



United States Department of the Interior

BUREAU OF RECLAMATION

Mid-Pacific Region
Tracy Office (CVP)
Route 1 Box 35

Byron, California 94514-9614



IN REPLY
REFER TO:

DAO-435
ENV-5.00

SEP 22 1994

ALCO
HAZMAT
9/14 SEP 27 11:11:28

Ms. Eva Chu
Hazardous Material Specialist
Alameda County Health Agency
1131 Harbor Bay Parkway
Alameda, California 94502

Subject: Underground Storage Tank Removal -- Delta Area Office -- Gasoline
and Waste Oil Tanks -- Delta Division -- Central Valley Project
(CVP) CA

This is in regard to your site visit at the Delta Area Office on August 24,
1994. A summary is as follows:


1. After a short period of overexcavation, the ground showed obvious signs of contamination. Spot checks indicated levels as high as 500 ppm from areas of the excavated soil. This contamination, assumed to be gasoline due to its odor, appeared at a depth of approximately ten feet on the north side of the pit adjacent to the diesel tank. It was speculated that this contamination originated from the previous leaded gasoline tank removed approximately ten years ago. That tank was removed due to leakage and no action was taken to remove the contamination.
2. Additional digging led to further speculation that the existing unleaded gasoline tank had also contaminated the soil. This second area of contaminated soil was found on the west side of the pit, adjacent to the tank. It was located at a depth of approximately 12 to 15 feet.
3. Ground water was discovered at a depth of approximately fifteen feet. Both soil samples and water samples were taken to determine levels of contamination. The tests for the samples are TPH (gasoline) and BTEX.
4. It was decided that the excavated soil from the gasoline tank pit would be remediated. Plastic covering was placed on an existing concrete pad and the process of transporting the spoil material was started.
5. Approximately two weeks later, both pits were backfilled with clean soil followed by the placement of concrete. Contamination will be removed when the remaining diesel and gasoline tanks are removed. Removal is anticipated to occur within six months.

6. The contaminated soil, if brought to acceptable levels through the remediation process, may be discarded anywhere on the project.

7. The USBR well, which was installed in June 1994, showed no signs of water contamination. The summarized data is enclosed. The well will be monitored for TPH (gasoline and diesel) and total soluble lead. The well will be monitored for at least one quarter. Due to the pending tank removals, the intervals or cessation of the monitoring will be determined as the stages of the complete removal of all fuel tanks take place.

If there are any questions, please contact Brian Shinmoto of my staff at (209) 836-6261.

Sincerely,


Herbert S.Y. Ng
Acting Area Manager

Enclosure

Monitoring Well MW7 Sampling Results

Soil Samples

Soil Samples: 22 June 1994

Soil samples were collected utilizing a modified California split spoon sampler with brass sleeve inserts. Results from soil samples of the drill core from MW7 are as follows:

MW7001 (4.8' to 5.2')

TPH-Gasoline	<1.0	mg/kg
Benzene	<0.02	mg/kg
Ethylbenzene	<0.02	mg/kg
Toluene	<0.02	mg/kg
Total Xylenes	<0.02	mg/kg

MW7002 (9.5' to 10.0')

TPH-Gasoline	<1.0	mg/kg
Benzene	0.02	mg/kg
Ethylbenzene	<0.02	mg/kg
Toluene	<0.02	mg/kg
Total Xylenes	<0.02	mg/kg

Water Samples

Development: 27 June 1994

Development of monitoring well MW7 was accomplished using a centrifugal pump. Fifty gallons of water was evacuated from MW7. This amount of water was required to clear well of fine grained sediment. Refer to sample collection log for complete development technique.

Sample Collection: 30 June 1994

Well was purged utilizing a peristaltic pump with a flow rate of approximately 1 liter per minute. 17.7 liters, or 4 well volumes, evacuated from well prior to sample collection. Sample collected utilizing a teflon bailer. Teflon bailer was lowered very gently into the well in an effort to minimize agitation. Three VOA containers filled from controlled flow valve on bailer. Refer to sample collection log for complete sample collection technique.

Water Sample MW7003

TPH-Gasoline	<20	ug/L
Benzene	<0.5	ug/L
Ethylbenzene	<0.5	ug/L
Toluene	<0.5	ug/L
Total Xylenes	<0.5	ug/L

Sample analyses performed by State Certified Lab (number 1312) Agriculture and Priority Pollutants Laboratories, Inc. of Fresno, Ca.