure to meet compliance schedules.

18. Plant Closure

In the event the permittee plans to cease operations at the present business location, and not to relocate within the City of Portland's jurisdiction, the permittee shall inform this office, in writing, 60 days prior to plant closure.

19. Property Rights or Privileges

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges; it does not authorize any injury to private property or any invasion of personal rights; and it does not authorize any infringements or federal, state, or local laws or regulations.

20. Records Retention

All records of monitoring activities and results, including all original strip chart recordings for continuous monitoring instrumentation (and calibration and maintenance records), shall be retained by the permittee for a minimum of three years. This retention period shall be extended during the course of any unresolved litigation pertaining to the discharge of pollutants by the permittee, or whenever it is requested by the City, the Approval Authority (DEQ), the Regional Administrator (EPA).

21. Reporting Requirements

a. Accidental or Slug Loading

The permittee shall notify the City immediately, either in person or by telephone (Duty Officer Pager # 323-3398 and Lead Operator CBWTP # 823-2530), if accidental or slug loading to the sanitary sewer occurs. A formal written report, discussing circumstances and remedies, shall be submitted to the City within 5 days of the occurrence.

21. Reporting Requirements (continued)

b. Changes in Wastewater Characteristics

The permittee shall give notice to the Industrial Source Control Division Section 90 days before any facility expansion, production increase, or process modifications that result in new or substantially increased discharges or a change in the nature of the discharge.

c. Change in representative

If the responsible corporate official changes, notify the City within 10 days, as per 40 CFR 403.12 (1) (4).

22. Severability

The provisions of this permit are severable, and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to the other circumstances and the remainder of this permit shall not be affected.

23. Slug Load Notification

If the permittee is unable to comply with all the conditions of this permit due to a breakdown of equipment or facilities, an accident caused by human error or negligence, or any other cause such as an act of nature, or should any condition cause the release of any slug load, the permittee shall:

a. Immediately take action to stop, contain, clean up the unauthorized discharges, and correct the problem.

b. Immediately call the Lead operator of the Columbia Boulevard Wastewater Treatment Plant (823-2530) so that plant personnel can evaluate the impact of the discharge and take corrective action. Notify Industrial Source Control by calling the Duty Officer, pager # 323-3398.

c. Within five (5) days submit a detailed written initial report to the City describing the breakdown, the actual quantity of resultant waste discharges, the corrective action taken, the steps taken to prevent recurrence, and any other pertinent information.

Samples shall be taken immediately upon discovery of the Slug load. Within 15 days, a follow-up report shall be submitted. The report shall contain analysis of samples taken during such discharge and samples taken after normal conditions have been restored. The samples, at a minimum, shall be analyzed for the parameters required in Schedule B. Sampling shall be continued until all parameters are within discharge limits.

24. Upset

a. Definition:

For the purposes of this section, upset means an exceptional incident in which there is unintentional and temporary noncompliance with applicable pretreatment standards, because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

b. Effect of an Upset:

An upset will constitute an affirmative defense to an action brought for noncompliance with applicable pretreatment standards, if the requirements of paragraph c are met.

c. Conditions Necessary for a Demonstration of an Upset:

A permittee who wishes to establish the affirmative defense of an upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:

(1) An upset occurred and the permittee can identify the specific cause(s) of the upset.

(2) The facility was, at the time, being operated prudently, efficiently, and in compliance with applicable operation and maintenance procedures.

(3) The permittee has submitted the following information to the Industrial Source Control Division within 24 hours of becoming aware of the upset (if this information is provided orally, a written submission must be provided within 5 days).

* A description of the indirect discharge and cause of noncompliance
* The period of noncompliance, including exact dates and times or, if not corrected, the anticipated duration of noncompliance
* Steps planned or now being taken to reduce, eliminate, and prevent recurrence of the noncompliance

24. Upset (continued)

d. Burden of Proof

In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset shall have the burden of proof.

e. Permittee Responsibility in Case of an Upset.

If reduction, loss, or failure of its treatment facility occurs, the permittee shall control production of all discharges in order to maintain compliance with applicable pretreatment standards until the facility is restored or an alternative method of treatment is provided. This requirement especially applies if the primary source of the treatment facility power is reduced, lost, or failed.

SCHEDULE "F"
IS AT THE END OF
THIS PERMIT.
John Shuman
6-25-2004

Appendix 1
DEFINITIONS

Abbreviations

BOD_5	Five-day biochemical oxygen demand
mg/L	Milligrams per liter
k	Kilograms
m^3/d	Cubic meters per day
ppm	Parts per million (assumed equal to milligrams per liter)
POTW	Publicly owned treatment works
WPCL	Water Pollution Control Laboratory

Averages for BOD, TSS, and chemical parameters are based on arithmetic mean of samples taken.

Definitions

Bypass

The intentional diversion of wastestreams from any portion of a permittee's treatment facility..

Compatible Pollutant

Biochemical oxygen demand, suspended solids, pH and fecal coliform bacteria, and additional pollutants that the City treatment works is designed to treat.

Conventional Pollutants

Classification of industrial pollutants, which includes BOD (biochemical oxygen demand), suspended solids, fecal coliform, pH (acidity/alkalinity), and other pollutants so designated by EPA, as defined by Section 304(a)(4) of the Clean Water Act.

Director of Environmental Services

The Director of Environmental Services of the City of Portland, Oregon, or that person's duly authorized representative or agent.

City, or City of Portland

The municipality of Portland, Oregon, a municipal corporation of the State of Oregon, acting through the City Council or any board, committee, body, official, or person to whom the Council shall have lawfully delegated the power to act on behalf of the City. Unless a particular board, committee, official, or person is specifically designated in these rules and regulations, wherever action by the City is explicitly required or implied herein, it shall be understood to mean action by the Director of Environmental Services of Portland, Oregon, or that person's duly authorized representative or agent.

Effective Date of this Permit

The date this permit is signed by the Director of the Bureau of Environmental Services.

Expiration Date

From 1 to 5 years beyond the effective date of this permit.

Hazardous or toxic substances

Hazardous or toxic substances are those substances referred to in section 101(14) of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (42 U.S. Code 9601 et seq.), section 502(13) of the Clean Water Act, and any other substances so designated by the Director of Environmental Services and contained in rules adopted pursuant to this Chapter.

Industrial Waste

Any liquid, solid, or gaseous substance (or combination thereof) resulting from any process of industry, manufacturing, commercial food processing, business, agriculture, trade, or research, including but not limited to the development, recovery, or processing of natural resources and leachate from landfills or other disposal sites.

Industrial Wastewater Discharge Permit

A permit to discharge industrial wastewater into the City sewer system issued under the authority of the City Code, which prescribes certain discharge requirements and limitation.

Interference

Interference means a discharge which, alone or in conjunction with a discharge or discharges from other sources, inhibits or disrupts the normal operation of the City sewer system, or which causes a violation of any requirement of the POTW's NPDES permit (including an increase in the magnitude or duration of a violation) or any increase in the cost of treatment of sewage or in the cost of sewage sludge use or disposal in compliance with the following statutory provisions and regulations or permits issued thereunder (or more stringent State or local regulations); Section 405 of the Clean Water Act, the Solid Waste Disposal Act (including Title II, more commonly referred to as the Resource Conservation and Recovery Act), and including State regulations contained in any State sludge management plan prepared pursuant to Subtitle D of RCRA, the Clean Air Act, the Toxic Substances Control Act, and the Marine Protection, Research and Sanctuaries Act.

Maximum Daily Discharge Limitation

The highest allowable daily discharge.

Nonconventional Pollutants

All pollutants that are not specifically designated as either conventional or toxic.

Oil and Grease

Fats, Oils and Grease. Fats, oils and grease are those substances which are measured by USEPA Method 1664: N-Hexane Extractable Method (HEM) and Silica Gel Treated N-Hexane Extractable Material (SGT-HEM).

(a) Non-polar fats, oils and grease are that portion of fats, oils and grease which is measured as non-polar (from petroleum sources) by USEPA Method 1664.

(b) Polar fats, oils and grease are that portion of fats, oils and grease which is determined to be polar (of animal or vegetable origin) by USEPA Method 1664.

Pass Through

Pass through means a discharge which exits the POTW into waters of the United States in Quantities or concentrations which, alone or in conjunction with a discharge or discharges from other sources, is a cause of a violation of any requirement of the POTW's NPDES permit (including an increase in the magnitude or duration of a violation).

POTW

POTW means Publicly Owned Treatment Works, which includes any devices and systems, owned by a State or municipality, used in the collection, transportation, storage, treatment, recycling and reclamation of wastewater.

Pretreatment

The reduction of the amount of pollutants, the elimination of pollutants, or the alternation of the nature of pollutant properties in wastewater to a non-harmful state, prior to or in lieu of discharge of such pollutants into the City sewer system.

Sampling

a. The "monthly average" other than pH is the arithmetic mean of samples collected curing a calendar month.

b. The "daily maximum" is defined as the greatest allowable value for any calendar day.

c. A "24-hour composite" sample shall mean a flow-proportioned mixture of not less than eight discrete aliquots. Each aliquot shall be a grab sample of not less than 100 ml and shall be collected and preserved in accordance with 40 CFR part 136 and amendments.

d. A "Grab" sample is an individual sample collected in less than 15 minutes, without regard for flow or time.

e. A "Grab-Composite" is a minimum of four grab samples collected and preserved over a 24-hour period and combined to provide a representative sample of effluent being discharged.

Schedule of Compliance

A schedule of remedial measures, including an enforceable sequence of actions or operations leading to compliance with an effluent limitation or other limitation, prohibition, or standard.

Severe Property Damage

Substantial physical damage to the treatment facilities that causes them to become inoperable, or substantial and permanent loss of natural resources that can occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

Slugload

A slugload is any discharge of a non-routine, episodic nature, including but not limited to an accidental spill or a non-customary batch discharge.

Solid Waste

Any garbage, refuse, or sludge from a waste treatment plant, water supply treatment plant, or air pollution control facility including solid, liquid, semisolid, or contained gaseous material resulting from industrial, commercial, mining, and agricultural operations, and from community activities, but does not include solid or dissolved material in domestic sewage, or solid or dissolved materials in irrigation return flows or industrial discharges that are point sources subject to permits.

Solid Waste Disposal

The final placement of refuse that cannot be salvaged or recycled.

Solvent Management Plan

A plan that specifies the toxic organic compounds used, the method of disposal used (instead of dumping into wastestreams), and procedures for ensuring that toxic organics do not spill or leak into wastewater discharged to the City sewer system.

Total Dissolved Solids

The total dissolved (filterable) solids as determined by use of the method specified in the list of approved test procedures.

Total Organic Active Ingredients

The sum of all organic active ingredients covered by the organic pesticide chemicals manufacturing subcategory, which are manufactured at a facility subject to the effluent guidelines for pesticides chemicals manufacturing.

Total Solids

The sum of dissolved and undissolved constituents in water or wastewater, usually expressed as milligrams per liter.

Total Suspended Solids

Total suspended matter that either floats on the surface or is in suspension in water or wastewater and that are removable by laboratory filtering (as described in *Standard Methods for the Examination of Water and Wastewaters,* current edition) or Guidelines Establishing Test Procedures for the analysis of Pollutants, contained in 40 CFR 136, as published in the *Federal Register.* (Bureau of Environmental Services Administrative Rules I[22])

Upset

"Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with applicable pretreatment standards, because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

Waste

Unwanted materials left over from manufacturing processes, or refuse from places of human or animal habitation.

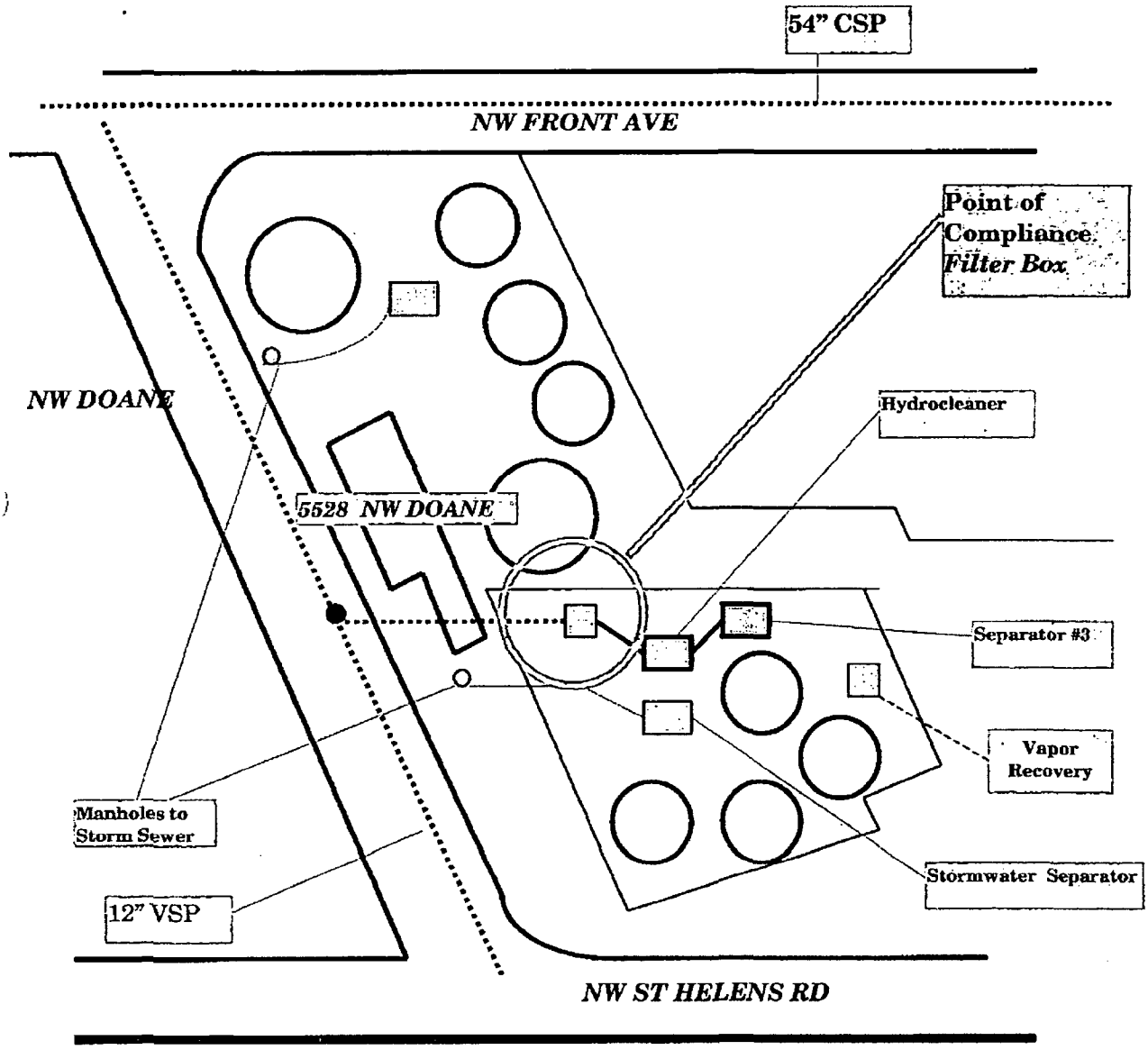
Wastewater

Industrial waste, sewage, or any other waste, including that which may be combined with any groundwater, surface water, or stormwater that may be discharged to the city sewer system.

Water Pollution

The addition of enough harmful or objectionable material to damage water quality.

Appendix 2
SAMPLING LOCATION MAP



Appendix 3
RESERVED: ACCIDENTAL SPILL PREVENTION PLAN

Review and amend ASPP submitted by Tosco Refining
Submit changes by August 1st 2003

Permit Amendments

CITY OF PORTLAND
ENVIRONMENTAL SERVICES

Water Pollution Control Laboratory
6543 N. Burlington Ave., Portland, Oregon 97203-5452
(503) 823-5600

June 17, 2004

John Sherman
CONOCOPHILLIPS COMPANY - PORTLAND TERMINAL
PO BOX 76
Portland OR 97207

Re: Industrial Wastewater Discharge Permit Modification

The Oregon Department of Environmental Quality (DEQ) conducted its annual Pretreatment Compliance Inspection (PCI) on the City of Portland's Pretreatment Program during the week of April 19-22, 2004. As a result of the inspection, DEQ required and recommended several actions. One of the requirements was for the City to *"Modify the permits to include specific permit language defining the federal pretreatment General Prohibitions."*

In response to this requirement, the City has modified its Industrial Wastewater Discharge Permits. Enclosed you will find a copy of Schedule F, which lists the General Prohibitions applicable to all permitted industries. Please attach the enclosed information to your existing Industrial Discharge Permit.

Should you have any questions, please feel free to contact me at 503-823-7468 or contact your Permit Manager.

Sincerely,

Miguel A. Santana
Environmental Manager

Schedule F
GENERAL DISCHARGE PROHIBITIONS

The permittee shall not discharge, cause to discharge or allow to discharge directly or indirectly into the City sewer system any of the following:

1. Wastewater containing substances in such concentrations that they inhibit or interfere with the operation or performance of the sewer system, or that are not amenable to treatment or reduction by the sewage treatment process employed, or are only partially amenable to treatment such that the sewage treatment plant effluent cannot meet the requirements of any agency having jurisdiction over its discharge to the receiving waters, or that prevent or impair the use or disposal of sewage treatment plant sludge and sludge products in accordance with applicable State and federal regulations;

2. Any liquids, solids, or gases which by reason of their nature or quantity are, or may be, sufficient either alone or by interaction to cause fire or explosion or be injurious in any other way to the operation of the sewer system, or wastestreams with a closed cup flashpoint of less than 140 degrees Fahrenheit or 60 degrees Celsius (using test methods prescribed at 40 CFR 261.21), or discharges which cause the atmosphere in any portion of the sewer system to reach a concentration of 10% or more of the Lower Explosive Limit (LEL).

3. Any solid or viscous substances capable of obstructing wastewater which will or may cause obstruction to the flow of wastewater or other interference with the operation of the sewer system;

4. Any noxious, malodorous or toxic liquids gases, vapors or fumes, solids, or other substances which, either singly or by interaction with other wastes, may cause acute or chronic worker health and safety problems, a public nuisance, a hazard or interference with any part of the sewer system;

5. Any industrial wastewater containing a hazardous or toxic substance which, either singly or by interaction with other substances, injures or interferes with the sewer system or constitutes a hazard to humans or animals, or creates a hazard in, or adversely affects the receiving waters, or results in such substances being discharged in combined sewer overflows or sewage treatment plant effluent in any concentrations in excess of limitations imposed by any permit, law or regulation;

6. Any wastes, wastewaters or substances having a pH less than 5.0 or more than 11.5, or capable of causing damage or hazard to structures, equipment, processes or personnel of the sewer system, unless these limits are modified by permit.

7. Any liquid or vapor having a temperature higher than 65 degrees Celsius (149 degrees Fahrenheit) or containing heat in amounts which will inhibit biological activity, or result in interference at the treatment plant. In no case shall a discharge to the sewer system contain heat in such quantities that the temperature of the treatment plant influent exceeds 27 degrees Celsius (80 degrees Fahrenheit);

8. Any material trucked or hauled from a cesspool, holding or septic tank or any other nondomestic source, except such material received at designated locations under City contract or permit in accordance with any other applicable requirements of the City Code 17.34 or rules adopted hereunder;

9. Any substance which may solidify or become discernibly viscous at temperatures above 0 degrees Celsius or 32 degrees Fahrenheit;

10. Any material that has not been properly comminuted to 0.65 centimeters (1/4 inch) or less in any dimension;

11. Any slugload, as defined in City Code 17.34 or rules adopted hereunder;

12. Any substances with excessive color, as determined by the Director of Environmental Services, which are not removed in the treatment process;

13. Any batch discharges without written permission from the Director of Environmental Services. Batch discharges shall comply with all other requirements of City Code 17.34 and rules adopted hereunder;

14. Any concentrations of inert suspended or settleable solids which may interfere with the operation of the sewer system;

15. Any concentrations of dissolved solids which may interfere with the operation of the sewer system;

16. Any radioactive material, except in compliance with a current permit issued by the Oregon State Health Division or other state or federal agency having jurisdiction;

17. Any substance which may cause sewer system effluent or treatment residues, sludges, or scums, to be unsuitable for reclamation and reuse or which interferes with the reclamation process. (In no case, shall a substance discharged to the sewer system cause the City to be in noncompliance with sludge use or disposal criteria, guidelines or regulations developed under the Clean Water Act; any criteria, guidelines or regulations affecting sludge use or disposal developed pursuant to the Solid Waste Disposal Act (42 USC 6901), the Clean Air Act (42 USC 1857), the Toxic Substances Control Act (15 USC 2601), or any other federal or State statutes, regulations or standards applicable to the sludge management method being used, or any amendments thereto.)

18. Petroleum oil, nonbiodegradeable cutting oil, or products of mineral oil origin in amounts that will cause interference or pass through.

19. Noncontact cooling water (except that noncontact cooling water may be discharged to the separate storm sewer system upon approval by the Director of Environmental Services);

20. Any substance that causes the City to violate the terms of its NPDES permit;

INDUSTRIAL WASTE DISCHARGE PERMIT
SEPARATOR #003

Monitoring Requirements:

1. Daily
   a. Estimated[1]
      (1) Flow

2. Quarterly
   a. Grab sample:
      (1) pH: 5.5 - 11.5 SU
      (2) Oil and Grease: maximum of 100 mg/L
      (3) BTEX: no limit stated
         (a) Benzene
         (b) Toluene
         (c) Ethylbenzene
         (d) Xylene

1 – Not a permit requirement, but flow numbers are required to complete permit applications

Reporting Requirements:

1. Quarterly:
   a. Reports are due on the 15th of the month following the monitoring period; include the following:
      (1) Statement of compliance/noncompliance
      (2) Sample analysis
      (3) Originals of all laboratory analysis sheets

CITY OF PORTLAND
ENVIRONMENTAL SERVICES

Water Pollution Control Laboratory
6543 N. Burlington Ave., Portland, Oregon 97203-5452
(503) 823-5600

WASTEWATER DISCHARGE PERMIT

ISSUED TO:	Tosco Northwest Co., Portland Terminal
SIC CODE:	2992, 5171
PLANT TYPE:	Petroleum Products Bulk Storage and Packaging
EPA CATEGORY:	Non-Categorical
LOCATION:	5528 NW Doane Ave. Portland, Oregon 97210
MAILING ADDRESS:	PO Box 76 Portland, Oregon 97207
RESPONSIBLE OFFICIAL:	Mr. Dennis Coey
PHONE NUMBER:	(503) 248-1538
FAX NUMBER:	(503) 248-1522
APPLICATION FEE RECEIVED:	June 13, 1997
EXPIRATION DATE:	August 6, 2002

INDUSTRIAL SOURCE CONTROL MANAGER — Gerald W. Baumgartner — 8-11-97 Effective Date

PREPARED BY: Eric De Berry
CHECKED BY: MAS

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INTRODUCTION

PERMITTED ACTIVITIES

The permittee is authorized to discharge industrial wastewater to the City of Portland's sewer system in compliance with Chapter 17.34 of the City Code, the Bureau of Environmental Services Administrative Rules and any applicable provisions of federal or state laws or regulations and in accordance with discharge point(s), effluent limitations, monitoring requirements, and all other conditions set forth herein.

It is the permittee's duty to comply with all conditions of this permit. Any noncompliance with permit requirements constitutes a violation of Chapter 17.34 of Portland's City Code and, as such, subjects the permittee to enforcement action(s).

Schedule A
WASTEWATER DISCHARGE LIMITATIONS

Listed below are the waste discharge limitations not to be exceeded after **the permit effective date.** Applicable regulations include Chapters 17.34 and 17.36 of the Code of the City of Portland and 40 CFR Part 403 . The point of compliance with the discharge limitations shall be the sampling tee on the effluent filter box downstream from the Wemco Hydrocleaner.

	Pollutant	Daily Maximum Concentration (mg/l)	Monthly Average Concentration mg/L
	Metals		
	Arsenic (total)	0.3	
	Cadmium (total)	0.7	
	Chromium (total)	3.8	
	Copper (total)	2.3	
	Cyanide (total)	1.2	
	Lead (total)	0.7	
	Mercury (total)	0.014	
	Nickel (total)	3.0	
	Silver (total)	0.4	
	Zinc (total)	4.0	
	Non-Metals		
	Ammonia	50	
	Chlorinated Hydrocarbons	0.5	
*	Fats Oil and Grease		
*	(non-polar)	100.0	
	(polar)	500.0	
*	pH (range)	5.5 - 11.5 S.U.	
	Phenolics	1.0	
	Sulfate	500.0	
	Sulfide	50.0	
	Closed Cup Flash Point	Discharges <140 F prohibited	

Notes:

1. This schedule may be revised upon written notification by the City to accommodate process changes by the permittee or as determined by the Director of Environmental Services.

2. In addition to the limits stated in Schedule A, the permittee shall comply with all other applicable City, State and Federal regulations.

3.The pollutant parameters marked with an asterisk (*) are the pollutants of concern. At a minimum, the permittee is required to monitor for pollutants of concern. All limits are applicable at the point of compliance.

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Schedule B
MONITORING AND
REPORTING REQUIREMENTS

I. Periodic Compliance Self-Monitoring Report

Parameter	Sample Type	First Quarter			Second Quarter			Third Quarter			Fourth Quarter		
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
Metals													
Arsenic (total)	Composite												
Cadmium (total)													
Chromium (total)													
Copper (total)													
Cyanide (total)													
Lead (total)													
Mercury (total)													
Nickel (total)													
Silver (total)													
Zinc (total)													
Non-Metals													
Ammonia													
Chlorinated Hydrocarbons													
pH	Grab			✓			✓			✓			✓
Phenolics													
Oil and Grease (non-polar)	Grab			✓			✓			✓			✓
Sulfate													
Sulfide													
Total Toxic Organics (TTO)													
BTEX	Grab			✓			✓			✓			✓
Closed Cup Flash Point													
Due Dates		Feb 15	Mar 15	Apr 15	May 15	Jun 15	Jul 15	Aug 15	Sept 15	Oct 15	Nov 15	Dec 15	Jan 15

MONITORING AND REPORTING REQUIREMENTS

II. Periodic Compliance Self-Monitoring Report, Notes:

1. Periodic Compliance Reports are to be submitted to the Industrial Source Control Division by the 15th of the month following the conclusion of the reporting period. Sampling, analysis, and reporting will follow the schedule above.

2. All official sampling shall be taken at the approved sampling location. (See Appendix 2: sampling location map.)

3. The permittee shall analyze samples for all listed parameters plus any other which might be expected to be present in significant quantities.

4. The permittee shall submit all self-monitoring results to the Industrial Source Control Division as part of their monitoring and reporting requirements.

5. All monitoring results are to be mailed to:

   Industrial Source Control Division
   Bureau of Environmental Services
   City of Portland
   6543 N. Burlington Ave.
   Portland, OR 97203

6. Periodic Compliance Reports are to be submitted by the 15th of each month following the report period for each sampling location. The reports shall consist of:

   a. Statement of compliance/noncompliance, signed by the officially designated contact person (statement is found on bottom of the self-monitoring report form).

   b. Sample analysis results recorded on the appropriate self-monitoring report form and chain of custody for sample collected.

   c. Originals of all laboratory analysis sheets showing who analyzed sample, date and time sample was analyzed, analytical methods used, method detection limit, test result, and quality assurance/quality control.

   ~~d. Copies of pH charts (if any) showing violations (if any).~~

   e. Any other reports that may be required.

   f. Calculations of monthly average, if appropriate.

MONITORING AND REPORTING REQUIREMENTS

II. **Periodic Compliance Self-Monitoring Report** (Notes continued):

7. The permittee should instruct its laboratory that, if the oil and grease (total) concentration exceeds 100 mg/L, the laboratory should determine the concentrations of the polar and non-polar oil and grease fractions. Oil and grease samples must be analyzed using EPA method 1664, hexane extraction.

8. The City may reduce or increase the frequency of sampling, based on the analytical results submitted.

9. As per 40 CFR 403.12(g)(5), if an industrial user subject to the reporting requirements of Schedule B monitors any parameter from the official sampling location more frequently than required, using procedures specified in Schedule E14(c), the results of their monitoring must be submitted in the required report.

10. At a minimum, testing for BTEX must be performed using EPA method 602.

Schedule C
COMPLIANCE SCHEDULE

1. Tosco Northwest must eliminate the stormwater discharge from Tosco storm separator #2 from the City's sanitary sewer system. *As an interim measure, wastewater from storm separator #2 was routed to the sanitary sewer by Unocal in October, 1996, when oily material began migrating into the storm separator from the surrounding groundwater.*

Tosco Northwest must submit a plan to the City, by **December 1st, 1997**, detailing the proposed corrective action measures and the projected date of completion.

2. To comply with Section 17.34.090 of the City Code, the permittee shall submit a new or revised Accidental Spill Prevention Plan (ASPP) to the Industrial Wastewater Management Section 90 days after the effective date of this permit.

Schedule D
SPECIAL CONDITIONS

1. TOSCO Portland Terminal is permitted to discharge groundwater to the sanitary sewer provided the following conditions are met:

The wastewater is generated as an incidental by-product of product recovery operations.

Wastewater is discharged to the sanitary sewer via the existing process wastewater treatment system.

Product recovery/groundwater discharge volumes must be tracked.

The annual groundwater discharge total must be submitted with the December self-monitoring report, due the fifteenth of January.

Any change in remediation activities that results in inceased wastewater discharge to the sanitary sewer must be reported to the Idustsrial Source Control Division.

Schedule E
GENERAL CONDITIONS

1. Accidental Spill Prevention Plan

To comply with Section 17.34.090 of the City Code, the permittee shall submit a new or revised Accidental Spill Prevention Plan (ASPP) to the Industrial Wastewater Management Section 90 days after the effective date of this permit. The plans shall include the following elements.

a. A description of the hazardous substances handled and their potential points of entry into the City sewer system or storm runoff

b. A description of the measures to be taken to prevent entry at the described points before a spill occurs

c. Measures to be taken to contain a spill if one occurs

d. A description of employee training in the prevention and control of spills

e. A posted notice informing employees of the requirement to notify the Bureau of Environmental Services in case of spills or uncontrolled discharges.

2. Appeal

Upon receipt of a final industrial wastewater discharge permit, a permittee may appeal any of its terms or conditions to the Code Hearings Officer in accordance with procedures set out at Chapter 22.10 of the Portland City Code; provided that such an appeal shall include a copy of the permit that is the subject of the appeal, shall state the basis for the appeal, and shall be filed with the Code Hearings Officer and the Bureau of Environmental Services.

3. Authorized Discharge

All discharge and activities authorized herein shall be consistent with the terms and conditions of this permit, Chapter 17.34 of the City Code and the Administrative rules. The discharge of any pollutant in excess of these limits shall constitute a violation of the terms and conditions of this permit.

4. Bypass or Diversion

The diversion or bypass (the intentional diversion of wastestreams from any portion of a permittee's treatment facility) of any discharge, from facilities used by the permittee, to maintain compliance with the terms and conditions of this permit is prohibited except:

a. When unavoidable to prevent loss of life or severe property damage.

b. When excessive storm drainage or runoff would damage facilities necessary for compliance with the terms and conditions of this permit.

4. Bypass or Diversion (continued)

The permittee shall immediately notify the City in writing of each such diversion or bypass, in accordance with the procedure specified in condition No. 23.

5. Certification

Legible copies of all applications, reports, and information submitted to the City shall be signed and certified as follows in accordance with 40 CFR 403.12.

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.

6. Chemical Storage

Chemicals shall be stored in a manner that will prevent the entry of these substances into the sanitary, combined sewer, or storm sewer system, or waters of the state.

7. Continuous Compliance

Compliance with Schedule E, No. 23 shall not relieve the permittee from responsibility to maintain continuous compliance with the conditions of this permit.

8. Dilution Prohibition

It is unlawful for a discharger to use dilution as a partial or complete substitute for adequate treatment to achieve compliance with the standards and limitations set forth in this permit. The Director may impose mass limitations on dischargers who are using dilution to meet the applicable pretreatment standards or the requirement set forth in this permit.

9. Enforcement Provision

A violation of any conditions, standards or requirements of this permit constitutes a violation of Chapter 17.34 of the City Code and any rules promulgated thereunder. Therefore, the City may seek any or all of the remedies or penalties provided for in Section 17.34.110 of the City Code, including recovery of costs incurred by the City, in response to the following:

a. Any violation by the permittee of the provisions in this Industrial Wastewater Discharge Permit.

b. Any violation by the permittee of the provisions of the City Code.

9. Enforcement Provision (continued)

c. Any violation by the permittee of an Enforcement Action requirement with respect to provisions set forth in this Industrial Wastewater Discharge Permit and the City Code and Administrative Rules.

The range or severity of enforcement actions taken by the City against the permittee will be determined by, but not limited to, the nature, magnitude, duration, and frequency of the violation as provided by City Code and Administrative Rules.

10. Extra-Strength Sewer Charge (ESSC)

Discharges exceeding 300 mg/L for the 5-day biochemical oxygen demand (BOD) or 350 mg/L total suspended solids (TSS) concentrations (as defined in Section 17.36.060(1) of the City Code) shall be subject to the extra-strength sewer charge (ESSC) established in Section 17.36.060(1).

11. Hazardous Waste Notification

The industrial user shall notify the Industrial Source Control Division Section, the POTW, the EPA Regional Waste Management Division Director, and State hazardous waste authorities in writing of any discharge into the POTW of a substance, which, if otherwise disposed of, would be a hazardous waste under 40 CFR Part 261. Such notification must include the name of the hazardous waste as set forth in 40 CFR Part 261, the EPA hazardous waste number, and the type of discharge (continuous, batch, or other). If the industrial user discharges more than 100 kilograms of such waste per calendar month to the POTW, the notification shall also contain the following information to the extent such information is known and readily available to the industrial user: an identification of the hazardous constituents contained in the wastes, an estimation of the mass and concentration of such constituents in the wastestream discharged during that calendar month, and an estimation of the mass of constituents in the wastestream expected to be discharged during the following 12 months.

12. Inspection and Entry

The permittee shall, at all reasonable times, allow authorized representatives of the City:

a. To enter the permittee's premises where an effluent source or disposal system is located or where any records associated with this permit are kept.

b. To have access to any required records and permission to copy these records. At no time can wastewater effluent data be claimed or held as confidential information.

c. To inspect and evaluate any monitoring equipment or monitoring methods required by this permit.

d. To sample any discharge to the sewer system.

13. Liability

The City of Portland, its officers, agents or employees shall not sustain any liability due to the issuance of this permit or the construction or maintenance of facilities resulting from this permit.

14. Monitoring

a. The permittee shall record the following information:

* The exact date, time, and place of sampling
* Name of person who collected the sample(s)
* Type of sample(s) collected
* The dates analyses were performed
* Who performed the analyses
* The analytical techniques or methods used
* The results of all required analyses
* Whether quality assurance and quality control laboratory procedures are followed

b. Samples and measurements, taken to meet the requirements of the above condition, shall be representative of the effluent. Grab samples must be collected for pH, cyanide, phenol, sulfide, volatile organic compounds and oil and grease monitoring.

c. All sampling and analytical methods used to meet the monitoring requirements specified in this permit shall, unless otherwise approved in writing by the City, conform to the Guidelines Establishing Test Procedures for the Analysis of

Pollutants as specified in 40 CFR, Part 136. Laboratory quality assurance and quality control programs should be documented. EPA QA/QC programs should be followed.

d. The permittee is required to document proper installation, and maintenance of flow monitoring and sampling equipment.

e. If the results of the permittee's wastewater analysis indicate that a noncompliance has occurred, the permittee must notify the City's Industrial Source Control Division Section within 24 hours of becoming aware of the noncompliance. The permittee must also repeat the sampling within 24 hours of the effluent noncompliance or next process day and submit the analysis to the City within 30 days after becoming aware of the noncompliance.

14. Monitoring (continued)

f. The permittee shall take all reasonable steps to minimize or correct any adverse impact to the POTW or the environment resulting from noncompliance with this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.

g. If requested, the permittee shall provide or split discharge samples with the City of Portland Water Pollution Control Laboratory.

15. Permit Modification

This permit may be modified with 30 days prior written notification, in whole or in part, for causes including but not limited to the following:

a. A change in the City's NPDES permit or any other condition that requires either a temporary or permanent elimination of any authorized discharge.

b. To incorporate new or revised federal, state, or local pretreatment standards or requirements.

c. Information indicating that the permitted discharge poses a threat to the City's collection and treatment system, POTW personnel, or the receiving waters and sludge.

d. To correct typographical or other errors in the permit.

e. Any significant change in the volume of a permitted discharge.

16. Permit Renewal

This permit is issued to a specific entity and cannot be transferred by the industrial user and must be renewed pursuant to Section 17.34.070 of the Code of the City of Portland and Permit Applications must be received 90 days prior to:

a. Expiration date of current permit.

b. In the event the permittee plans to cease operations at the present location, and plans to relocate within the City of Portland's jurisdiction and continue the same permitted activities.

c. The permitted industrial process being significantly altered or changed so that pollutants not specifically mentioned in the current permit are present in the permittee's discharge.

17. Permit Suspension or Termination

a. Violation of any terms or conditions of this permit or any applicable rule, standard, or order of the director of the Bureau of Environmental Services.

17. Permit Suspension or Termination (continued)

b. Obtaining this permit by misrepresentation or failure to fully disclose all relevant facts.

c. Falsifying self-monitoring reports.

d. Tampering with monitoring equipment.

e. Refusing to allow prompt access to the facility premises and records.

f. Failure to meet effluent limitations.

g. Failure to pay fines.

h. Failure to meet compliance schedules.

18. Plant Closure

In the event the permittee plans to cease operations at the present business location, and not to relocate within the City of Portland's jurisdiction, the permittee shall inform this office, in writing, 60 days prior to plant closure.

19. Property Rights or Privileges

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges; it does not authorize any injury to private property or any invasion of personal rights; and it does not authorize any infringements or federal, state, or local laws or regulations.

20. Records Retention

All records of monitoring activities and results, including all original strip chart recordings for continuous monitoring instrumentation (and calibration and maintenance records), shall be retained by the permittee for a minimum of three years. This retention period shall be extended during the course of any unresolved litigation pertaining to the discharge of pollutants by the permittee, or whenever it is requested by the City, the Approval Authority (DEQ), the Regional Administrator (EPA).

21. Reporting Requirements

a. Accidental or Slug Loading

The permittee shall notify the City immediately, either in person or by telephone (Duty Officer Pager # 323-3398 and Lead Operator CBWTP # 823-2530), if accidental or slug loading to the sanitary sewer occurs. A formal written report, discussing circumstances and remedies, shall be submitted to the City within 5 days of the occurrence.

21. Reporting Requirements (continued)

b. Changes in Wastewater Characteristics

The permittee shall give notice to the Industrial Source Control Division Section 90 days before any facility expansion, production increase, or process modifications that result in new or substantially increased discharges or a change in the nature of the discharge.

c. Change in representative

If the responsible corporate official changes, notify the City within 10 days, as per 40 CFR 403.12 (I) (4).

22. Severability

The provisions of this permit are severable, and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to the other circumstances and the remainder of this permit shall not be affected.

23. Slug Load Notification

If the permittee is unable to comply with all the conditions of this permit due to a breakdown of equipment or facilities, an accident caused by human error or negligence, or any other cause such as an act of nature, or should any condition cause the release of any slug load, the permittee shall:

a. Immediately take action to stop, contain, clean up the unauthorized discharges, and correct the problem.

b. Immediately call the Lead operator of the Columbia Boulevard Wastewater Treatment Plant (823-2530) so that plant personnel can evaluate the impact of the discharge and take corrective action. Notify Industrial Source Control by calling the Duty Officer, pager # 323-3398.

c. Within five (5) days submit a detailed written initial report to the City describing the breakdown, the actual quantity of resultant waste discharges, the corrective action taken, the steps taken to prevent recurrence, and any other pertinent information.

Samples shall be taken immediately upon discovery of the Slug load. Within 15 days, a follow-up report shall be submitted. The report shall contain analysis of samples taken during such discharge and samples taken after normal conditions have been restored. The samples, at a minimum, shall be analyzed for the parameters required in Schedule B. Sampling shall be continued until all parameters are within discharge limits.

24. Upset

a. Definition:

For the purposes of this section, upset means an exceptional incident in which there is unintentional and temporary noncompliance with applicable pretreatment standards, because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

b. Effect of an Upset:

An upset will constitute an affirmative defense to an action brought for noncompliance with applicable pretreatment standards, if the requirements of paragraph c are met.

c. Conditions Necessary for a Demonstration of an Upset:

A permittee who wishes to establish the affirmative defense of an upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:

(1) An upset occurred and the permittee can identify the specific cause(s) of the upset.

(2) The facility was, at the time, being operated prudently, efficiently, and in compliance with applicable operation and maintenance procedures.

(3) The permittee has submitted the following information to the Industrial Source Control Division within 24 hours of becoming aware of the upset (if this information is provided orally, a written submission must be provided within 5 days).

* A description of the indirect discharge and cause of noncompliance

* The period of noncompliance, including exact dates and times or, if not corrected, the anticipated duration of noncompliance

* Steps planned or now being taken to reduce, eliminate, and prevent recurrence of the noncompliance

d. Burden of Proof

In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset shall have the burden of proof.

e. Permittee Responsibility in Case of an Upset.

24. Upset (continued)

If reduction, loss, or failure of its treatment facility occurs, the permittee shall control production of all discharges in order to maintain compliance with applicable pretreatment standards until the facility is restored or an alternative method of treatment is provided. This requirement especially applies if the primary source of the treatment facility power is reduced, lost, or failed.

Appendix 1
DEFINITIONS

Abbreviations

BOD_5	Five-day biochemical oxygen demand
mg/L	Milligrams per liter
k	Kilograms
m^3/d	Cubic meters per day
ppm	Parts per million (assumed equal to milligrams per liter)
POTW	Publicly owned treatment works
WPCL	Water Pollution Control Laboratory

Averages for BOD, TSS, and chemical parameters are based on arithmetic mean of samples taken.

Definitions

Bypass

The intentional diversion of wastestreams from any portion of a permittee's treatment facility..

Compatible Pollutant

Biochemical oxygen demand, suspended solids, pH and fecal coliform bacteria, and additional pollutants that the City treatment works is designed to treat.

Conventional Pollutants

Classification of industrial pollutants, which includes BOD (biochemical oxygen demand), suspended solids, fecal coliform, pH (acidity/alkalinity), and other pollutants so designated by EPA, as defined by Section 304(a)(4) of the Clean Water Act.

Director of Environmental Services

The Director of Environmental Services of the City of Portland, Oregon, or that person's duly authorized representative or agent.

City, or City of Portland

The municipality of Portland, Oregon, a municipal corporation of the State of Oregon, acting through the City Council or any board, committee, body, official, or person to whom the Council shall have lawfully delegated the power to act on behalf of the City. Unless a particular board, committee, official, or person is specifically designated in these rules and regulations, wherever action by the City is explicitly required or implied herein, it shall be understood to mean action by the Director of Environmental Services of Portland, Oregon, or that person's duly authorized representative or agent.

Effective Date of this Permit

The date this permit is signed by the Director of the Bureau of Environmental Services.

Expiration Date

From 1 to 5 years beyond the effective date of this permit.

Hazardous or toxic substances

Hazardous or toxic substances are those substances referred to in section 101(14) of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (42 U.S. Code 9601 et seq.), section 502(13) of the Clean Water Act, and any other substances so designated by the Director of Environmental Services and contained in rules adopted pursuant to this Chapter.

Industrial Waste

Any liquid, solid, or gaseous substance (or combination thereof) resulting from any process of industry, manufacturing, commercial food processing, business, agriculture, trade, or research, including but not limited to the development, recovery, or processing of natural resources and leachate from landfills or other disposal sites.

Industrial Wastewater Discharge Permit

A permit to discharge industrial wastewater into the City sewer system issued under the authority of the City Code, which prescribes certain discharge requirements and limitation.

Interference

Interference means a discharge which, alone or in conjunction with a discharge or discharges from other sources, inhibits or disrupts the normal operation of the City sewer system, or which causes a violation of any requirement of the POTW's NPDES permit (including an increase in the magnitude or duration of a violation) or any increase in the cost of treatment of sewage or in the cost of sewage sludge use or disposal in compliance with the following statutory provisions and regulations or permits issued thereunder (or more stringent State or local regulations); Section 405 of the Clean Water Act, the Solid Waste Disposal Act (including Title II, more commonly referred to as the Resource Conservation and Recovery Act), and including State regulations contained in any State sludge management plan prepared pursuant to Subtitle D of RCRA, the Clean Air Act, the Toxic Substances Control Act, and the Marine Protection, Research and Sanctuaries Act.

Maximum Daily Discharge Limitation

The highest allowable daily discharge.

Nonconventional Pollutants

All pollutants that are not specifically designated as either conventional or toxic.

Oil and Grease

Fats, Oils and Grease. Fats, oils and grease are those substances which are measured by USEPA Method 1664: N-Hexane Extractable Method (HEM) and Silica Gel Treated N-Hexane Extractable Material (SGT-HEM).

(a) Non-polar fats, oils and grease are that portion of fats, oils and grease which is measured as non-polar (from petroleum sources) by USEPA Method 1664.

(b) Polar fats, oils and grease are that portion of fats, oils and grease which is determined to be polar (of animal or vegetable origin) by USEPA Method 1664.

Pass Through

Pass through means a discharge which exits the POTW into waters of the United States in Quantities or concentrations which, alone or in conjunction with a discharge or discharges from other sources, is a cause of a violation of any requirement of the POTW's NPDES permit (including an increase in the magnitude or duration of a violation).

Phenolics

Phenol and cresol compounds identified in Method #625, "Manual for Methods for Chemical Analysis of Water and Wastes," U.S. Environmental Protection Agency, or equivalent method from other references cited in 40 CFR 136, "Guidelines Establishing Test Procedures for Analysis of Pollutants."

POTW

POTW means Publicly Owned Treatment Works, which includes any devices and systems, owned by a State or municipality, used in the collection, transportation, storage, treatment, recycling and reclamation of wastewater.

Pretreatment

The reduction of the amount of pollutants, the elimination of pollutants, or the alternation of the nature of pollutant properties in wastewater to a non-harmful state, prior to or in lieu of discharge of such pollutants into the City sewer system.

Sampling

a. The "monthly average" other than pH is the arithmetic mean of samples collected curing a calendar month.

b. The "daily maximum" is defined as the greatest allowable value for any calendar day.

c. A "24-hour composite" sample shall mean a flow-proportioned mixture of not less than eight discrete aliquots. Each aliquot shall be a grab sample of not less than 100 ml and shall be collected and preserved in accordance with 40 CFR part 136 and amendments.

d. A "Grab" sample is an individual sample collected in less than 15 minutes, without regard for flow or time.

e. A "Grab-Composite" is a minimum of four grab samples collected and preserved over a 24-hour period and combined to provide a representative sample of effluent being discharged.

Schedule of Compliance

A schedule of remedial measures, including an enforceable sequence of actions or operations leading to compliance with an effluent limitation or other limitation, prohibition, or standard.

Severe Property Damage

Substantial physical damage to the treatment facilities that causes them to become inoperable, or substantial and permanent loss of natural resources that can occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

Slugload

A slugload is any discharge of a non-routine, episodic nature, including but not limited to an accidental spill or a non-customary batch discharge.

Solid Waste

Any garbage, refuse, or sludge from a waste treatment plant, water supply treatment plant, or air pollution control facility including solid, liquid, semisolid, or contained gaseous material resulting from industrial, commercial, mining, and agricultural operations, and from community activities, but does not include solid or dissolved material in domestic sewage, or solid or dissolved materials in irrigation return flows or industrial discharges that are point sources subject to permits.

Solid Waste Disposal

The final placement of refuse that cannot be salvaged or recycled.

Solvent Management Plan

A plan that specifies the toxic organic compounds used, the method of disposal used (instead of dumping into wastestreams), and procedures for ensuring that toxic organics do not spill or leak into wastewater discharged to the City sewer system.

Total Dissolved Solids

The total dissolved (filterable) solids as determined by use of the method specified in the list of approved test procedures.

Total Organic Active Ingredients

The sum of all organic active ingredients covered by the organic pesticide chemicals manufacturing subcategory, which are manufactured at a facility subject to the effluent guidelines for pesticides chemicals manufacturing.

Total Solids

The sum of dissolved and undissolved constituents in water or wastewater, usually expressed as milligrams per liter.

Total Suspended Solids

Total suspended matter that either floats on the surface or is in suspension in water or wastewater and that are removable by laboratory filtering (as described in *Standard Methods for the Examination of Water and Wastewaters,* current edition) or Guidelines Establishing Test Procedures for the analysis of Pollutants, contained in 40 CFR 136, as published in the *Federal Register.*(Bureau of Environmental Services Administrative Rules I[22])

Upset

"Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with applicable pretreatment standards, because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

Waste

Unwanted materials left over from manufacturing processes, or refuse from places of human or animal habitation.

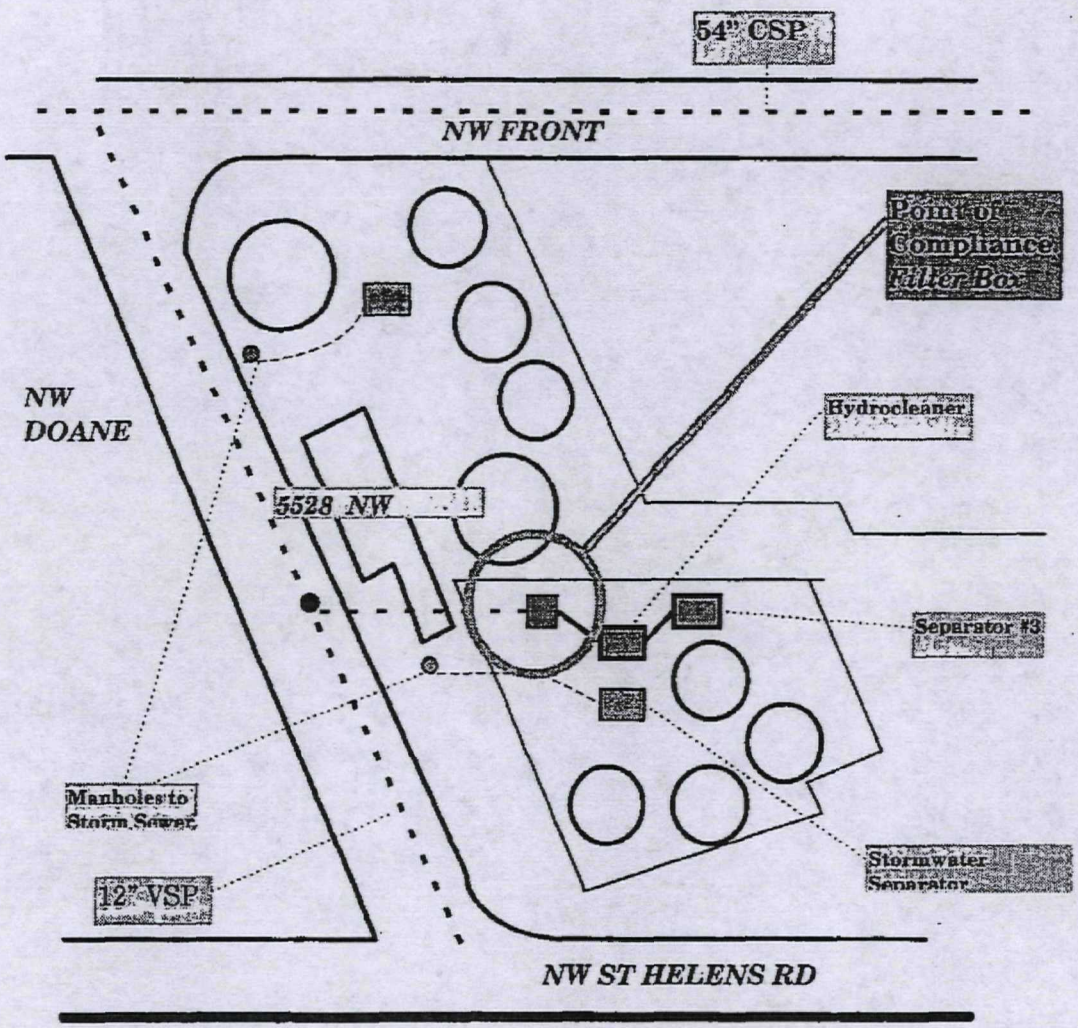
Wastewater

Industrial waste, sewage, or any other waste, including that which may be combined with any groundwater, surface water, or stormwater that may be discharged to the city sewer system.

Water Pollution

The addition of enough harmful or objectionable material to damage water quality.

Appendix 2
SAMPLING LOCATION MAP



Appendix 3
RESERVED: ACCIDENTAL SPILL PREVENTION PLAN

To be prepared by the permittee and approved by the City.

Permit Amendments

VOID

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION
RESEARCH AND SPECIAL PROGRAMS ADMINISTRATION

HAZARDOUS MATERIALS CERTIFICATE OF REGISTRATION FOR REGISTRATION YEAR(S) 2004-2007

Registrant: CONOCO PHILLIPS COMPANY
ATTN: STEPHEN J. BROUILLARD
P.O. BOX 2197
HOUSTON, TX 77252-2197

This certifies that the registrant is registered with the U.S. Department of Transportation as required by 49 CFR Part 107, Subpart G.

This certificate is issued under the authority of 49 U.S.C. 5108. It is unlawful to alter or falsify this document.

Reg. No: 062204550009MO **Issued:** 06/22/04 **Expires:** 06/30/07

Record Keeping Requirements for the Registration Program

The following must be maintained at the principal place of business for a period three years from the date of issuance of this Certificate of Registration:

(1) A copy of the registration statement filed with RSPA; and
(2) This Certificate of Registration

Each person subject to the registration requirement must furnish that person's Certificate of Registration (or a copy) and all other records and information pertaining to the information contained in the registration statement to an authorized representative or special agent of the U.S. Department of Transportation upon request.

Each motor carrier (private or for-hire) and each vessel operator subject to the registration requirement must keep a copy of the current Certificate of Registration or another document bearing the registration number identified as the "U.S. DOT Hazmat Reg. No." in each truck and truck tractor or vessel (trailers and semi-trailers not included) used to transport hazardous materials subject to the registration requirement. The Certificate of Registration or document bearing the registration number must be made available, upon request, to enforcement personnel.

For information, contact the Hazardous Materials Registration Manager, DHM-60 Research and Special Programs Administration, U.S. Department of Transportation, 400 Seventh Street, SW, Washington, DC 20590, telephone (202) 366-4109.

VITO- COPIES TO VEHICLES
JANE - CALL DATE 6-15-2007

J-8

AIR 2a

~~[illegible]~~ 26 - 2026 AIR PERMIT
OCT 15, 2003

~~SEPT 09, 2003.~~

CURRENT AIR CONTAMINANT PERMIT

COPPOR00002356

Oregon
Theodore Kulongoski ., Governor

Department of Environmental Quality
Northwest Region Portland Office
Air Quality Program
2020 SW 4th Avenue, Suite 400
Portland, OR 97201-4987
(503) 229-5554
FAX (503) 229-5265
TTY (503) 229-5471

OCT 1 5 2003

ConocoPhillips Company
Attn: Williams Collins
5528 NW Doane Avenue
Portland, Oregon 97210

Re: Renewal of Air Contaminant Discharge
Permit # 26-2026

The Department of Environmental Quality has completed processing your renewal application for an Air Contaminant Discharge Permit. Based on the material contained in the renewal application we have issued the enclosed permit.

The effective date of the permit is the date it was signed by the regional Air Quality Manager. The signature and date appear on the first page of the document. The permit is issued pursuant to Oregon Revised Statutes 468A and Oregon Administrative Rules (OAR) 340-14-005 through 340-14-050, and 216-0010 through 216-0100.

You may appeal conditions or limitations contained in the attached permit by applying to the Environmental Quality Commission, or its authorized representative, within twenty days from the date of this letter. Appeals are pursuant to ORS Chapter 183 and OAR Chapter 340, Division 14-025(6). Appeal procedures are contained in OAR Division 11-005 through 11-140.

A copy of the current permit must be available at the facility at all times. Failure to comply with permit conditions may result in civil penalties. **You are expected to read the permit carefully and comply with all conditions** to protect the environment of Oregon.

If you have any questions, please contact Greg Grumow at (503) 229-5571.

Sincerely,

Ed Druback
Air Quality Manager
Northwest Region

EJD cab
Enclosure

Cc: Michelle Butler/AQ
Rindy Ramos - Region X
GGG/NWR

COPPOR00002357

STANDARD

AIR CONTAMINANT DISCHARGE PERMIT

Department of Environmental Quality
Northwest Region
2020 SW 4th Avenue, #400
Portland, Oregon 97201
(503) 229-5554

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

ISSUED TO:

ConocoPhillips Company
5528 NW Doane Ave.
Portland, OR 97210

PLANT SITE LOCATION:

5528 NW Doane
Portland, OR

INFORMATION RELIED UPON:

Application No.: 020449
Date Received: 12/23/2002

LAND USE COMPATIBILITY FINDING:

Approving Authority: City of Portland
Approval Date: 01-25-93

PERMIT PREVIOUSLY ISSUED TO:

Tosco Corporation

ISSUED BY THE DEPARTMENT OF ENVIRONMENTAL QUALITY

Ed Druback, Northwest Region Air Quality Manager

OCT 15 2003
Dated

Source(s) Permitted to Discharge Air Contaminants (OAR 340-216-0020):

Table 1 Code	Source Description	SIC
Part B, 32	GasolineTerminal	5171

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1.0 GENERAL EMISSION STANDARDS AND LIMITS

1.1. Visible Emissions

The permittee must comply with the following visible emission limits, as applicable:

a. Emissions from fuel burning equipment must not exceed an opacity equal to or greater than 20% for a period aggregating more than 3 minutes in any one hour.

b. Emissions from any air contaminant source other than fuel burning equipment must not equal or exceed 20% opacity for a period aggregating more than 30 seconds in any one hour.

1.2. Particulate Matter Emissions

The permittee must comply with the following particulate matter emission limits, as applicable:

a. Particulate matter emissions from any burning equipment must not exceed 0.1 grains per standard cubic foot, corrected to 12% CO_2 or 50% excess air.

b. Particulate matter emissions from fuel burning equipment must not exceed the emission rate shown in Figure 1 of OAR 340-208-0610 as a function of the maximum heat input when using all other fuels except natural gas and LPG.

1.3. Nuisance and Odors

The permittee must not cause or allow air contaminants from any source to cause a nuisance. Nuisance conditions will be verified by Department personnel.

1.4. Fuels and Fuel Sulfur Content

The permittee must comply with the following fuel and fuel sulfur content requirements:

a. The permittee must not use any fuel other than natural gas, propane, butane, ASTM grade fuel oils, or on-specification used oil.

b. The permittee must not sell, distribute, use (combust), or make available for use within the state of Oregon, any fuel oil which exceeds the following sulfur content limitations unless exempted in item below:

i. 0.3% sulfur by weight for ASTM Grade 1 distillate oil;

ii. 0.5% sulfur by weight for ASTM Grade 2 distillate oil;

iii. 1.75% sulfur by weight for residual oil;

iv. The permittee must note on the bill of lading or custody transfer document the following statement " Fuel oil or residual oil with sulfur content above 1.75% by weight may not be used within the State of Oregon."

c. Exemptions from the requirements of Condition 1.4.b above:

i. Fuels used exclusively for the propulsion and auxiliary power requirements of vessels, railroad locomotives, and diesel motor vehicles.

ii. With prior approval of the Department of Environmental Quality, fuels used in such a manner or control provided such that sulfur dioxide emissions can be demonstrated to be equal to or less than those resulting from the combustion of fuels complying with the limitations of Condition 1.4.b above.

d. The permittee is allowed to use on-specification used oil as fuel provided it contains no more than 0.5% sulfur by weight. The permittee must obtain analyses from the marketer or, if generated on site, have the used oil analyzed, so that it can be demonstrated that each shipment of oil does not exceed the used oil specifications contained in 40 CFR Part 279.11, Table 1.

2.0 SPECIFIC PERFORMANCE AND EMISSION STANDARDS

2.1. Refined Products Truck Loading Rack

Pursuant to OAR 340-232-0085 through 0100, the permittee must observe the following conditions of operation for the truck loading rack:

a. The permittee must not allow volatile organic compounds (VOC) to be emitted into the atmosphere in excess of 80 milligrams of VOC per liter of gasoline loaded (0.67 lb VOC/1000 gal gasoline loaded) from the loading of truck tanks and truck trailers at the bulk gasoline terminal.

b. Gasoline may only be transferred between the loading rack and a truck tank or a truck trailer when a current Oregon leak test certification form for the delivery vessel (tank truck or trailer) is on file with the terminal or a valid Oregon delivery vessel certification sticker is verified to

be displayed on the delivery vessel.

c. All displaced vapors and gases from the delivery vessel must be vented only to the vapor recovery/control system.

d. All equipment associated with the vapor recovery/control system must be maintained to be vapor-tight and in good working order.

e. Each loading device must be designed and operated to allow no more than 10 cubic centimeters drainage per disconnect on the basis of five consecutive disconnects.

f. There must be no visible liquid gasoline leaks during loading or unloading operations.

g. All gasoline loading lines must be equipped with fittings which make vapor-tight connections and which close automatically and immediately when disconnected.

h. All vapor lines must be equipped with fittings which make vapor-tight connections and which close automatically and immediately when disconnected or which contain vapor-tight unidirectional valves.

i. The vapor collection system must be maintained and operated in a manner to prevent the pressure therein from exceeding a pressure of 18 inches of water gauge or a vacuum of 6 inches of water gauge, at the tank truck or trailer.

j. During periods when the loading rack is not operated by the permittee, the permittee's responsibility shall be defined in a letter of agreement on file at the terminal, signed by the person (or their agent) who will operate the truck loading rack, confirming compliance with the above conditions.

k. "Vapor tight" as used in this condition means: using an explosimeter, no reading may equal or exceed 100 percent of the lower explosive limit (LEL, measured as propane), measured at 2.5 centimeters from any point on the perimeter of a potential leak source.

2.2. Marine Vessel Loading

Pursuant to OAR 340-232-0110, the permittee must observe the following conditions of operation for marine vessel loadings:

a. The permittee is prohibited from loading gasoline onto marine tank vessels unless loading emissions are controlled pursuant to OAR 340-232-0110..

b. The permittee is prohibited from loading any liquid

product onto a marine tank vessel whose previous cargo was gasoline unless loading emissions are controlled pursuant to OAR 340-232-0110.

2.3. Storage Tanks

Fixed roof storage tanks having capacities greater than 150,000 liters (approx. 39,000 gallons), storing volatile organic compound liquids with true vapor pressures (determined in accordance with methods described in American Petroleum Institute Bulletin 2517, Evaporation Loss from External Floating-Roof Tanks), as stored, of greater than 1.52 psia at actual monthly average storage temperatures, must meet the following conditions:

a. The fixed roof storage tanks must be equipped with an internal floating cover equipped with a continuous closure device (primary seal) between the tank wall and the cover edge. The primary seal must be a minimum of a nonmetallic resilient seal.

b. The cover is to be floating at all times, (i.e., off the leg supports) except during initial fill and when the tank is completely emptied and subsequently refilled. The process of emptying and refilling when the cover is resting on the leg supports must be continuous and is to be accomplished as rapidly as possible.

c. Each opening in the cover except for automatic bleeder vents and the rim space vents is to provide a projection below the liquid surface.

d. Each opening in the cover except for automatic bleeder vents, rim space vents, stub drains and leg sleeves is to be equipped with a cover, seal, or lid which is to be maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use.

e. All tank gauging and sampling devices must be gas-tight except when gauging or sampling is taking place; except for slotted gage wells which must have floating seals with one half inch edge gaps or less.

f. All seals are to be maintained in good operating condition and the seal fabric may contain no visible holes, tears or other openings.

g. Automatic bleeder vents are to be closed at all times when the cover is floating except when the cover is being floated off or is being landed on the leg supports.

h. Rim vents are to be set to open only when the cover is being floated off the leg supports or at the manufacturer's

recommended setting.

i. The permittee must not store any volatile organic compound liquid with a true vapor pressure, as stored, of greater than 570 mm Hg (11.1 psia), unless the respective storage tank is equipped with a vapor recovery system or its equivalent.

2.4. 40 CFR 60 Subpart Kb (NSPS)

The permittee must comply with the following applicable requirements of federal regulations for New Source Performance Standards (NSPS) 40 CFR 60 Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984:

a. For all NSPS Subpart Kb tanks (tanks with a capacity ≥ 40 m^3 [10,566 gallons], constructed after July 23, 1984 and used to store volatile organic liquids) owned/operated by the permittee at the time of permit application, the permittee must maintain a permanent record of each tank's dimensions and an analysis of each tank's storage capacity.

b. For all NSPS Subpart Kb subject tanks owned/operated by the permittee at the time of permit application, with storage capacities greater than 75 m^3 (19,813 gallons), the permittee:

i. is exempt from any additional provisions of the Subpart if the subject tank(s) stores a volatile organic liquid with a maximum true vapor pressure less than 15.0 kPa (2.18 psia).

ii. must comply with the monitoring requirements of 40 CFR §60.116b(c), (d), and (f) if it stores a volatile organic liquid with a maximum true vapor pressure $\geq$ 15.0 kPa (2.18 psia).

c. If the permittee installs any new tank while operating under this permit, it must provide notice to the Department as required in Condition 7.4 of this permit. In addition, the permittee must comply with all requirements of 40 CFR 60 Subpart Kb, as applicable, for any new NSPS Subpart Kb subject tank.

3.0 SPECIAL CONDITIONS

3.1. Gasoline transfer and spillage

Pursuant to OAR 340-232-0090(3)(e), the permittee must observe the following conditions:

a. Gasoline must be handled in a manner to prevent its being discarded in sewers or stored in open containers or handled in any manner that would result in evaporation.

b. The permittee must address any gasoline spill of more than 5 gallons in accordance with permit conditions 6.2 and 7.1.

4.0 PLANT SITE EMISSION LIMITS

4.1. Plant Site Emission Limits (PSEL)

Plant site emissions must not exceed the following:

Pollutant	Limit	Units
PM/PM_{10}	14	tons per year
SO_2	75	tons per year
NO_X	39	tons per year
CO	99	tons per year
VOC	99	tons per year

4.2. Emission Limitation Period

The plant site emission limits apply to any 12-consecutive calendar month period.

5.0 COMPLIANCE DEMONSTRATION

5.1. PSEL Compliance Monitoring

Compliance with the PSEL is determined for each 12-consecutive calendar month period based on the following calculation for each pollutant:

$$E = EF \times P \times K_{AI}$$

where,

E	=	pollutant emissions (ton/yr);
EF	=	pollutant emission factor (see condition 11.0);
P	=	process production (see condition 11.0)
K_{AI}	=	VOC aggregate insignificant activity

emission constant (see condition 11.0)

K_{FUG} = VOC equipment leak fugitive emission constant (see condition 11.0)

5.2. Emission Factors

The permittee must use the default emission factors provided in condition 11.0 for calculating pollutant emissions, unless alternative emission factors are approved by the Department. The permittee may request or the Department may require using alternative emission factors provided they are based on actual test data or other documentation (e.g., AP-42 compilation of emission factors) that has been reviewed and approved by the Department.

5.3. Source Testing Requirements

The permittee must conduct a source test of its Callidus vapor recovery unit (VRU) as specified below:

a. Within 12 months from the issue date of this permit, the permittee must perform an emission performance test of the VRU to demonstrate it is capable of operating at its maximum normal operating capacity in compliance with Condition 2.1.a an d 2.1.i by conducting a source test for VOC control efficiency and emission rate (lbs VOC emitted/1000 gallons loaded).

b. The Source Test must be conducted using EPA test Methods as described in 40 CFR Part 60, Subpart XX, §60.503. The Source Test must be conducted in accordance with the testing procedures on file at the Department.

c. The following parameters must be monitored and recorded during the source test:

   i. The volume of gasoline dispensed through the loading rack;

   ii. Carbon bed cycle time;

   iii. VRU exhaust gas volume;

   iv. Pressure within the Vapor Recovery system measured as close as possible to the connection with the gasoline truck;

   v. Other operating parameters of the emission control equipment, determined at the time the pretest plan is reviewed.

d. Only regular operating staff may adjust the control device and/or emission control parameters during the source test and within two hours prior to the source test. Any

operating adjustments made during the source test, which are a result of consultation with source testing personnel, equipment vendors or consultants, may render the source test invalid.

e. All tests must be conducted in accordance with the Department's Source Sampling Manual and the approved pretest plan. The pretest plan must be submitted at least 15 days in advance and approved by the Regional Source Test Coordinator. Test data and results must be submitted for review to the Regional Source Test Coordinator within 45 days unless otherwise approved in the pretest plan.

f. The Department may approve an extension of the testing deadline in Condition 5.3.a if the permittee provides adequate justification for the extension.

6.0 RECORDKEEPING REQUIREMENTS

6.1. Operation and Maintenance

The permittee must maintain the following records related to the operation and maintenance of the plant and associated air contaminant control devices:

	Monitoring Parameters	Monitoring Frequency
a.	Volatile organic liquid type and period of storage, for each storage tank.	As performed
b.	The amount and type of volatile organic liquid loaded into or withdrawn from each storage tank	As performed
c.	Maximum Reid vapor pressure of the volatile organic liquid stored in each storage tank during the period of storage.	Each storage period
d.	The HAP content (percent by weight) of each product terminaled (%HAP content is to be monitored based on individual HAPs).	Each product formulation change
e.	The type and amount of volatile organic liquid loaded into marine vessels.	Each loading event
f.	The type and amount of refined petroleum products dispensed through the truck loading rack.	Monthly
g.	The type and amount of fuel combusted in the steam generating boilers.	Monthly
h.	The sulfur content of each lot of fuel oil received for	Each receipt

	sale, distribution, or use (combustion in the steam generating boilers). Sulfur content must be determined by one of the following methods: • Analyze a composite sample of a new lot of fuel using ASTM D129-64, D1552-83, D4057-81, 2622, or other method approved in writing by the Department; • Obtain a certificate of analysis for sulfur content from the fuel oil vendor or third party laboratory; • If used oil is combusted, the permittee must obtain analyses from the marketer or, if generated on site, have the used oil analyzed, so that it can be demonstrated that each shipment of oil does not exceed the used oil specifications contained in 40 CFR Part 279.11, Table 1.	
i.	Perform a 12-month rolling emission rate calculation to demonstrate compliance with the PSEL emission rate limits of Condition 4.0. Rolling emission rate calculations must be performed in accordance with the calculation methods of Conditions 5.1 and 5.2.	Monthly
j.	Excess emission records as defined in OAR 340-214-0300 through 340-214-0340.	Each Occurrence
k.	Records of air quality related complaints received by permittee and results of corresponding investigation/resolution.	Each Occurrence
l.	Records of major maintenance performed on air pollution control equipment.	Each Occurrence

6.2. Excess Emissions The permittee must maintain records of excess emissions as defined in OAR 340-214-0300 through 340-214-0340 (recorded on occurrence). Typically, excess emissions are caused by process upsets, startups, shutdowns, or scheduled maintenance. If there is an ongoing excess emission caused by an upset or breakdown, the permittee must cease operation of the equipment or facility no later than 48 hours after the beginning of the excess emissions, unless continued operation is approved by the Department in accordance

with OAR 340-214-0330(4).

6.3. **Complaint Log** The permittee must maintain a log of all written complaints and complaints received via telephone that specifically refer to air pollution concerns associated to the permitted facility. The log must include a record of the permittee's actions to investigate the validity of each complaint and a record of actions taken for complaint resolution.

6.4. **Retention of Records** Unless otherwise specified, all records must be maintained on site for a period of two (2) years and made available to the Department upon request.

7.0 REPORTING REQUIREMENTS

7.1. **Excess Emissions** The permittee must notify the Department by telephone or in person of any excess emissions which are of a nature that could endanger public health.

a. Such notice must be provided as soon as possible, but never more than one hour after becoming aware of the problem. Notice must be made to the regional office identified in Condition 8.5.

b. If the excess emissions occur during non-business hours, the permittee must notify the Department by calling the Oregon Emergency Response System (OERS). The current number is 1-800-452-0311.

c. The permittee must also submit follow-up reports when required by the Department.

7.2. **Annual Report** For each year this permit is in effect, the permittee must submit to the Department by **February 15,** two (2) copies of the following information for the previous calendar year:

a. Operating parameters:

i. A letter stating the facility's compliance status with permit conditions for the previous calendar year.

ii. The total amount of natural gas ($MMft^3$) combusted in the boilers.

iii. The total amount (gal) and type of fuel oil combusted in the boilers.

iv. The total amount of gasoline received into storage tanks (bbls per year).

v. The amount of gasoline loaded into tank trucks (gallons/yr).

vi. The total amount of gasoline loaded into marine vessels, (bbls or gal/year).

vii. The calculated PM/PM_{10}, SO_2, NO_X, CO, and VOC 12-month rolling emission rates for each month of the previous calendar year. Calculations must be performed following the calculation method in Conditions 5.1 and 5.2.

b. An evaluation of the permittee's HAP potential to emit (as limited by the overall VOC PSEL) based upon formulation changes documented for Condition 6.1.d.

c. Records of all planned and unplanned excess emissions events.

d. Summary of complaints relating to air quality received by permittee during the year.

e. List permanent changes made in plant process, production levels, and pollution control equipment which affected air contaminant emissions.

f. List major maintenance performed on pollution control equipment.

7.3. **Notice of Change of Ownership or Company Name**

The permittee must notify the Department in writing using a Departmental "Permit Application Form" within 60 days after the following:

a. Legal change of the name of the company as registered with the Corporations Division of the State of Oregon; or

b. Sale or exchange of the activity or facility.

7.4. **Construction or Modification Notices**

The permittee must notify the Department in writing using a Departmental "Notice of Construction Form," or "Permit Application Form," and obtain approval in accordance with OAR 340-210-0205 through 340-210-0250 before:

a. Constructing, installing, or establishing a new stationary source that will cause an increase in any regulated pollutant emissions;

b. Making any physical change or change in operation of an existing stationary source that will cause an increase, on an hourly basis at full production, in any regulated pollutant emissions; or

c. Constructing or modifying any air pollution control equipment.

7.5. **Where to Send Reports and Notices** — The reports, with the permit number prominently displayed, must be sent to the Permit Coordinator for the region where the source is located as identified in Condition 8.3.

8.0 ADMINISTRATIVE REQUIREMENTS

8.1. **Permit Renewal Application** — The completed application package for renewal of this permit is due on 02/01/2008. Two (2) copies of the application must be submitted to the DEQ Permit Coordinator listed in condition 8.3

8.2. **Permit Modifications** — Application for a modification of this permit must be submitted not less than 60 days prior to the source modification. A special activity fee must be submitted with an application for the permit modification. The fees and two (2) copies of the application must be submitted to the Business Office of the Department.

8.3. **Permit Coordinator Address** — All reports, notices, and applications (without associated fees) should be directed to the Permit Coordinator of the Department's Northwest Regional Office. The address is as follows:

Department of Environmental Quality
Northwest Region
2020 SW 4th Avenue, Suite 400
Portland, OR 97201-4987
Telephone: (503) 229-5582

8.4. **Department Contacts - Internet** — Information about air quality permits and the Department's regulations may be obtained from the DEQ web page at www.deq.state.or.us.

8.5. **Department Contacts - General** — All inquiries about this permit should be directed to the Department's Northwest Regional Office. The address and phone number are as follows:

Department of Environmental Quality
Northwest Regional Office
2020 SW 4th Avenue, Suite 400
Portland, OR 97201-4987
Telephone: (503) 229-5554

9.0 FEES

9.1.	**Annual Compliance Fee**	The Annual Fee specified in OAR 340-216-0020, Table 2, Part 2 for a Standard ACDP is due on **December 1** of each year this permit is in effect. An invoice indicating the amount, as determined by Department regulations, will be mailed prior to the above date.
9.2.	**Change of Ownership or Company Name Fee**	The non-technical permit modification fee specified in OAR 340-216-0020, Table 2, Part 3(a) is due with an application for changing the ownership or the name of the company.
9.3.	**Special Activity Fees**	The special activity fees specified in OAR 340-216-0020, Table 2, Part 3 (b through i) are due with an application to modify the permit.
9.4.	**Where to Submit Fees**	Fees must be submitted to: Department of Environmental Quality Business Office 811 SW Sixth Avenue Portland, Oregon 97204-1390

10.0 GENERAL CONDITIONS AND DISCLAIMERS

10.1.	**Permitted Activities**	This permit allows the permittee to discharge air contaminants from processes and activities related to the air contaminant source(s) listed on the first page of this permit until this permit expires, is modified, or is revoked.
10.2.	**Other Regulations**	In addition to the specific requirements listed in this permit, the permittee must comply with all other legal requirements enforceable by the Department.
10.3.	**Conflicting Conditions**	In any instance in which there is an apparent conflict relative to conditions in this permit, the most stringent conditions apply.
10.4.	**Masking of Emissions**	The permittee must not cause or permit the installation of any device or use any means designed to mask the emissions of an air contaminant that causes or is likely to cause detriment to health, safety, or welfare of any person or otherwise violate any other regulation or requirement.
10.5.	**Department Access**	The permittee must allow the Department's representatives access to the plant site and pertinent records at all reasonable times for the purposes of performing inspections, surveys, collecting samples, obtaining data, reviewing and copying air contaminant emissions discharge records and conducting all necessary

functions related to this permit in accordance with ORS 468-095.

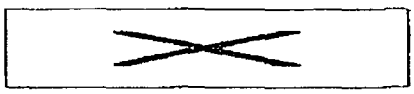
10.6.	**Permit Availability**	The permittee must have a copy of the permit available at the facility at all times.
10.7.	**Open Burning**	The permittee may not conduct any open burning except as allowed by OAR 340 Division 264.
10.8.	**Asbestos**	The permittee must comply with the asbestos abatement requirements in OAR 340, Division 248 for all activities involving asbestos-containing materials, including, but not limit to, demolition, renovation, repair, construction, and maintenance.
10.9.	**Property Rights**	The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.
10.10.	**Termination, Revocation, or Modification**	The Department may modify or revoke this permit pursuant to OAR 340-216-0082 and 340-216-0084.

11.0 EMISSION FACTORS

Process	Pollutant	Monitoring Parameter (P)	Emissions Factor (EF)	Emissions Factor Units
Boilers (natural gas)	PM/PM_{10}[1]	MM ft^3 of natural gas combusted	7.6	lbs/MM ft^3
	SO_2	MM ft^3 of natural gas combusted	2.6	lbs/MM ft^3
	NO_X	MM ft^3 of natural gas combusted	100	lbs/MM ft^3
	CO	MM ft^3 of natural gas combusted	84	lbs/MM ft^3
	VOC	MM ft^3 of natural gas combusted	5.5	lbs/MM ft^3
Boilers (fuel oil)	PM/PM_{10}[1]	Gallons of fuel oil combusted	Distillate oil - 3.3 Resid. oil – 20.8	lbs/1000 gal
	SO_2	Gallons of fuel oil combusted	Distillate oil – 71[2] Resid. oil – 274.8[3]	lbs/1000 gal
	NO_X	Gallons of fuel oil combusted	Distillate oil - 20 Resid. oil - 55	lbs/1000 gal
	CO	Gallons of fuel oil combusted	Distillate oil - 5 Resid. oil - 5	lbs/1000 gal
	VOC	Gallons of fuel oil combusted	Distillate oil – 0.2 Resid. oil – 0.28	lbs/1000 gal
Storage tanks	VOC	Monitor gallons of throughput for respective 12-month period	Use TANKS software or AP-42 algorithms for 12-	tons/yr

Process	Pollutant	Monitoring Parameter (P)	Emissions Factor (EF)	Emissions Factor Units
			month emission rate calculation[4]	
Refined products truck loading rack	VOC	Gallons loaded	Gas – 0.008 Distillate[6]	lbs/1000 gal
Refined products truck loading rack fugitives	VOC	Gallons loaded	Gas[5] Distillate[6]	lbs/1000 gal
Marine loading	VOC	Gallons loaded	Distillate oil – 0.012 Jet Kerosene – 0.013 Resid. oil[6]	lbs/1000 gal
Process Oil/water separator	VOC	Gallons of throughput	TBD	lbs/1000 gal
Equipment Leaks	VOC	Equipment leak constant (K_{FUG})	3.6	tons/yr
Aggregate Insignificant activities[7]	VOC	Activity constant (K_{AI})	1	tons/yr

1. All PM from fuel combustion is presumed to be PM_{10}.
2. Permittee may determine emission factor based upon weighted average fuel oil sulfur content of all distillate fuel oil combusted during emission calculation period using the following formula: 142(S).
3. *Permittee may determine emission factor based upon weighted average fuel oil sulfur content of* all residual fuel oil combusted during emission calculation period using the following formula: 157(S).
4. Algorithms are referenced in Appendix A of this permit.
5. Factor includes a presumed vapor collection efficiency of 98.7% (fugitive emission rate of 1.3%). Factor may be determined using AP-42 formula:



Where:
S = saturation factor
P = true vapor pressure
M = molecular weight of vapor
T = temperature (°R)
eff = reduction efficiency

6. Emissions are negligible and are included as an insignificant activity component.
7. Aggregate insignificant emission sources consist of the following sources: lube plant tanks, truck fueling at refined products loading rack (diesel), lube oil truck loading rack (top loading of finished lube oils and some base stocks), black oil/RFO loading rack, diesel/black oil pump off area, lube oil truck unloading area, lube oil additive truck unloading area, gasoline additive truck unloading area, rail car loading (lube oil and base oils), rail car unloading (fuel oils; decant, cutter, RFO), marine vessel offloading (gasoline, diesel, and fuel oils), ethanol truck unloading, and lube plant facility fugitive emissions.

12.0 ABBREVIATIONS, ACRONYMS, AND DEFINITIONS

ACDP	Air Contaminant Discharge Permit
ASTM	American Society for Testing and Materials
AQMA	Air Quality Maintenance Area
calendar year	The 12-month period beginning January 1st and ending December 31st
CFR	Code of Federal Regulations
CO	carbon monoxide
DEQ	Oregon Department of Environmental Quality
dscf	dry standard cubic foot
EPA	US Environmental Protection Agency
FCAA	Federal Clean Air Act
gal	gallon(s)
gr/dscf	grains per dry standard cubic foot
HAP	Hazardous Air Pollutant as defined by OAR 340-244-0040
I&M	inspection and maintenance
lb	pound(s)
MMBtu	million British thermal units
NA	not applicable
NESHAP	National Emissions Standards for Hazardous Air Pollutants
NO_X	nitrogen oxides
NSPS	New Source Performance Standard
NSR	New Source Review
O_2	oxygen
OAR	Oregon Administrative Rules
ORS	Oregon Revised Statutes
O&M	operation and maintenance
Pb	lead
PCD	pollution control device
PM	particulate matter
PM_{10}	particulate matter less than 10 microns in size
ppm	part per million
PSD	Prevention of Significant Deterioration
PSEL	Plant Site Emission Limit
PTE	Potential to Emit
RACT	Reasonably Available Control Technology
scf	standard cubic foot
SER	Significant Emission Rate
SIC	Standard Industrial Code
SIP	State Implementation Plan
SO_2	sulfur dioxide
Special Control Area	as defined in OAR 340-204-0070
VE	visible emissions
VOC	volatile organic compound
year	A period consisting of any 12-consecutive calendar months

Appendix A

The following equations were developed by the American Petroleum Institute. Equations were obtained from EPA's AP-42 Section 7.1.

$VOC_{IFRTanks}$ = VOC emissions from internal floating roof tanks.

$$VOC_{IFRTanks} = L_T = L_{WD} + L_R + L_F + L_D$$

L_T = total loss, lb VOC/yr

$$L_{WD} = \frac{(0.943)\,QCW_L}{D}\left[1 + \frac{(N_C F_C)}{D}\right]$$

$$L_R = (K_{Ra} + K_{Rb} v^n) D P^* M_V K_C$$

$$L_F = F_F P^* M_V K_C$$

$$L_D = K_D S_D D^2 P^* M_V K_C$$

where:

L_{WD} = withdrawal loss, lb/yr
L_R = rim seal loss, lb/ yr
L_F = deck fitting loss, lb/ yr
L_D = deck seam loss, lb/ yr
Q = product average throughput (tank capacity [bbl] times turnovers per year), bbl/ yr
C = product withdrawal shell clingage factor, bbl/1,000 ft^2
W_L = density of liquid, lb/gal
D = tank diameter, ft
N_C = number of columns, dimensionless
F_C = effective column diameter, ft
K_{Ra} = zero wind speed rim seal loss factor, lb-mole/ft·yr
K_{Rb} = wind speed dependent rim seal loss factor, lb-mole/$(mph)^n$ft·yr (see Table 7.1-8)
v = average ambient site wind speed (zero for internal floating roof tanks), mph
M_V = the average molecular weight of the product vapor, lb/lb-mole

K_C = the product factor, dimensionless
P^* = the vapor pressure function, dimensionless

$$= (P_{VA}/P_A)/[1 + (1-([P_{VA}/P_A])^{0.5})]^2$$

and

P_{VA} = the vapor pressure of the material stored, psia;
See Notes 1 and 2 to Equation 1-9 and Note 3 to Equation 2-3.

P_A = average atmospheric pressure at tank location, psia

F_F = the total deck fitting loss factor, lb-mole/yr

$$= \sum_{i=1}^{n_f} (N_{Fi}K_{Fi}) = [(N_{F1}K_{F1}) + (N_{F2}K_{F2}) + ... + (N_{Fnf}K_{Fnf})]$$

and:

N_{Fi} = number of fittings of a particular type, dimensionless. N_{Fi} is determined for the specific tank or estimated from AP-42 Table 7.1-12

K_{Fi} = deck fitting loss factor for a particular type of deck fitting, lb-mole/yr. K_{fi} is determined for each fitting type using AP-42 Table 7.1-12.

n_f = number of different types of fittings, dimensionless

K_D = the deck seam loss factor, lb-mole/ft·yr

= 0.14 for nonwelded decks

= 0 for welded decks

S_D = deck seam length factor, ft/ft^2

$$= L_{seam}/A_{deck}$$

and:

L_{seam} = total length of deck seams, ft

A_{deck} = area of deck, $ft^2 = \pi D^2/4$

The following parameters can be obtained from AP-42 Tables or assumptions:

K_C = 1.0 for volatile organic liquids

N_C = 1 (from AP-42 Table 7.1-11)

F_C = 1.0 (assumed)

K_{Ra} = 0.3 (from AP-42 Table 7.1-8)

K_{Rb} = 0.6 (from AP-42 Table 7.1-8)

v = 0 for internal floating roof tanks

M_V = 62 lb/lb-mole (from AP-42 Table 7.1-2)

W_L = 5.6 lb/gal (from AP-42 Table 7.1-2)

C = 0.0015 bbl/1,000 ft^2 (from AP-42 Table 7.1-10)

K_D = 0 for welded decks so S_D is not needed

F_F = $\Sigma(K_{Fi}N_{Fi})$

$\mathbf{VOC_{FRTanks}}$ = VOC emissions from fixed roof tanks.

$$\mathbf{VOC_{FRTanks}} = L_T = L_S + L_W$$

where:

L_T = total losses, lb VOC/ yr

L_S = standing storage losses, lb VOC/ yr

L_W = working losses, lb VOC/ yr

Standing Storage Loss - Fixed roof tank breathing or standing storage losses can be estimated from:

$$L_S = 365\ V_V W_V K_E K_S$$

where:

L_S = standing storage loss, lb/ yr

V_V = vapor space volume, ft^3

W_V = vapor density, lb/ft^3

K_E = vapor space expansion factor, dimensionless

K_S = vented vapor saturation factor, dimensionless

365 = constant, days/yr

Working Loss - The working loss, L_W, can be estimated from:

$$L_W = 0.0010\ M_V P_{VA} Q K_N K_P$$

where:

L_W = working loss, lb/ yr

M_V = vapor molecular weight, lb/lb-mole; see Note 1 to Equation 1-9

P_{VA} = vapor pressure at daily average liquid surface temperature, psia; see Notes 1 and 2 to Equation 1-9

Q = annual net throughput (tank capacity [bbl] times annual turnover rate)

K_N = turnover factor, dimensionless; see Figure 7.1-18
for turnovers > 36, $K_N = (180 \div N)/6N$
for turnovers ≤ 36, $K_N = 1$

N = number of turnovers per year, dimensionless

$$N = \frac{5.614Q}{V_{LX}}$$

where:

N = number of turnovers per year, dimensionless
Q = annual net throughput, bbl/ yr
V_{LX} = tank maximum liquid volume, ft^3

and

$$V_{LX} = \frac{\pi D^2 H_{LX}}{4}$$

where:

D = diameter, ft

H_{LX} = maximum liquid height, ft

K_P = working loss product factor, dimensionless, 0.75 for crude oils. For all other organic liquids, $K_P = 1$

Document2

Department of Environmental Quality
Northwest Region
Air Quality Program

Standard
AIR CONTAMINANT DISCHARGE PERMIT
REVIEW REPORT

ConocoPhillips Company
5528 NW Doane Ave.
Portland, OR 97210
503-248-1538

Source Test	Compl Sched	Report				Excess		NSR	PSD	RACT	NSPS	NESHAP	Size	Public Notice
		A	S	Q	M	R	N							
X		X					X			X	X		ST	3

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PERMITTING

PERMITTING ACTION

1. The permit is a renewal of an existing Air Contaminant Discharge Permit (ACDP) which was issued on 05/27/1999 and was originally scheduled to expire on 03/01/2003. The old ACDP is being converted to a Standard ACDP in accordance with the rules adopted in May 2001.

OTHER PERMITS

2. Other permits issued or required by the Department of Environmental Quality for this source include:

   NPDES General Permit
   Underground Storage Tank Permit
   Hazardous Waste Generator Permit

ATTAINMENT STATUS

3. The facility is located in a maintenance area for carbon monoxide (CO) and ozone. Oxides of nitrogen (NO_x) and volatile organic compounds (VOC) are precursors of ozone. As permitted, the facility is an insignificant source of CO and a moderate source of NO_x and VOC. The area is in attainment for all other pollutants.

SOURCE DESCRIPTION

OVERVIEW

4. The permittee operates a bulk gasoline terminal located at 5528 N.W. Doane Avenue in Portland. The facility was previously owned and operated by Tosco Corporation. The terminal has 118 storage tanks for approximately 854,885 barrels of storage tank capacity. The products that are stored and loaded from the facility may include, but are not limited to, gasoline, diesel, fuel/heating oil, ethanol, lube oils and other common commercially available bulk organic liquid products. Organic vapors from the truck loading rack (gasoline/diesel) are controlled by a dual-bed carbon adsorption vapor recovery unit (VRU).

   Organic liquid products are stored predominantly in fixed-roof above-ground storage tanks at the facility. Storage tanks having capacity of greater than 39,000 gallons and storing a volatile organic compound (VOC) liquid with a true vapor pressure that is greater than 1.52 psia, as stored, at actual monthly average storage temperatures, are equipped with internal floating covers having at least a primary seal.

5. Since the last permit renewal the permittee installed a new Callidus Technologies vapor recovery unit (VRU) to control hydrocarbon emissions produced at its truck loading rack. Prior to this installation the permittee controlled its truck loading emissions with a VRU located at the Chevron Products Company.

PROCESS AND CONTROL DEVICES

6. Existing air contaminant sources at the facility consist of the following:

AMT	EQUIPMENT	MFG/MODEL	CAPACITY/ PROD. RATE	CONTROL EQUIPMENT	INSTALLED/ MODIFIED
118	Fixed-roof tanks	Various	Various	Roof, seals	Various
1	Refined Products Truck Loading Rack	NA (Custom)	3600 gal/min (600 gal/min /arm x 6)	Carbon Bed VRU	1999
1	Fuel (Black Oil) Truck Loading Rack	NA (Custom)	500 gal/min	None	1950s
1	Marine Loading	NA (Custom)	3,600 gal/min	None	1950s
4	Oil/Water Separators	Custom	Various	None	Various
1	Fugitive	Unknown	Various	None	Various
2	Boilers	Erie City Cleaver Brooks	58 MMBtu/hr 14.6 MMBtu/hr	None	1973 1984
2	Railcar & lube oil loading	Custom	250 gal/min	Railcar & lube oil loading uncontrolled	1974

CONTINUOUS MONITORING DEVICES

7. The facility has the following continuous monitoring devices:

Organic vapor analyzer for VRU exhaust gas emissions.

COMPLIANCE

8. The facility was inspected on 08/28/2001, 09/27/2000, 09/15/1999, and 09/21/1998 and

found to be in compliance with permit conditions.

9. During the prior permit period there were no complaints recorded for this facility.

10. No enforcement actions have been taken against this source since the last permit renewal.

EMISSIONS

11. Proposed PSEL information:

Pollutant	Baseline Emission Rate (tons/yr)	Netting Basis		Plant Site Emission Limits[a] (PSEL)		
		Previous (tons/yr)	Proposed[b] (tons/yr)	Previous PSEL (tons/yr)	Proposed PSEL (tons/yr)	PSEL Increase (tons/yr)
PM/PM_{10}[a]	1.1	1.1	1[d]	2	14[e]	12[e]
SO_2	1	75	75	75	75	0
NO_x	11.3	8.1	8[d]	14	39[e]	25[e]
CO	2.8	2.8	7[f]	4	99[e]	95[e]
VOC	726.4	128.9	119	99	99	0

a. The PSEL is a federally enforceable limit on the potential to emit.
b. With this permit action, the netting basis as proposed is hereby frozen pursuant to OAR 340-200-0020(71) and will only be recalculated as needed under the terms of OAR 340-200-0020(71)(a)(A) through (C).
c. Particulate matter is produced as product of combustion (boiler operation) and is all presumed to be PM_{10}.
d. Quantity rounded to whole number.
e. Proposed PSEL and associated increase is attributed to the Department establishing the PSEL at the Generic PSEL equivalent [OAR 340-222-0040 and OAR 340-200-0020(56)] for the respective pollutant and is not representative of an actual emission increase at the facility. Refer to the emission detail sheet for maximum anticipated actual emissions.
f. Increase due to revised emission factor.
g. Netting basis revised due to reduction required by rule attributed to adoption of marine vapor recovery rule (although permittee no longer performs marine, the portion of its netting basis that was attributed to marine loading of gasoline in the baseline period was adjusted for the rule requirement). Netting basis was also revised due to revised emission factor to include fugitive emissions.

12. In addition to the PSEL, the permit includes the following:

Pollutant	Unassigned Emissions (tons/yr)	Emission Reduction Credits (tons/yr)
VOC	20	NA

a. The permittee has 20 tons of unassigned VOC emissions. The unassigned emissions are attributed to its decision to accept federally enforceable permit conditions that limit its PTE to levels below Title V major source thresholds. The unassigned emission is the difference between its netting basis and its recognized PTE. Before it can utilize the unassigned emissions, the permittee must first obtain a Title V operating permit.

AGGREGATE INSIGNIFICANT EMISSIONS

13. Analysis of VOC emissions from the following sources at the terminal found the associated emissions to be negligible: lube plant tanks, truck fueling at refined products loading rack (diesel), lube oil truck loading rack (top loading of finished lube oils and some base stocks), black oil/RFO loading rack, diesel/black oil pump off area, lube oil truck unloading area, lube oil additive truck unloading area, gasoline additive truck unloading area, rail car loading (lube oil and base oils), rail car unloading (fuel oils; decant, cutter, RFO), marine vessel offloading (gasoline, diesel, and fuel oils), ethanol truck unloading, and lube plant facility fugitive emissions. For purposes of emission compliance determination calculations the identified sources and their emissions have been grouped together in this permit as "aggregate insignificant emissions." When all of the identified aggregate insignificant emissions are combined it results in less than one ton of hydrocarbon emissions annually. When performing PSEL compliance calculations, the permittee must account for the VOC emissions from the activities identified above by include a 1 ton per year aggregate insignificant emissions constant in the compliance calculation equation.

SIGNIFICANT EMISSION RATE ANALYSIS

14. For each pollutant, the proposed Plant Site Emission Limit is less than the Netting Basis plus the significant emission rate, thus no further air quality analysis is required.

MAJOR SOURCE APPLICABILITY

CRITERIA POLLUTANTS

15. A major source is a facility that has the potential to emit more than 100 tons per year of any criteria pollutant. Although the source has the capacity to emit above the Title V major source threshold levels, the permittee has elected not to obtain an Oregon Title V Operating Permit by requesting a PSEL below the major source threshold levels. The PSEL is a federally enforceable limit on PTE.

HAZARDOUS AIR POLLUTANTS

16. The permittee handles products that contain components that are listed as Hazardous Air Pollutants (HAPs) in Section 112(b) of the Federal Clean Air Act and OAR 340-244-0040, Table 1. Using mass balance calculations the permittee determined that when total VOC emissions are limited to 99 tons/year its potential to emit HAPs is below the major source thresholds (major source threshold for HAPs = potential to emit 10 or more tons of any single HAP or 25 or more tons of any combination of HAPs) of the Title V Federal Operating Permit program. The permit contains conditions requiring the permittee to monitor HAP content of terminaled products to ensure that changes in product formulations do not threaten the facility's minor source status. At the time of permit issuance, actual maximum HAP emissions were estimated to be less than 3 tons/yr of total combined HAPs.

ADDITIONAL REQUIREMENTS

NSPS APPLICABILITY

17. The permittee has 22 storage tanks which are individually subject to federal regulations for New Source Performance Standards (NSPS) **40 CFR 60 Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984**. The subject tanks range in size from 15,000 to 20,000 gallons. Due to the small individual size of the tanks and the low true vapor pressure of the stored product (<2.18 psia – associated with 20,000 gallon tanks only) the only applicable regulatory requirement for the permittee to perform for the tanks is to maintain a permanent record of each tank's dimensions and an analysis of each tank's storage capacity.

NSPS Kb Subject Tanks					
Tank No.	Year Constructed	Capacity (gal)	Tank No.	Year Constructed	Capacity (gal)
4388	1984	15,000	4400	1985	15,000
4389	1984	15,000	4401	1985	15,000
4390	1985	15,000	4402	1985	15,000
4391	1985	15,000	4403	1985	15,000
4392	1985	15,000	4404	1985	15,000
4393	1985	15,000	4405	1987	15,000
4394	1985	15,000	4406	1987	15,000
4395	1985	15,000	4407	1987	15,000
4397	1985	15,000	4408	1987	15,000
4398	1985	15,000	4436	1990	20,000

4399	1985	15,000	4437	1990	20,000

NESHAPS/MACT APPLICABILITY

18. At the time of the ACDP application review this source was not subject to federal regulations for National Emissions Standards for Hazardous Air Pollutants (NESHAPs).

RACT APPLICABILITY

19. The facility is located in the Portland AQMA and the following RACT requirements apply:

OAR 340-232-0085 - regulations for gasoline delivery vessels
OAR 340-232-0090 - regulations for bulk gasoline terminals
OAR 340-232-0100 - regulations for testing vapor transfer and collection systems
OAR 340-232-0150 - regulations for liquid (volatile organic) storage

TACT APPLICABILITY

20. The source is not subject to the state's TACT/Highest and Best Rules since it is subject to and complying with the RACT regulations identified above.

SOURCE TESTING

PRIOR TESTING RESULTS

21. The results of the most recent source tests are listed below:

Emission Device	Test Date	Pollutant	Measured Value
Callidus VRU	04/28/2000	VOC	0.0067 lb/1000 gallons loaded
Callidus VRU	09/17/1999	VOC	0.008 lb/1000 gallons loaded

PROPOSED TESTING

22. The Callidus Technologies VRU will be tested within twelve months from permit date of issue.

PUBLIC NOTICE

23. Pursuant to OAR 340-216-0066(4)(a)(A), renewals of Standard Air Contaminant Discharge Permits require public notice in accordance with OAR 340-209-0030(3)(c). The proposed permit was placed on public notice for a 35-day period from September 4, 2003 to October 10, 2003. No comments were received.

ggg:EJD
Document3
10/14/2003

ConocoPhillips Company
Plant Site Emission Limit Detail Sheet
Baseline Year 1978

EMISSION POINT	OPERATING PARAMETER	EMISSION FACTOR RATE	EMISSION FACTOR REFERENCE	EMISSIONS TONS/YEAR
Volatile Organic Compounds				
Product storage and handling losses				
	Fixed Roof Tanks - 3,692,857 bbl gasoline	Tank specific	AP-42 TANKS	[308.3 Unadjusted(1)]
	Fixed Roof Tanks - 3,692,857 bbl gasoline	Tank specific Adjusted for rule	AP-42 TANKS	17.2 Adjusted(2)
	Fixed Roof Tanks - 1,822,941 bbl fuel oil/diesel	Tank specific	AP-42 TANKS	1.4
Bulk Loading				
Truck Loading	110,800,000 gal gasoline	6.2 lbs/10^3 gal	AP-42	[343.5 Unadjusted(3)]
	110,800,000 gal gasoline	1.27 lbs/10^3 gal Adjusted for rule (0.67 lbs/10^3 gal w/98.3% capture eff.)	Regulatory Limit	70.4 Adjusted (4)
	53,594,465 gal diesel/ heating oil(5)	0.014 lbs/10^3 gal	AP-42	0.4
Marine Vessel Loading				
	23,300,000 gal gasoline	3.9 lbs/10^3 gal	AP-42	[45.4 Unadjusted(6)]
	23,300,000 gal gasoline	0.2 lbs/10^3 gal	Regulatory Limit	2.3 Adjusted (7)
	11,484,528 gal diesel/ heating oil(8)	0.012 lbs/10^3 gal	AP-42	0.1
Oil/Water Separator				
	3000 gal/day throughput	5 l[illegible] 0^3 gal	FIRE	[illegible]3

ConocoPhillips Company
Plant Site Emission Limit Detail Sheet
Baseline Year 1978

EMISSION POINT	OPERATING PARAMETER	EMISSION FACTOR RATE	EMISSION FACTOR REFERENCE	EMISSIONS TONS/YEAR
	1,095,000 gal/yr(9)			
Fugitive Emissions (valves, pumps, flanges, etc.)	327 Valves	47 lb/source/yr	AP-42 S. Coast AQMD	7.8
	12 Pumps	432 lb/source/yr	AP-42 S. Coast AQMD	2.6
	604 Flanges	4.9 lb/source/yr	AP-42 S. Coast AQMD	1.5
	856 Other connectors	4.9 lb/source/yr	AP-42 S. Coast AQMD	2.1
Asphalt Operations				
Storage	32,613,000 Asphalt feed stock 18,315,360 gal finished asphalt	Tank specific	AP-42 TANKS	4.7
Loading	18,315,360 gal asphalt loaded	0.48 lbs/10^3 gal	AP-42 w/Chevron monitoring data	4.4
Boilers				
Erie City				
Cleaver Brooks	72.65 MMBtu/hr total input			
	10,128 gal No. 2 fuel oil	0.2 lbs/10^3 gal	AP-42	negligible
	159.3 x 10^6 ft^3 nat. gas	5.5 lbs/10^6 ft^3	AP-42	0.4
Aggregate Insignificant Activities	Lube oil, gear oil, asphalt emulsions			1
		VOC Total	Baseline Emission Rate	726.4

ConocoPhillips Company
Plant Site Emission Limit Detail Sheet
Baseline Year 1978

EMISSION POINT	OPERATING PARAMETER	EMISSION FACTOR RATE	EMISSION FACTOR REFERENCE	EMISSIONS TONS/YEAR
			Netting Basis	119
Particulate Matter				
Erie City				
Cleaver Brooks	72.65 MMBtu/hr total input			
	10,128 gal No. 2 fuel oil	3.3 lbs/10^3 gal	AP-42	**negligible**
	159.3 x 10^6 ft^3 nat. gas	7.6 lbs/10^6 ft^3	AP-42	0.6
		PM Total	Baseline Emission Rate **Netting Basis**	0.6
Oxides of Nitrogen				
Erie City				
Cleaver Brooks	72.65 MMBtu/hr total input			
	10,128 gal No. 2 fuel oil	20 lbs/10^3 gal	AP-42	0.1
	159.3 x 10^6 ft^3 nat. gas	100 lbs/10^6 ft^3	AP-42	8
		NO_X Total	Baseline Emission Rate **Netting Basis**	8.1
Carbon Monoxide				
Erie City				
Cleaver Brooks	72.65 MMBtu/hr total input			
	10,128 gal No. 2 fuel oil	5 lbs/10^3 gal	AP-42	**negligible**
	159.3 x 10^6 ft^3 nat. gas	84 lbs/10^6 ft^3	AP-42	6.7
		CO Total	Baseline Emission Rate	6.7

ConocoPhillips Company
Plant Site Emission Limit Detail Sheet
Baseline Year 1978

EMISSION POINT	OPERATING PARAMETER	EMISSION FACTOR RATE	EMISSION FACTOR REFERENCE	EMISSIONS TONS/YEAR
			Netting Basis	
Sulfur Dioxide Erie City Cleaver Brooks	72.65 MMBtu/hr total input 10,128 gal No. 2 fuel oil 159.3 x 10^6 ft^3 nat. gas	71 lbs/10^3 gal 2.6 lbs/10^6 ft^3	AP-42 DEQ(10)	0.4 0.2
		SO_2 Total	Baseline Emission Rate **Netting Basis**	0.6

(1) "Unadjusted" emission quantity represents baseline emission rate for fixed roof gasoline storage tanks, unadjusted for Department RACT rules for storage vessels. Emission quantity includes emissions for two fixed roof tanks (2915 and 4259), equipped with internal floating pans and primary seals (RACT compliant) that were present during the baseline year. Other fixed roof gasoline storage tanks were connected to a Horton dome with diaphragm (vapor bag) for vapor control/recovery. Control efficiency was assumed to be 50%.

(2) "Adjusted" emission quantity equals the netting basis which is the baseline emission rate for fixed roof gasoline storage tanks, adjusted for Department RACT rules for storage vessels. Emissions were calculated assuming that each fixed roof gasoline storage tank was equipped with with an internal floating pan with primary seal.

(3) "Unadjusted" emission quantity represents baseline emission rate for the truck loading rack unadjusted for Department RACT rules for gasoline terminals.

(4) "Adjusted" emission quantity equals the netting basis which is the baseline emission rate for the truck loading rack adjusted for Department RACT rules for gasoline terminals.

(5) Actual quantity of diesel/heating oil loaded into trucks in the baseline year was not available in the source file. It was assumed that 70% of the annual diesel/heating oil throughput was loaded into trucks based upon historical operational performance documented in the file.

(6) "Unadjusted" emission quantity represents baseline emission rate for marine vessel loading of gasoline unadjusted for Department RACT rules for marine vessel loading.

(7) "Adjusted" emission quantity equals the netting basis which is the baseline emission rate for marine vessel loading of gasoline adjusted for Department RACT rules.

(8) Actual quantity of diesel/heating oil loaded into marine vessels in the baseline year was not available in the source file. It was assumed that 15% of the annual diesel/heating oil throughput was loaded into marine vessels based upon historical operational performance documented in the file.

(9) Actual quantity of liquid throughput for the oil/water separators in the baseline year was not available in the source file. It was assumed that this quantity was identical to current typical years.

(10) Emission factor based upon sulfur content of Portland area natural gas supply - determined in 1993.

EMISSION POINT	OPERATING PARAMETER	EMISSION FACTOR RATE	EMISSION FACTOR REFERENCE	EMISSIONS TONS/YEAR
Volatile Organic Compounds				
Product storage and handling losses				
	Int. Floating Roof Tanks - 9,175,648 bbl gasoline/ethanol/Ht. Oil	Tank Specific	AP-42 TANKS	30.9
	Fixed Roof Tanks –13,695,212 bbl fuel oil/diesel/base oil/RFO/MFO	Tank Specific	AP-42 TANKS	2.4
Bulk Loading Truck Loading	Max Load Rate = 3,600 gal/min 460 MMgal petroleum products loaded	0.21 lbs/10^3 gal (includes 1.3% fugitives)	Source Test	48.3
Marine Vessel Loading	Max Load Rate = 3,600 gal/min 85.7 MMgal diesel	0.012 lbs/10^3 gal	AP-42	0.5
Oil/Water Separator	20,000 gal/day throughput 4,653,750 gal/yr	5 lbs/10^3 gal	FIRE	11.6
Fugitive Emissions (valves, pumps, flanges, etc.)	327 Valves	1.4 lb/source/yr	API Pub. No. 4588	0.2
	12 Pumps	27.2 lb/source/yr	API Pub. No. 4588	0.2
	1460 Flanges/other connections	0.6 lb/source/yr	API Pub. No. 4588	0.4
Boilers City				

EMISSION POINT	OPERATING PARAMETER	EMISSION FACTOR RATE	EMISSION FACTOR REFERENCE	EMISSIONS TONS/YEAR
Cleaver Brooks	72.65 MMBtu/hr total input			
	residual oil - no use projected	0.28 lbs/10^3 gal	AP-42	
	369,000 gal fuel oil (0.3% S)	0.2 lbs/10^3 gal	AP-42	0.04
	144 MMft^3 nat. gas	5.5 lbs/10^6 ft^3	AP-42	0.4
Insignificant Activities				
	Rail Car Loading (lube oil, fuel oil, additives)			1
	Barge loading diesel/fuel oil			
			VOC Totals	**95.9**
Particulate Matter				
Erie City				
Cleaver Brooks	72.65 MMBtu/hr total input			
	residual oil - no use projected	20.8 lbs/10^3 gal	AP-42	
	369,000 gal fuel oil (0.3% S)	3.3 lbs/10^3 gal	AP-42	0.6
	144 MMft^3 nat. gas	7.6 lbs/10^6 ft^3	AP-42	0.5
			Total PM/PM_{10}	**1.1**
Oxides of Nitrogen				
Erie City				
Cleaver Brooks	72.65 MMBtu/hr total input			
	residual oil - no use projected	55 lbs/10^3 gal	AP-42	
	369,000 gal fuel oil (0.3% S)	20 lbs/10^3 gal	AP-42	3.7
	144 MMft^3 nat. gas	100 lbs/10^6 ft^3	AP-42	7.2
			Total NO_X	**10.9**
Carbon Monoxide				

EMISSION POINT	OPERATING PARAMETER	EMISSION FACTOR RATE	EMISSION FACTOR REFERENCE	EMISSIONS TONS/YEAR
Erie City				
Cleaver Brooks	72.65 MMBtu/hr total input			
	residual oil - no use projected	5 lbs/10^3 gal	AP-42	
	369,000 gal fuel oil (0.3% S)	5 lbs/10^3 gal	AP-42	1
	144 MMft^3 nat. gas	84 lbs/10^6 ft^3	AP-42	6
			Total CO	7
Sulfur Dioxide				
Erie City				
Cleaver Brooks	72.65 MMBtu/hr total input			
	residual oil - no use projected	274.75 lbs/10^3 gal	AP-42	
	369,000 gal fuel oil (0.3% S)	71 lbs/10^3 gal (emission factor based on 0.5% S for operational flexibility)	AP-42	13.1
	144 MMft^3 nat. gas	2.6 lbs/10^6 ft^3	AP-42	0.2
			Total SO_2	13.3