

June 24, 1997

Mr. Dennis Quilici Tosco Refinery Rodeo, California

FILE#	5325	 SS _	/	 _ BP	
RPT	QM	TRA	NSMI	TTAL _	
	2 3				

Subject:

Disposal of Purge Water From the UST Cavity

Unocal Service Station No. 5325

3220 Lakeshore Avenue Oakland, California

**RECEIVED** 

11:24 am, Apr 06, 2009

Alameda County
Environmental Health

Mr. Quilici:

As you requested GeoStrategies has prepared this letter to request acceptance for disposal and to inform the refinery of the source and quality of the purged water. During the installation of a UST cavity backfill well on June 23, 1997, a water line was breached (Figure 2). The water from the piping has filled the UST cavity and caused the station's alarm system to be activated. In order to repair the breached water line water from the UST cavity must be removed. It is anticipated that one to two loads (approximately 8,000-gallons) will be removed and transported to the Tosco Refinery today.

Historical groundwater analytical data indicate that the purge water will be classified as non-hazardous. Historical analytical data is attached. Based on site observations for the water to be removed, no floating product, film or sheen is present. The water to be removed and transported is primarily from a breached water line that services the auto water / air dispenser. Routine quarterly groundwater sampling is being performed and the purge water has been transported to the refinery for disposal by MPDS Services. MPDS has indicated that they do not have a profile number or any special acceptance number for the disposal of the purge water generated during groundwater sampling operations. The site should be on record and all analytical results on file for the disposal of purge water. GeoStrategies is requesting that the purged water generated from the breached water line and transported by RUST Industrial Cleaning Services of Benicia, California, is accepted.

Please call me at (415) 893-1515, if you have any questions. Thank you for your immediate attention to this matter.

Sincerely,

Project Manager

cc: Tina Berry, Tosco Marketing Company

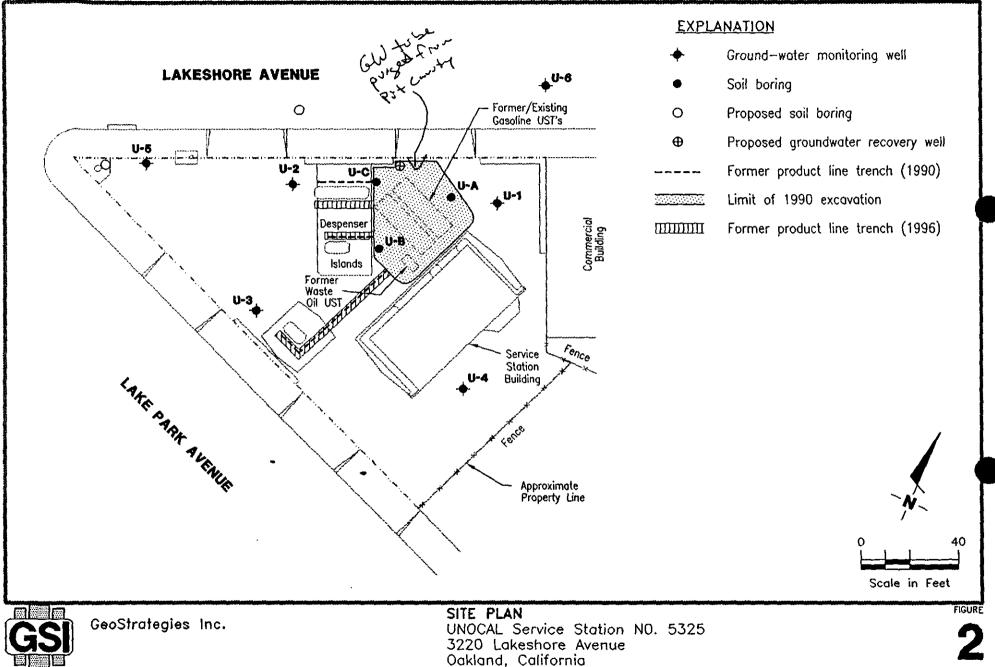
## Form R-149: Acceptance Authorization for Remediation Wastewater to Tosco's San Francisco Area Refinery at Rodeo

## WASTEWATER TREATMENT PLANT (UNIT 100) OPERATORS:

This form, if approved below, serves as an acceptance document to process the wastewater at the the San Francisco Area Refinery at Rodeo Wastewater Treatment Plant, Unit 100.

Requester's Name:	David J. Vossler for Time Berry
Company:	GeoStrategies for Torro Marketing Co.
Address:	6747 Sperra Ct, Svile 3
Telephone:	(415) 893-1515
FAX:	415) 893-1517
Station No. and Location:	Unocal SS# 5325, 3220 Lekeshore Are, Oakland, CA. Breached valurione - Waster pumped from UST CAVETY
Description of Water Source:	Breached waterline - Water pumped from UST CAUETY
Estimated Volume:	upto 8,000 gallons.
	ribed above has been review for Federal and California Hazardous Wastes approved / not approved for processing at the Wastewater Treatment
EAD Personnel:	Approval date:
UNIT 100 OPERATORS: Pleas Quality Specialist in Room 110.	se fill out the portion below and forward this completed form to the Water Thank you.
Date and time of delivery:	
Volume delivered:	gallons
Truck drivers must provide a copy of COMMENTS:	f this R-149 form upon delivery of remediation wastewater to Unit 100.

Any question? Call (510) 245-4403 or FAX (510) 245-4476.



JOB NUMBER 4814.21

REVIEWED BY

DATE May, 1997

REVISED DATE

Table 2
Summary of Laboratory Analyses
Water

*******************************							
337.33.4	Park	TPH as Gasoline	Benzene	Toluene	Ethyl- Benzene	Voleneo	MTDE
Well #	Date	Clascinic	<u> </u>	TOTOCIE	DEMZERC	Xylenes	MTRE
U-1	12/9/96	NOT SAMPLE	ED DUE TO T	HE PRESENC	e of free pr	ODUCT ) His	torically a sheen
<b>0</b> 2	9/26/96				e of free pr	ODUCT 3	a 5*-
	6/27/96	120,000	540	4,300	2,600	26,000	ND
	3/18/96	27,000	ND	2,300	1,400	11,000	4,900
	12/19/96			•	E OF FREE PR	_ /	
	9/19/95				e of free pr	, ,	
	6/21/95	NOT SAMPLE	ED DUE TO T	HE PRESENC	e of free pr	ODUCT )	
	3/25/95				E OF FREE PR	,	
	12/24/94	50,000	2,500	9,700	2,400	17,000	
	9/22/94	6,100♦	ND	ND	ND	ND	
	6/22/94	200	ND	ND	5.9	21	
	2/16/94	6,800♦♦	ND	ND	ND	ND	
	11/16/93	690◆	ND	ND	ND	ND	
	8/8/93	4,900**	79	ND	832	270	
	5/7/93	8,700	600	240	650	3,300	~-
	2/22/93	34,000	1,400	5,500	910	7,300	
	8/20/92	400*	1.0	ND	ND	0.6	
	6/11/92	1,000	80	1.4	6.7	41	
	5/5/92	230	1.2	ND	ND	ND	
	2/12/92	250	ND	ND	ND	ND	
	10/9/91	ND	ND	ND	ND	ND	
	7/3/91	140	21	4.3	0.36	17	
	4/1/91	160	13	8.6	1.0	15	
	1/7/91	250	22	16	4.2	17	
	8/10/90	690	38	75	8.6	130	<b></b>
U-2	12/9/96	13,000	5,100	290	980	370	2,700
<b>.</b> .	9/26/96	5,900	750	ND	ND	ND	18,000
	6/27/96	28,000	3,400	ND	2,800	3,100	3,000
	3/18/96	12,000	2,200	ND	1,200	2,200	22,000
	12/19/95	1,600	140	55	52	270	††
	9/19/95	3,000	610	ND	78	240	†
	6/21/95	16,000	2,100	ND	1,800	1,700	
	3/25/95	170,000	1,900	21,000	4,800	33,000	
	12/24/94	32,000	1,500	890	1,300	5,000	
	9/22/94	8,500♦	29	ND	ND	ИD	
	6/22/94	31,000	2,200	62	1,500	3,500	
	2/16/94	980♦◆	49	13	2.7	40	
	11/16/93	510♦	ND	ND	ND	ND	
	8/8/93	5,600**	420	ND	410	670	
	5/7/93	17,000	1,800	660	1,700	4,000	•-
	2/22/93	3,400	2,400	2,100	1,200	5,800	~-
	8/20/92	700	28	6.5	1.3	4.6	
	6/11/92	620	17	2.1	ND	37	
	5/5/92	1,600	120	52	6.2	290	

Table 2
Summary of Laboratory Analyses
Water

Water							
		TPH as			Ethyl-		
Well#	Date	Gasoline	Benzene	Toluene	Benzene	Xylenes	MTBE
U-2 (Cont)	2/12/92	410	1.9	ND	0.36	0.4	*-
0-2 (Com)	10/9/91	230	7.1	ND	ND	11	~-
	7/3/91	2,100	150	25	3.1	290	
	4/1/91	1,700	250	89	34	190	
	1/7/91	1,900	67	5.8	58	69	
	8/10/90	7 <b>8</b> 0	27	46	15	130	
U-3	12/9/96	ND	ND	ND	ND	ND	29
	9/26/96	ND	ND	ND	ND	ND	ND
	6/27/96	440	49	50	51	140	50
	3/18/96	ND	ND	ND	ND	ND	•-
	12/19/95	ND	ND	ND	ND	ND	
	9/19/95	ND	ND	ND	ND	ND	†
	6/21/95	ND	ND	ND	ND	ND	
	3/25/95	ND	ND	ND	ND	ND	
	12/24/94	ND	ND	ND	ND	ND	
	9/22/94	ND	ND	ND	ND	ND	
	6/22/94	ND	ND	ND	ND	ND	
	2/16/94	ND	ND	ND	ND	ND	
	11/16/93	ND	ND	ND	ND	ND	
	8/8/93	210	5.0	9.7	0.7	4.1	
	5/7/93	ND	ND	ND	ND	ND	
	2/22/93	ND	ND	ND	ND	ND	
	8/20/92	ND	ND	ND	ND	ND	
	6/11/92	ND	ND	ND	ND	ND	
	5/5/92	ND	ND	ND	ND	ND	
	2/12/92	ND	ND	ND	ND	ND	
	10/9/91	ND	ND	ND	ND	ND	
	7/3/91	ND	ND	ND	ND	ND	
	4/1/91	ND	1.0	2.9	0.53	5.4	
	1/7/91	ND	ND	ND	ND	1.8	
	8/10/90	ND	ND	ND	ND	ND	
U-4	12/9/96	ND	ND	ND	ND	ND	33
0-4	9/26/96	ND	ND	ND	ND	ND	ND
	6/27/96	ND	ND	ND	ND	ND	ND
	3/18/96	ND	ND	ND	ИD	ND	
	12/19/95	ND	ND	ND	ND	ND	
	9/19/95	ND	ND	ND	ND	ND	
	6/21/95	ND	ND	ND	ND	ND	
	3/25/95	ND	ND	ND	ND	ND	<del></del>
	12/24/94	ND	ND	ND	ND	ND	
	9/22/94	ND	0.78	1.3	ND	1.4	- <del>-</del>
	6/22/94	ND	ND	ND	ND	ND	
	U. 221 7 1		- 1		- <del>-</del>		

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Table 2
Summary of Laboratory Analyses
Water

		TPH as			Ethyl-		
Well#	Date	Gasoline	Benzene	Toluene	Benzene	Xylenes	MTBE
U-5	12/9/96	1,300	29	46	ND	140	97
	9/26/96	ND	ND	0.57	ND	0.96	ND
	6/27/96	16,000	280	150	1,400	4,600	530
	3/18/96	100	0.67	0.5	0.51	5.4	
	12/19/95	ND	ND	ND	ND	ND	
	9/19/95	850 <b>°</b>	14	7.1	13	66	†
	6/21/95	400	2.3	ND	9.1	3.5	~-
	3/25/95	44,000	390	960	1,500	7,600	
	12/24/94	8,700	560	70	670	430	
	9/22/94	170	8.4	10	8.5	18	
	6/22/94	210	7.1	13	4.5	26	
U-6	12/9/96	1,200	29	48	6.4	140	58
	9/26/96	ИD	ND	ND	ND	ND	1,400
	6/27/96	ND	ND	ND	ND	ND	510
	3/18/96	ND	ND	ND	ND	ND	
	12/19/95	210	2,5	1.0	2.9	17	
	9/19/95	ND	ND	ND	ND	ND	†
	6/21/95	ND	ND	ND	ND	ND	
	3/25/95	47,000	450	1,300	1,700	8,200	
	12/24/94	6,900	500	59	600	380	
	9/22/94	130	1.3	0.8	ND	0.73	
	6/22/94	ND	ND	ND	ND	ND	

- Sequoia Analytical Laboratory reported that the hydrocarbons detected did not appear to be gasoline.
- • Sequoia Analytical Laboratory reported that the hydrocarbons detected appeared to be a gasoline and non-gasoline mixture.
- \* The positive result for gasoline does not appear to have a typical gasoline pattern.
- \*\* The concentration reported as gasoline is primarily due to the presence of a combination of gasoline and a discrete peak not indicative of gasoline.
- † Sequoia Analytical Laboratory has potentially identified the presence of MTBE at reportable levels in the groundwater sample collected from this well.
- 55 Sequoia Analytical Laboratory has identified the presence of MTBE at a level above or equal to the taste and odor threshold of 40 µg/L in the sample collected from this well.

## Table 2 Summary of Laboratory Analyses Water

MTBE = methyl tert butyl ether.

ND = Non-detectable.

-- Indicates analyses was not performed.

Results are in micrograms per liter (µg/L), unless otherwise indicated.

Note:

The detection limit for results reported as ND by Sequoia Analytical Laboratory is equal to the stated detection limit times the dilution factor indicated on the laboratory analytical sheets.

Prior to August 1, 1995, the total purgeable petroleum hydrocarbon (TPH as gasoline) quantification range used by Sequoia Analytical Laboratory was C4 - C12. Since August 1, 1995, the quantification range used by Sequoia Analytical Laboratory is C6 - C12.

Laboratory analyses data prior to November 16, 1993, were provided by GeoStrategies, Inc.