

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
80 Swan Way, Rm 200
Oakland, CA 94621
(510) 271-4530

April 6, 1994
STID 4039

~~4220~~ + 4220

REMEDIAL ACTION COMPLETION CERTIFICATION

Mr. Charles Chamness
P.O. Box 92007-WWPC
Los Angeles, CA 90009

SUBJECT: **Case Closure**
FAA Oakland Airport, ASR # 9 and Tracon Facility
Oakland Airport and 1029 Grumman St.
Oakland CA 94621

Dear Mr. Chamness:

This letter confirms the completion of site investigation and remedial action for the two former underground storage tanks (Both 1000 gallon diesel) one at each of the above sites. With the provision that the information provided to this agency was accurate and representative of existing conditions, this office has determined that no further action is required at this time.

Based on the information submitted and current requirements, the RWQCB has also accepted the determination of this agency that no further action is required at this time. Further work could be required if conditions change or a water quality threat is discovered at the site.

If you have any questions regarding this letter, please give Barney Chan a call at (510) 271-4530.

Very truly yours,

Rafat A. Shahid
Assistant Agency Director

cc: Edgar B. Howell, Chief, Hazardous Materials Division/files
Rich Hiett, RWQCB
Mike Harper, SWRCB
J. Waldman, Advanced Sciences Inc., 4909 Murphy Canyon Rd.,
Suite 400, San Diego, CA 92123
N. Werner, Port of Oakland, 530 Water St., Oakland 94607

Leaking Underground Fuel Storage Tank Program

III RELEASE AND SITE CHARACTERIZATION INFORMATION (Continued)

Are drinking water wells affected? NO Aquifer name: Merritt Sand

Is surface water affected? NO Nearest affected SW name: N/A

Off-site beneficial use impacts (addresses/locations):

Report(s) on file? YES Where is report(s) filed? Alameda County
80 Swan Wy., Rm 200
Oakland CA 94621

Treatment and Disposal of Affected Material:

<u>Material</u>	<u>Amount (include units)</u>	<u>Action (Treatment of Disposal w/destination)</u>	<u>Date</u>
Tank 1	1-1000 gallon	Disposed to H&H Ship Service Recycled by Snitzer Steel	5/2/91
Tank 2	1-1000 gallon	Taken to H & H Ship Service Recycled by Snitzer Steel	5/2/91
Soil	108 cy	Taken to Reed and Graham for recycling.	12/22/92, 5/13/93.

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

<u>Contaminant</u>	<u>Soil (ppm)</u>		<u>Water (ppm)</u>	
	<u>Before</u>	<u>After</u>	<u>Before</u>	<u>After</u>
Tank 1-ASR9				
TPH (Diesel)	24,000	ND	NT	ND
Benzene	ND	ND		ND
Toluene	ND	ND		ND
Xylene	0.96	ND		ND
Ethylbenzene	1.06	ND		ND

NT = none taken

Tank 2- Tracon Facility

TPH (Diesel)	375	ND	36.6	ND
Benzene	ND	ND	ND	ND
Toluene	ND	ND	ND	ND
Xylene	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND
Oil & Grease				
Heavy metals				
Other				

Leaking Underground Fuel Storage Tank Program

Comments (Depth of Remediation, etc.): See site summary

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? YES

Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? YES

Does corrective action protect public health for current land use? YES

Site management requirements: None

Should corrective action be reviewed if land use changes? NO

Monitoring wells Decommissioned: NO

Number Decommissioned: 0 Number Retained: 3 at each site, one monitoring well was destroyed at Tracon Facility due to overexcavation.

List enforcement actions taken: None

List enforcement actions rescinded: None

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Barney Chan

Title: Hazardous Materials Specialist

Signature: *Barney Chan*

Date: 3/3/94

Reviewed by

Name: E. Chu

Title: Hazardous Materials Specialist

Signature: *E. Chu*

Date: 3/2/94

Name: T. Peacock

Title: Sup. Haz. Mat. Specialist

Signature: *T. Peacock*

Date: 3-3-94

VI. RWQCB NOTIFICATION

Date Submitted to RB: March 4, 1994

RB Response:

RWQCB Staff Name: R. Hiett Title: San. Engineering Assoc. Date:

VII. ADDITIONAL COMMENTS, DATA, ETC.

This site is actually two separate FAA sites, the Tracon Facility and the ASR 9 Facility, each of which removed 1-1000 gallon diesel tank, the same day and under the same closure permit. This is why two sites have the same StID # 4039 but two separate locations. Luckily, it appears that both sites have been adequately investigated and can be recommended for closure. The site summaries for both sites follows.

STID 4220

Site Summary for ~~Tracon Facility~~, 1029 Grumman St., Oakland CA 94621 StID # 4039

5/2/91 One 1000 gallon diesel tank used to fuel an emergency generator removed from site. Groundwater encountered in pit. A grab groundwater and two sidewall soil samples taken. Results were 36.6 mg/l TPHd and ND for BTEX for the water sample and ND for TPHd and BTEX for the sidewall samples. The stockpile sample detected 375 ppm TPHd and ND BTEX. Spoils were returned to the pit due to the potential of jeopardizing the foundation of the building.

3/4/92 Monitoring wells AW-1 through AW-3 installed, with AW-2 being installed within the former tank pit. Soil from these borings were ND for TPHd and BTEX except the boring from AW-2 which detected 580 ppm TPHd which indicates potential contamination within the pit.

3/26/92 and 8/6/92 Two monitoring events occurred at this site, results were ND for TPHd and BTEX. TDS on these wells ranged from 8000 to 27,000 ppm.

8/14/92 Monitoring well AW-2 was abandoned and AW-4 was installed to replace AW-2.

11/18/92 The adjacent parcel ditch next to the UST site was investigated due to obvious staining observed. Five surface soil samples were taken every 15' interval. Concentrations ranging from 300-4000 ppm TRPH were found. The ditch was overexcavated 2' in depth and resampled every 15 linear feet. Eight confirmation soil samples were taken and run for TPHd and TRPH (418.1) and found to be ND for TPHd with only low levels of TRPH detected. Due to shallow depth of this contamination, suspected of coming from an illegal dumping of waste oil, no monitoring well for this area was recommended.

The tank pit was re-excavated and five confirmatory soil samples taken within the pit. The results of these samplings ranged from 11-31 TPHd and ND for BTEX. AW-2 was decommissioned at this time.

Site Summaries ASR 9 and Tracon Facility
Page 2.

All stockpiled soils generated from the tank and ditch overexcavation, approximately 108 cy, was taken to Reed and Graham for recycling.

Three additional quarterly monitoring events were performed at this site. The results were from ND to 1.8 ppb TPHd and very low levels of BTEX. Two of the three wells were ND for BTEX while the third was very low. AW-4 is the downgradient well. Monitoring results attached.

Site Summary, StID # 4039

~~FAA- ASR # 9 site~~

STID 4039

May 1991- One 1000 gallon diesel tank used to supply fuel to an emergency generator at the ASR site was removed. Soil samples from the excavation detected 15 and 24,000 ppm TPHd, ND benzene, ND toluene, 1.06 ppm ethylbenzene and 0.961ppm xylene. Spoils were backfilled into pit with as high as 144 ppm TPHd and ND BTEX. The 24,000 ppm diesel sample was thought to be a hot spot and not representative of the actual site conditions.

October 2, 1991- Four borings advanced at this site, 3 within and 1 to the east of the former tank to depths of 4.5-6 feet. TPHd and BTEX were ND on all samples except sample SB-1B which detected 7 ppb Toluene. This indicates that the soil within the pit and the near proximity is not likely contaminated.

March 5, 1992- Three borings (AB-1- AB-3) were drilled and completed into monitoring wells (AW-1 - AW-3). Wells were properly screened from 5-15'. AW-2 was completed within the former tank pit.

4/23/92 - Groundwater samples collected from the three wells and the adjacent slough, the most likely surface water potentially affected by a release from this site. All water samples were ND for TPHd and BTEX. TDS values for these samples were 2620, 1500, 430 and 700 mg/l. Gradient is easterly due the presence of the slough approximately 20 feet away. AW-3 is in the downgradient direction.

6/30/93- In lieu of excavating the soils from the tank pit, two test pits were excavated on the north and south sides of the pit. Within one test pit, a large utility pipe was encountered, while within the other test pit, a soil sample was taken at 7' (the assumed depth of the bottom of the tank). The stockpiled soil was also sampled. Both soil samples were ND for TPHd and BTEX and the stockpiles soil was returned to the pit.

Site Summary for ASR9 and Tracon Facility
Page 3.

Four quarterly monitoring events occurred on 4/92, 1/19/93, 4/93
and 7/14/93. All results were ND for TPHd and BTEX.

ssumTr9

Table 1
 Quarterly groundwater sample analytical results^a

Tracem Facility

Monitoring Well Sample	Data Collected	Total Petroleum Hydrocarbons	Benzene	Ethylbenzene	Toluene	Total Xylenes	Total Dissolved Solids
AW-1	3/26/92	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	26,800 ^b
	8/6/92	< 0.05	< 0.25	< 0.25	< 0.25	< 0.50	—
	1/19/93	< 0.5	< 0.3	< 0.3	< 0.3	< 0.6	—
	4/28/93	1.8	< 0.3	< 0.3	< 0.3	< 0.6	—
	7/15/93	< 0.5	< 0.3	< 0.3	< 0.3	< 0.6	—
AW-2 ^c	3/26/92	< 1.0	< 1.0	3.6	5.5	5.0	8,440 ^b
	8/6/92	< 0.05	< 0.25	< 0.25	< 0.25	< 0.50	—
	1/19/93 ^c	—	—	—	—	—	—
	4/28/93	—	—	—	—	—	—
	7/15/93	—	—	—	—	—	—
AW-3	3/26/92	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	8,650 ^b
	8/6/92	< 0.05	< 0.25	< 0.25	< 0.25	< 0.50	—
	1/19/93	< 0.5	< 0.3	< 0.3	< 0.3	< 0.6	—
	4/28/93	< 0.5	< 0.3	< 0.3	< 0.3	< 0.6	—
	7/15/93	< 0.5	< 0.3	< 0.3	< 0.3	< 0.6	—
AW-4 ^d	3/26/92 ^d	—	—	—	—	—	—
	8/6/92 ^d	—	—	—	—	—	—
	1/19/93	< 0.5	1.2	3.4	1.2	4.0	—
	4/28/93	1.4	0.4	< 0.3	< 0.3	1.8	—
	7/15/93	< 0.5	< 0.3	< 0.3	< 0.3	< 0.6	—

^a Results in micrograms per liter unless noted otherwise. (ppb)

^b Results in milligrams per liter unless noted otherwise.

^c Well AW-2 was abandoned in August 1992 prior to excavation and remediation activities.

^d Well AW-4 was installed in August 1992 as a replacement for AW-2 prior to excavation and remediation activities.