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DEPT OF ECOLOGY

Tosco Refining Company
A Division of Tosco Corporation
Portland Terminal
5528 Northwest Doane Avenue
Portland, Oregon 97210

July 24, 2000

Mr. Joe Hickey
Dept. of Ecology, NW Region
3190 - 160th Avenue SE
Bellevue, Washington 98008-5452

Subject: Voluntary Cleanup Program Site Summary and NFA Request
Tosco Bulk Plant No. 0392
8436 Depot Road (3rd Street), Lynden, WA 98264

Dear Mr. Hickey:

Attached is a completed Voluntary Cleanup Program (VCP) Request for Assistance form, VCP Site Summary form, and a deposit (check) in the amount of \$500 for the above-referenced site. A copy of the most recent site assessment report (*Summary of Additional Site Assessment Activities*, Noll Environmental, March 20, 2000) was previously submitted to Ms. Cyma Tupas your office on March 24, 2000. Copies of additional site assessment reports (*Summary of Assessment Activities*, Pacific Environmental Group, February 12, 1998; and *Summary of Additional Assessment Activities*, Noll Environmental, November 16, 1998) have previously been submitted to Ecology. Tosco purchased the site from UNOCAL in March 1997. The site operator is Bosman Petroleum, Inc. Petroleum-impacted soil exceeding the MTCA Method A cleanup level for diesel and oil has been identified at 2 to 5 feet below grade near the east end of the site warehouse. The existing warehouse structure precludes excavating and removing the shallow soil contamination at this time.

A groundwater sample collected from a geoprobe[®] boring drilled near the tank farm in October 1998 contained 9 ppb total lead. Based on this sample result, Ecology listed the site as having confirmed groundwater contamination. All TPH-G and BTEX concentrations for the geoprobe[®] groundwater sample were below the laboratory method detection limits. Two additional geoprobe[®] groundwater samples were collected from the site in March 2000, and tested for TPH-G, TPH-D, TPH-O, BTEX, total lead, and dissolved lead. TPH was not detected in the samples. Toluene (0.5 to 0.8 ppb) was detected in both samples at levels just above the laboratory method detection limit (0.5 ppb). Total xylenes (2 ppb) was also detected in one sample. Total lead (4 to 5 ppb) was detected in both samples, but dissolved lead was not detected in either sample. Therefore, we believe the detections of total lead in the geoprobe[®] samples represent background levels in groundwater in this region.

Based on these data, Tosco respectfully requests that Ecology find that No Further Action is required for groundwater at the site. Tosco has been attempting to sell the facility to the current operator, Bosman Inc. but the sale has been on hold pending resolution of the groundwater issue. Therefore, anything you can do to expedite the issuance of an NFA determination would be greatly appreciated.

If you have questions regarding this letter or the attached documents, please call.

Sincerely,

A handwritten signature in black ink, appearing to read 'Martin Cramer'.

Martin Cramer
Project Manager, Remediation

File: Remediation/Lynden392/JHVCPltr
Attachments



Voluntary Cleanup Program

Washington State - Department of Ecology - Toxics Cleanup Program

Request For Assistance/ Review Form

F/s 13265218 RECEIVED

Have you discussed this site with an Ecology representative in the past? Yes

If yes, what is that person's Name? Cyma Tupas and Nnamdi Madakor

AUG 01 2000

And the approximate date? September 21, 1999; February 10, 2000

Is this a leaking underground storage tank site? (includes piping leaks) No

DEPT OF ECOLOGY

Please submit the following with this signed form to the appropriate Ecology office (see back of form)

- X Site Summary (ECY 020-73) X Any other existing reports on this site
X A Check or Money Order for \$500 made out to "Department of Ecology"

Applicant completes this section: (Note: The applicant is responsible for all billings)

Applicant Name: Tosco Refining Company, Attn: Mr. Marty Cramer Phone: (503) 248-1517

Applicant Address: 5528 NW Doane Avenue

City: Portland

State: OR

Zip: 97210

Site Name: Tosco Bulk Plant 0392

Alternate Name: Former Unocal Site 0392

Site Address: 8436 Depot Road (3rd Street)

City: Lynden

State: WA

Zip: 98264

County: Whatcom

Site Owner Name: Tosco Refining Company, Attn: Mr. Marty Cramer

Site Owner Address: 5528 NW Doane Avenue

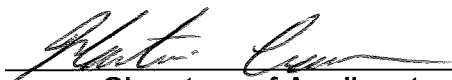
Phone: (503) 248-1517

City: Portland

State: OR

Zip: 97210

I, Martin Cramer (representing Tosco Corp.) request the assistance of the Department of Ecology. With this Application I have enclosed \$500. I understand that: this payment is the equivalent of approximately eight (8) hours of staff review and/or assistance on the cleanup of my contaminated site; actual charges will depend on specific staff and charge-out rates of that staff; if total charges are greater than \$500, I will be billed for and I agree to pay the remainder; and any excess payments will be refunded to me.



Signature of Applicant

7/25/00

Date

Note: The applicant is responsible for all billings.

For Office Use only:

Date:

Hours:

Rate:

Staff Name:

Date:

Hours:

Rate:

Staff Name:

Date:

Hours:

Rate:

Staff Name:

Date:

Hours:

Rate:

Staff Name:

For Office Use only: Receipts

Amount

Date Pd

Rec. #

\$500.00

8/2/00

- -

For FISCAL USE ONLY

173-02-94-005000-5000- 20 - 40

(LUST/Non-LUST) (Office)

LUST/Non-LUST: LUST - 30 Non-LUST - 20

OFFICE: NWRO - 40 SWRO - 50 ERO - 60

CRO - 70 IND - 80 HDQR - 90



Voluntary Cleanup Program

Washington State - Department of Ecology - Toxics Cleanup Program

Site Summary

This Summary is a required component of your request for assistance under the Voluntary Cleanup Program

Which of the following apply?

☒

Requesting assistance on a planned cleanup

☐

Requesting assistance on an ongoing cleanup.

☒

Requesting review of a completed cleanup.

Note: If you submitted your Request for Assistance (ECY 020-74) previously without a Site Summary (this form) or this is a revised Site Summary, Please provide this completed form to Ecology at least five (5) working days prior to the meeting/site visit/documentation review (whichever comes first).

A) Site Identification:		RECEIVED	
Name of Site: Tosco Bulk Plant 0392			
Alternate Name(s) for Site: Former Unocal Bulk Plant 0392		AUG 01 2000	
Bosman Petroleum, Inc., Bulk Plant		DEPT OF ECOLOGY	
Street Address of Site: 8436 Depot Road (3 rd Street)			
City: Lynden	State: WA	Zip: 98264	
County: Whatcom	UBI Number: Unknown		
Mailing Address (if different from above): Tosco Refining Company, 5528 NW Doane Avenue			
City: Portland	State: OR	Zip: 97210	
Township 40N Range 3E Section 20 Quarter-Quarter NW ¼ of NE ¼.			
If Known:			
Latitude:	Degree 48	Minute 56	Second 50.4
Longitude:	Degree 122	Minute 27	Second 8.58
Method used to calculate Latitude and Longitude: Ecology Data Summary Report – 6/5/99			
How large (in acres) is the site? 0.5			

Please attach two maps to this form.

- 1) An area map, showing general location of the site in relation to surrounding bodies of water, cities, highways, and streets. (Please mark site location.)
- 2) A site diagram showing surrounding cross-streets, labeled building outlines, sampling and well locations, etc.

B) Person/Organization Making Request for Assistance/Review:		
Name: Michael D. Noll		
Firm: Noll Environmental, Inc.		
Street Address: 11921 – 185 th Avenue SE		
City: Snohomish	State: WA	Zip: 98290
Telephone Number: (360) 794-9523	Extension:	
Fax Number: (360) 794-6578	e-mail address: nollenv@premier1.net	

Which best describes your involvement with the site? (Check as many as apply.)

Current Owner ☐ Former Owner ☐ Potential Purchaser ☐
Current Operator ☐ Former Operator ☐ Other (specify) ☒
Environmental Consultant for Tosco Refining Company
Attorney for
Insurance Carrier for
Other (specify) for

C) Release Information:

Date of Release (if known): Unknown Date of Discovery: October 1997

Drinking Water: Number of Drinking Water Supply Wells within 1/2 mile: 0

Are there any drinking water systems affected? ☐ yes ☒ no

If yes, has alternate drinking water been provided? ☐ yes ☐ no

If Drinking Water systems are affected, are the systems public, private, or both?

Aquatics: Are there any creeks, streams, ponds, wetlands, or shorelands...

on or adjacent to the site? ☐ yes ☒ no

Within 1/4 mile of the site? ☒ yes ☐ no

Where are they located? Fishtrap Creek is located north of the site.

Are they impacted by contamination from the site? ☐ yes ☒ no

General Hazardous Substance Categories: Please complete the chart below. List the contaminants known or suspected at the site prior to cleanup, and mark the appropriate medium (i.e. soil) with: **C** (confirmed and above MTCA); **B** (confirmed but below MTCA); **S** (suspected); **N/A** (not-applicable); **O** (tested and not present); or **U** (unknown).

Contaminant	Class (for office Use)	Affected Soil	Media: Ground-Water	Surface Water	Air	Sediment	Date of Release (if known)
Example: Lead		C	O	S	U	S	1967-82
1) TPH-G		B	O	N/A	N/A	N/A	Unknown
2) benzene		O	O	N/A	N/A	N/A	Unknown
3) toluene		O	B	N/A	N/A	N/A	Unknown
4) ethylbenzene		O	O	N/A	N/A	N/A	Unknown
5) xylenes		O	B	N/A	N/A	N/A	Unknown
6) lead		U	O	N/A	N/A	N/A	Unknown

D) Report Information of Assessment or Remediation Work Done to Date

Assessment:

Has site assessment work been done at this site? yes ☒ no ☐ In-progress ☐

If yes, when? October 1997 Were results reported to Ecology? yes ☒ no ☐ Date: February 1998

Describe: (list reports in "E" below)

Pacific Environmental Group conducted an initial Site Assessment for Tosco in October 1997. Noll Environmental conducted additional Site Assessment work in October 1998 and March 2000. Soil at the site is impacted with TPH exceeding the MTCA Method A cleanup level. Groundwater lab results for TPH and BTEX are below MTCA Method A. Total lead in groundwater is 4.17 to 9.07 ppb, but dissolved lead is below laboratory detection limits.

Remediation:

Has any site cleanup work been done at the site? yes ☐ no ☒ in-progress ☐

If yes, please continue to answer the remaining questions in this section to the best of your ability.

When was the cleanup work done?

Were results reported to Ecology? yes ☐ no ☐ date

Describe: (list reports in "E" below)

Does contamination remain on-site after cleanup activities? yes ☐ no ☐

If yes, describe: (list reports in "E" below)

For each contaminant listed in **Part C) Release Information (above)**, please describe the quantity of the contaminant (in pounds) which was removed or treated as a result of the cleanup activities:

Contaminant	Class (for office Use)	Pounds of Contaminant:				
		Incinerated	Washed	Removed	Treated	Contained)
Example: Lead		10	20	40	10	60
1)			0			
2)			0			
3)			0			
4)			0			
5)			0			
6)						
7)						
8)						
9)						
10)						
11)						
12)						

As a result of the cleanup:

How many acres of land were returned to **unrestricted** use?

How many acres of land were returned to **restricted** use?

How many cubic feet of contaminated soil was remediated or contained?

How many gallons of contaminated soil was remediated or contained?

How many people are now at reduced risk as a result of the cleanup action?

How many pounds of potential pollution was prevented as a result of the cleanup action?

Methods/Treatments Used	Soil	Groundwater	Surface Water	Drinking Water	Air	Wastes
Method A						
Method B						
Method C						
Have these levels been met through the site ? Y or N						
Destruction or Detoxification						
Carbon Adsorption ¹	N/A					N/A
Biological Treatment					N/A	
Chemical Destruction						
Incineration		N/A	N/A	N/A		
¹ Carbon followed by regeneration: use of granular activated carbon followed by landfilling would be classified in these tables as volume reduction and off-site landfill						
Media Transfer						
Air stripping/Air Sparging	N/A					N/A
Aeration/Vapor Extraction		N/A	N/A	N/A	N/A	
Thermal Desorption		N/A	N/A	N/A		N/A
Immobilization						
Vitrification		N/A	N/A	N/A		
Solidification/Stabilization		N/A	N/A	N/A		
Reuse/Recycling²						
Specify						
² For example, reuse of free petroleum product recovered in a pump and treat system.						
Separation/Volume Reduction						
Solvent Extraction		N/A	N/A	N/A		
Soil Washing		N/A	N/A	N/A		
Physical Separation ³						
³ For example, oil/water separators.						
Land Disposal/Containment						
Containment or On-site Landfill			N/A			
Off-site Landfill		N/A	N/A	N/A		
Institutional Controls						
Specify						
Others						
Specify Treatment Method						

E) Documentation:

Please list titles of all site reports below. Include name of consulting firm and year completed. (If there is not enough room for the entire list, please attach additional page(s) as necessary.)

Title:	By:	Date
Summary of Assessment Activities	Pacific Environmental Group	February 12, 1998
Summary of Additional Assessment Activities	Noll Environmental, Inc.	November 16, 1998
Summary of Additional Site Assessment Activities	Noll Environmental, Inc.	March 20, 2000
Report of Remedial Action, Storage tank Removal	GeoEngineers, Inc.	November 1989

Is additional information concerning the contaminants treated or removed, or cleanup or remediation methods used available in a data base? yes ☐ no ☒ If yes, what programming software is use?

Is a copy included for our use? yes ☐ no ☒

F) Property Type: Commercial ☐ Industrial ☒ Residential ☐ Other ☐ (Please specify)

Property currently being used? yes ☒ no ☐

Plans for change in use? yes ☐ no ☒ If yes, please specify:

G) Standard Industrial Classification (SIC) Codes:

List all that apply. If none apply, or if you don't know your SIC code, list activities conducted at the site (i.e. automotive repair and maintenance, construction equipment storage, etc.).

Bulk Petroleum Storage

H) Dangerous Waste Facilities:

Does the facility have a dangerous waste identification number? yes ☐ no ☒

If yes, what is the number? WAD

I) Tank Information:

Complete this table for ALL tanks, whether underground (UST) or aboveground (AST), including unregulated tanks.

(*Unleaded, leaded diesel, bunker-C, waste oil, heating oil, aviation fuel, other (identify))

(** Tank status: Left in Place, Removed, Closed in Place)

Tank ID	AST/UST	Size	Was Free Product encountered?		In Excavation	**Tank Status
			*Product	On GW		
1	AST	10,000	Unknown	No	N/A	Unknown
2	AST	20,000	Unknown	No	N/A	Unknown
3	AST	20,000	Unknown	No	N/A	Unknown
4	AST	20,000	Unknown	No	N/A	Unknown
5	AST	20,000	Unknown	No	N/A	Unknown
6	UST	500	Unknown	No	N/A	Left in Place

J) Owner/Operator History

(Please photocopy and attach copies if additional owners and/or operators are known.)

Type (code) of Owner/Operator (for below):Private (1) Municipal (2) County (3) Federal (4) State (5) Tribal (6) Mixed (7) Other (8) Unknown (9)
Public Entitle Acquisition via Bankruptcy (11)

1) Current Site Owner: Tosco Refining Company	Type: 1
Street Address: 5528 NW Doane Avenue	
City: Portland	State: OR ZIP: 97210
Contact Persons (if different than owner, above): Mr. Marty Cramer	
Street Address: 5528 NW Doane Avenue	
City: Portland	State: OR ZIP: 97210
Telephone Number: (503) 248-1517	Extension:
Fax Number: (503) 248-1592	e-mail address: mcramer@tosco.cm
Dates of Ownership: April 1997 to Present	

2) Current Facility Operator: Bosman Petroleum, Inc.	Type: 1
Street Address: 1922 Front Street	
City: Lynden	State: WA ZIP: 98264
Contact Persons (if different than owner, above): Mr. John Bosman	
Street Address: 1922 Front Street	
City: Lynden	State: WA ZIP: 98264
Telephone Number: (360) 354-2169	Extension:
Fax Number: (360) 354-4768	e-mail address:
Dates of Operation: 1997 to Present	

3) Former Site Owner: Unocal Corporation	Type: 1
Street Address: 11720 Unoco Road	
City: Edmonds	State: WA ZIP: 98020
Contact Persons (if different than owner, above): Mr. Gary Gunderson	
Street Address: 11720 Unoco Road	
City: Edmonds	State: WA ZIP: 98020
Telephone Number: (425) 640-7612	Extension:
Fax Number: (425) 640-7601	e-mail address:
Dates of Ownership: 1920's or 1930's to March 1997	

4) Former Facility Operator: Unocal Corporation	Type: 1
Street Address: 11720 Unoco Road	
City: Edmonds	State: WA ZIP: 98020
Contact Persons (if different than owner, above): Gary Gunderson	
Street Address: 11720 Unoco Road	
City: Edmonds	State: WA ZIP: 98020
Telephone Number: (425) 640-7612	Extension:
Fax Number: (425) 640-7601	e-mail address:
Dates of Operation: 1920's or 1930's to March 1997	

K) Other Involved Parties:

(Please photocopy and attach copies if additional parties are involved)

1) Environmental Consultant: Mike Noll		
Representing: Tosco Refining Company		
Firm: Noll Environmental, Inc.		
Street Address: 11921 – 185 th Avenue SE		
City: Snohomish	State: WA	ZIP: 98290-8668
Telephone Number: (360) 794-9523	Extension:	
Fax Number: (360) 794-6578	e-mail address: nollenv@premier1.net	

2) Site Control Person if other than Owner/Operator. (This must be a person who is on-site during normal working hours and is authorized and qualified to answer questions about the site, or a person who is available during normal business hours and has knowledge about the site and the remediations.		
Name:		
Relation to site/owner/operator:		
Firm:		
Street Address:		
City:	State:	ZIP:
Telephone Number:	Extension:	
Fax Number:	e-mail address:	
Dates of involvement with site:	to:	

3) Name:		
Relation to site/owner/operator:		
Firm:		
Street Address:		
City:	State:	ZIP:
Telephone Number:	Extension:	
Fax Number:	e-mail address:	
Dates of involvement with site:	to:	

4) Name:		
Relation to site/owner/operator:		
Firm:		
Street Address:		
City:	State:	ZIP:
Telephone Number:	Extension:	
Fax Number:	e-mail address:	
Dates of involvement with site:	to:	