

USPCI

A Subsidiary of
Union Pacific Corporation

Remedial Services

STID 2044

August 3, 1990

Dennis Byrne
Alameda County
Hazardous Materials Division
80 Swan Way, Room 200
Oakland, CA 94621

Dear Dennis:

This letter reports the removal and clean closure of two, underground storage tanks, from property owned by Union Pacific Railroad in the Port of Oakland at 1750 Ferro Street, Oakland, CA by USPCI, Inc. The removal action was completed and soil and water samples obtained on February 23, 1990. The removal and sampling was observed by Mr. Dennis Byrne of the Alameda County Hazardous Materials Division.

The tanks removed were 10,000 gallon diesel and 6000 gallon unleaded gasoline fiberglass tanks. Prior to removal the atmospheres of both tanks were tested with a Combustible Gas Indicator (CGI). If the tanks tested above 20% of the lower explosive limit, the atmosphere in the tank was purged with carbon dioxide by adding one pound of crushed dry ice for every 100 gallons of tank capacity. When the dry ice had completely sublimed, the tank was retested with the CGI and, if the 20% LEL level was achieved, the tank was removed. The tanks were crushed and loaded into roll-off gondolas for transport under hazardous waste manifest to USPCI's Grassy Mountain, UT hazardous waste disposal facility.

Prior to backfilling the excavation, four soil samples and one water sample were obtained from the excavation. The samples were preserved on ice for shipment to National Analytical Laboratories in Tulsa, OK for analysis. The samples were analyzed for total petroleum hydrocarbons (TPH) and benzene, toluene, ethylbenzene, and xylenes (BTEX). The results of the analyses are presented in the attached table and the laboratory reports are also included.

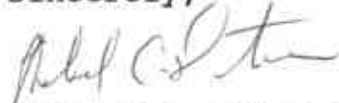
where is it?

STID ~~1750~~
2044

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Two of the soil samples (UP-OAK-004 and UP-OAK-005) were found to contain trace levels of BTEX and TPH. The water sample (UP-OAK-001) also contained trace levels of BTEX. Given that the TPH levels in the soils are below 10 mg/Kg and the potential for utilization of shallow ground water in the highly industrialized Port area is very low, the levels of contaminants encountered during this action should not require further investigation or remediation.

Sincerely,



Richard C. Ditmars
Geophysicist
Environmental Assessments

cc: Michele Heffes, Port of Oakland
Harry Patterson, UPRR
Alan Jensen, UPRR

ANALYTICAL RESULTS
UNDERGROUND STORAGE TANK REMOVAL
1750 FERRO STREET
OAKLAND, CA
RESULTS REPORTED IN mg/KG

SAMPLE	MATRIX	TPH	BENZENE	E-BENZ	TOLUENE	XYLENES
UP-OAK-001	WATER	<0.05	<0.002	<0.002	0.023	0.026
UP-OAK-002	SOIL	<0.05	<0.002	<0.002	<0.002	<0.002
UP-OAK-003	SOIL	<0.05	<0.002	<0.002	<0.002	<0.002
UP-OAK-004	SOIL	0.82	<0.002	<0.002	0.005	0.026
UP-OAK-005	SOIL	2.19	0.004	0.007	0.003	0.012

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JOE NICHOLSON
USPCI - REMEDIAL SERVICES
731-N NORTH MARKET

SACRAMENTO CA 95834

REPORT NUMBER: 9193A05

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SAMPLE IDENTIFICATION: 9293-09
CUSTOMER IDENTIFICATION: UP-OAK-001
DATE SAMPLED: 2/22/90
TYPE OF MATERIAL: LIQUID

DATE RECEIVED: 2/26/90
DATE COMPLETED: 2/27/90

<u>PARAMETER</u>	<u>REF. METHOD</u>	<u>DEF. LIMIT</u>	<u>RESULT</u>
BENZENE	EPA 8020	0.002 MG/KG	0.053 MG/KG
ETHYLBENZENE	EPA 8020	0.002 MG/KG	BDL MG/KG
TOLUENE	EPA 8020	0.002 MG/KG	0.023 MG/KG
XYLENES	EPA 8020	0.002 MG/KG	0.036 MG/KG
TOTAL PETROLEUM HYDROCARBONS	-	-	-
DISTILLATE	MCD 8015	0.05 MG/KG	BDL MG/KG
DIESEL	MCD 8015	0.05 MG/KG	BDL MG/KG

BDL = BELOW DETECTION LIMIT

NATIONAL ANALYTICAL LABORATORIES

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JOE NICHOLSON
USPCI - REMEDIAL SERVICES
781-M NORTH MARKET

SACRAMENTO CA 95834

REPORT NUMBER: 828368

SAMPLE IDENTIFICATION: 2298-01
CUSTOMER IDENTIFICATION: UF-CAK-002
DATE SAMPLED: 2/20/88
TYPE OF MATERIAL: SOIL

DATE RECEIVED: 2/26/88
DATE COMPLETED: 2/27/88

<u>PARAMETER</u>	<u>REF. METHOD</u>	<u>REF. LIMIT</u>	<u>RESULT</u>
BENZENE	EPA 8020	0.002 MG/KG	BDL MG/KG
ETHYLBENZENE	EPA 8020	0.002 MG/KG	BDL MG/KG
TOLUENE	EPA 8020	0.002 MG/KG	BDL MG/KG
XYLENES	EPA 8020	0.002 MG/KG	BDL MG/KG
TOTAL PETROLEUM HYDROCARBONS	-	-	-
GASOLINE	MOD 8015	0.05 MG/KG	BDL MG/KG
DIESEL	MOD 8015	0.05 MG/KG	BDL MG/KG

BDL = BELOW DETECTION LIMIT

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781-N NORTH MARKET

SACRAMENTO CA 95834

REPORT NUMBER: 8199A02

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SAMPLE IDENTIFICATION: 8286-02
CUSTOMER IDENTIFICATION: UP-CAK-003
DATE SAMPLED: 2/22/90
TYPE OF MATERIAL: SOIL

DATE RECEIVED: 2/26/90
DATE COMPLETED: 2/27/90

<u>PARAMETER</u>	<u>REF. METHOD</u>	<u>DET. LIMIT</u>	<u>RESULT</u>
BENZENE	EPA 8010	0.002 MG/KG	BEL
ETHYLBENZENE	EPA 8010	0.002 MG/KG	BEL
TOLUENE	EPA 8010	0.002 MG/KG	BEL
XYLENE	EPA 8020	0.002 MG/KG	BEL
TOTAL PETROLEUM HYDROCARBONS	-	-	-
GASOLINE	MOE 8015	0.05 MG/KG	BEL
DIESEL	MOE 8015	0.05 MG/KG	BEL

BEL = BELOW DETECTION LIMIT

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JOE NICHOLSON
USPOI - REMEDIAL SERVICES
731-N NORTE MARKET

SACRAMENTO CA 95814

REPORT NUMBER: 8893A05

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SAMPLE IDENTIFICATION: 8293-03
CUSTOMER IDENTIFICATION: UF-GAK-004
DATE SAMPLED: 2/25/90
TYPE OF MATERIAL: SOIL

DATE RECEIVED: 2/25/90
DATE COMPLETED: 2/27/90

PARAMETER	REF. METHOD	DEF. LIMIT	RESULT
BENZENE	EPA 8010	0.011 MG/KG	BDL MG/KG
ETHYLBENZENE	EPA 8020	0.002 MG/KG	BDL MG/KG
TOLUENE	EPA 8020	0.002 MG/KG	0.005 MG/KG
XYLENES	EPA 8020	0.002 MG/KG	0.005 MG/KG
TOTAL PETROLEUM HYDROCARBONS	-	-	-
GASOLINE	MSL 8018	0.02 MG/KG	0.01 MG/KG
DIESEL	MSL 8035	0.02 MG/KG	BDL MG/KG

BDL = BELOW REPORTING LIMIT



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3/2/90

JOE NICHOLSON
USFBI - REMEDIAL SERVICES
721-M NORTH MARKET

SACRAMENTO CA 95834

REPORT NUMBER: 8293A03

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SAMPLE IDENTIFICATION: 8293-04
CUSTOMER IDENTIFICATION: NP-DAR-001
DATE SAMPLED: 2/22/90
TYPE OF MATERIAL: SOIL

DATE RECEIVED: 2/25/90
DATE COMPLETED: 2/27/90

PARAMETER	REF. METHOD	REF. LIMIT	RESULT
BENZENE	EPA 8020	0.502 MG/KG	0.004 MG/KG
ETHYLBENZENE	EPA 8020	0.502 MG/KG	0.007 MG/KG
TOLUENE	EPA 8020	0.502 MG/KG	0.003 MG/KG
XYLENES	EPA 8020	0.022 MG/KG	0.012 MG/KG
TOTAL PETROLEUM HYDROCARBONS	-	-	-
GASOLINE	MDE 8018	0.05 MG/KG	BDL MG/KG
DIESEL	MDE 8018	0.05 MG/KG	BDL MG/KG
16-200 HYDROCARBONS	MDE 8018	0.05 MG/KG	2.12 MG/KG

BDL = BELOW DETECTION LIMIT

