

HMMP for new facility on file (10/22/90)

no Unauth. Release Report filed;
KC filled one out last week

MEMORANDUM

February 15, 1991

To: Gil Wistar, ARCO Coordinator
From: Katherine

Re: Summary of Site Remediation Status, ARCO Station #2112, 1260
Park Street, Alameda, 94501

Background and Submittals:

first
discovery
of release

- 5/87 - Waste oil tank removed. Initial soil samples revealed 430 ppm diesel; 2,400 ppm motor oil. Following further excavation, soil contamination reduced to < 10 ppm motor oil.
- 11/20/89 - Leak discovered in one of five tanks on site during tank test.
- 2/20/90 - Limited Environmental Site Assessment report prepared and submitted by Applied GeoSystems. Contamination of up to 21,000ppm TPH discovered.
- 7/26/90 - Five underground storage tanks removed. Contamination of up to 23,000 ppm (2.3%) TPH G was discovered in the soil at a depth of 12 feet (see two soil sample maps, attached). The contractor reported free product on the water surface in the pit. Removal of piping joining the tanks to the pump island to be done later.
- 8/90 - Four new underground storage tanks installed (not in former tank area). Contamination of up to 2 ppm TPH G detected in the new tank excavation perimeter.
- 8/90 - Piping along pump islands removed and sampled. Contamination of up to 5,800 ppm TPH G detected. Soil generally excavated down to <10 ppm TPH G though pockets of 890 ppm and 4,600 ppm remain beneath the canopy foundations.
- 9/90 - Third quarter summary report submitted.
- 10/25/90 - Piping parallel to Encinal and immediately adjacent to planter (NE property area where a pump island was located historically) removed and sampled. Soil sample taken at northern end of pipe trench had odor. Keith Bullock of Gettler-Ryan (ARCO's contractor) reported that no soil was excavated after the soil sample was collected.
- 11/7/90 - GeoStrategies Inc. submitted Tank Replacement Observation Report covering work done before September 30, 1990.
- 1/2/91 - GeoStrategies Inc. submitted a Work Plan proposing the installation of three vapor extraction wells and five ground water monitoring wells.

five MW's
proposed

Page 2 of 2
Summary of Site Remediation Status
ARCO #2112, 1260 Park Street
February 15, 1991

Current Status/Work Being Done:

Per Kyle Christie on 2/14/91, Gettler-Ryan (ARCO's contractor) to contact me and schedule the removal and sampling of the remaining former underground storage tank piping.

Per Kyle Christie on 2/14/91, ARCO plans to remediate the remaining contaminated soil through in-situ soil vapor extraction rather than through soil excavation, treatment and disposal. Kyle said the January 2, 1991 Work Plan was a preliminary work plan. The Work Plan will likely be revised per the additional soil contamination data obtained when the remaining underground storage tank piping is removed. Kyle said he would have Chuck Carmel (of ARCO) contact me about how to handle the January 2, 1991 Work Plan.

Delinquencies:

No manifests have been submitted for the waste oil tank removed 5/87 or for the five underground storage tanks removed 7/90. No manifests or bills of lading have been submitted for any contaminated soil hauled off site.

Remaining piping connecting the former underground storage tanks to the pump islands needs to be excavated and sampled - to be scheduled (see Current Status, above).

Report of work done after September 30 1990 (removal of piping between tanks and pump islands) needs to be submitted.

* [Explanation of what is being done with the remain 610 cubic yards of stockpiled soil needs to be submitted - also did the 350 cubic yards of soil that was aerated and hauled to Redwood Landfill have levels below 100 ppm (see AS-43, AS-44)? Did any soil go back into the ground?

Additional work needs to be done to determine the extent of soil contamination and to determine ground water quality (monitoring wells to be sampled for waste oil, diesel, gasoline and BTEX). Any free product must be removed; contaminated ground water will probably need to be cleaned up.

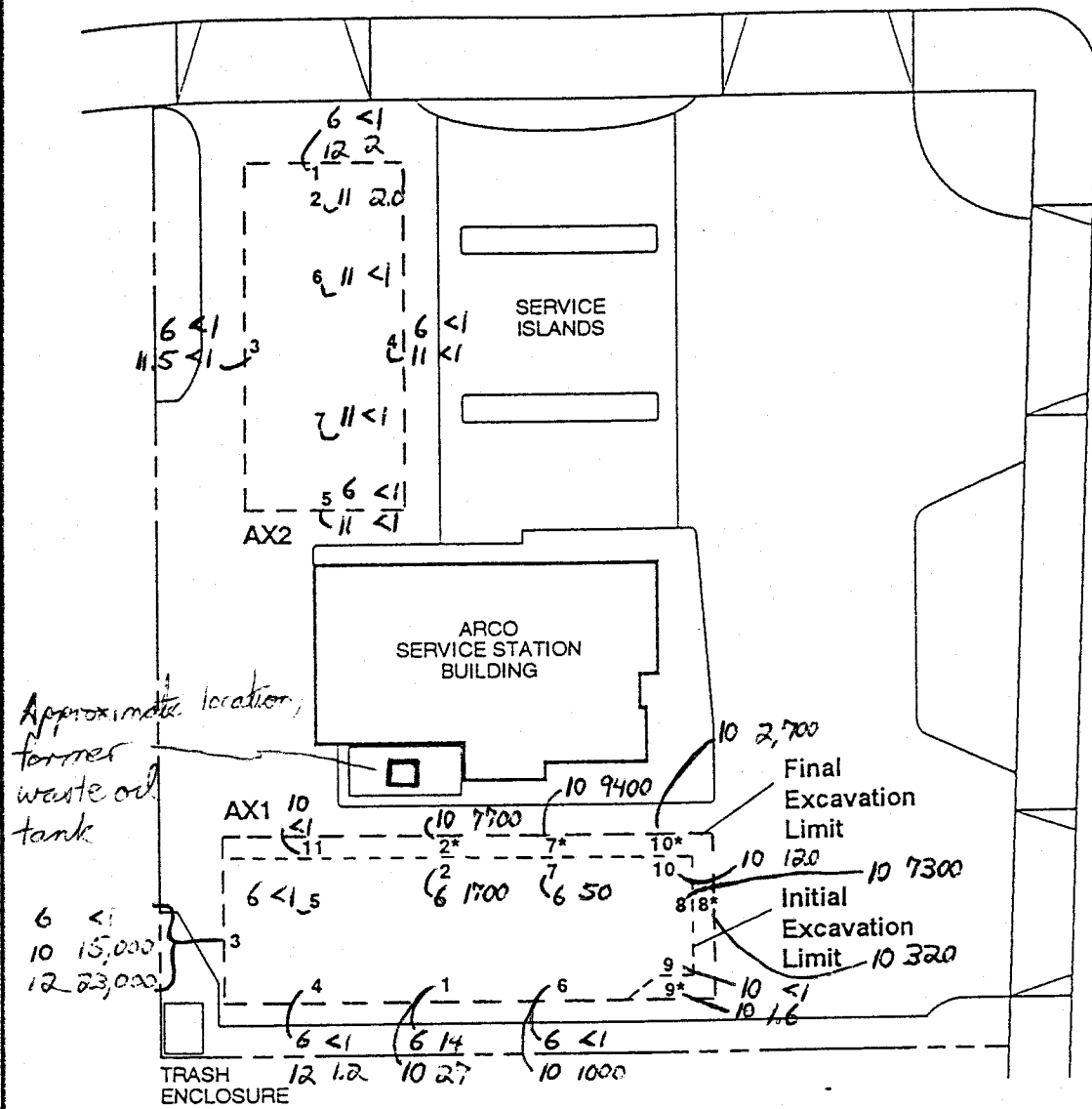
New tanks in operation; ARCO has not submitted permit applications A/B (KC sent letter requesting these 4/90) - Sec. 2712

- no as-builts (Sec. 2635)

- no written routine monitoring plan or response plan (Sec. 2632)

PARK STREET

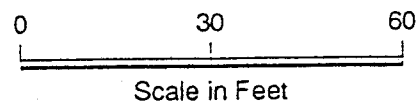
ENCINAL AVENUE



EXPLANATION

- AX1 Excavated area and designation
- 1 Sample location and designation

6 - Depth of sample
 280 - ppm TPH-G



GeoStrategies Inc.

Excavation Soil Sample Map
 ARCO Service Station #2112
 1260 Park Street
 Alameda, California

PLATE

3

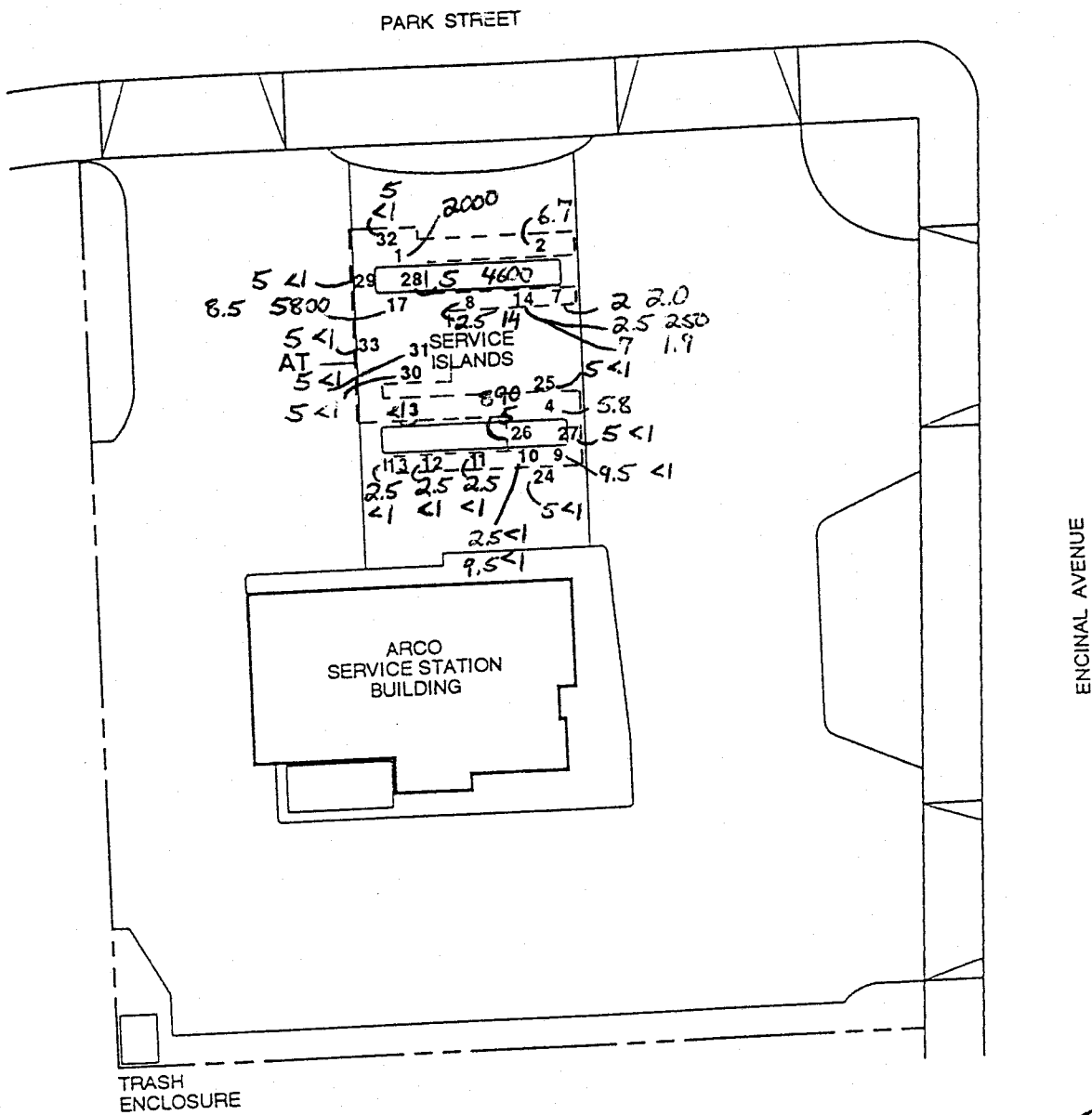
JOB NUMBER
7920

REVIEWED BY RG/CEG
CUMP 08/12/92

DATE
10/90

REVISED DATE

REVISED DATE



GeoStrategies Inc.

Trench Soil Sample Map
ARCO Service Station #2112
1260 Park Street
Alameda, California

PLATE

4

JOB NUMBER
7920

REVIEWED BY RG/CEG
UMP ceg/202

DATE
10/90

REVISED DATE

REVISED DATE