

FREE PRODUCT SITES

10600 McArthur Blvd.
ARCO 276 Oakland **AGS**

MW-2 installed 3/89 - FP found at that time

* Free product identified in only one of five on site wells. The product in the one well is located in an isolated perched zone. The product was identified in October 1989 following completion of an assessment triggered by contamination discovered on adjacent property. Product ranges in thickness from being absent to approximately 1 foot of apparent thickness.

* Interim FP recovery consisting of monthly FP removal by bailing commenced in 10/90. Total recovery to date = 1.2 gallons

described in which report?

* The interim free product recovery system will be converted to a final remedial action program through implementation of a vapor extraction system. The VES is expected to be operational in May, 1991 following the receipt of permits submitted to agencies. VES system was installed and operational from August '90 to November '90 when the system was vandalized. During system repairs the supplemental fuel system was switched from propane to natural gas. The air permit was submitted on 12/11/90 and approved by the BAAQMD on 3/8/91. We are awaiting natural gas hookup from PG&E scheduled for the week of 5/22/91.

29900 Mission Blvd. (Hayward)
ARCO 362 Hayward **AGS**

* Free product identified in two of three on site wells. Product was identified on 8/6/90 during initiation of quarterly monitoring. Apparent product thickness has ranged from 0.2 to 0.8 feet.

* Interim FP recover consisted of monthly FP removal commencing 10/90. Total recovery to date = 12.5 gallons

* Current interim recovery efforts will continue but will be enhanced through the use of dedicated product recovery pumps installed in onsite wells. The pumps will be installed in wells with FP following the submittal of a workplan and the receipt of the necessary agency approvals and all applicable permits. The

workplan is anticipated to be available for submittal to agencies on May 15, 1991.

* The interim product recovery system will be converted if necessary into an expanded final remedial system following the completion of further assessment and feasibility testing. A workplan for this further assessment and feasibility testing will be available for submittal to the agencies by 5/30/91. Results from the interim recovery program will be used for design of any final system.

6407 Telegraph
ARCO 374 Oakland AGS

* Free product identified in one of four onsite wells.

* Interim FP recovery consisted of monthly FP removal by bailing commencing 10/90. Total recovery to date only 0.01 gallons because of the presence of only negligible amounts of FP.

) described
in which
report?

* The current free product recovery program will be continued. In an effort to enhance recovery of free product a total fluids pump will be installed in a well in the area of free product. The workplan for installation of this pump and associated piping and tankage will be available for submittal to the agencies by May 15, 1991. Following completion of the additional assessment described below additional pumps may be added to the system if sufficient product is encountered in the new wells

* A final remedial program will be prepared following further definition of the plume and completion of remedial feasibility studies (aquifer testing). The definition and studies will be conducted following submittal and approval of the workplan describing these activities. The workplan is currently being developed and is expected to be available for submittal to the agencies by May 15, 1991.

712 Jewelling Blvd.
ARCO 601 San Leandro AGS

- * Free product identified in two of three on-site wells.
- * Interim FP recovery consisted of monthly FP removal commencing in 10/90. Total recovery to date = 5 gallons } in which report?
- * Interim FP recovery will be enhanced by the installation of a fluid pumps in onsite monitoring wells. FP bailing operations will be continued during the interim while the workplan for installation of the recovery pumps and wells is prepared, submitted and approved by the Alameda County Department of Environmental Health. The workplan for installation of this equipment will be available for submittal to the agencies by May 15, 1991. } what mean
- * The interim recovery system will be assimilated into a final remedial action program following the completion of further assessment and a remedial feasibility study (aquifer and vapor extraction testing). The workplan for the assessment and studies was submitted to the agencies on 3/26/91 and will be implemented upon receipt of agency approval. } OK

899 Rincon Ave.
ARCO 771 Livermore AGS →

- * Free product identified on groundwater in one of 3 onsite soil borings in 2/90. The borings were drilled around the UST's for the purpose of analyzing soil conditions prior to a tank replacement project. Tank removal plans submitted
- * ARCO planned to conduct further assessment following completion of the tank replacement project rather than abandoning and replacing monitoring wells destroyed during the tank replacement. A workplan for further assessment including installation of groundwater monitoring wells was submitted to the Alameda County Environmental Health Dept. in 9/90 after the scheduled tank replacement project was placed on hold. Following approval of the workplan by ACEHD the work was completed in 12/90. Interim product recovery consisted of periodic manual well pumping which commenced in 1/91 recovering approximately 1.5 gallons to date. } in which report?

* The existing interim recovery system will be enhanced by the addition of at least one well immediately adjacent to the existing UST's . If an adequate thickness of product is encountered in this well, a dedicated fluid recovery pump will be installed. A workplan for the installation of the well and pump will be prepared and submitted to Alameda County Environmental Health Department by 5/15/91.

* The project will move into a final remedial phase following complete definition of the plume. A workplan for further assessment and remedial feasibility testing will be prepared for the submittal to Alameda Co. by 5/15/91. Results from this further testing and the planned UST replacement project (scheduled for summer 1991) will be used to develop a comprehensive final remedial action plan.

Facility 2035 ^{1001 San Pablo Ave.} Albany AGS

- Only a free product sheen which could not be measured was identified in two of four soil borings on 8/9/89. The borings were drilled for the purpose of defining conditions prior to the tank replacement project.
- ARCO was notified on 3/20/91 that Shell had installed a well adjacent to ARCO's facility which reportedly contains an apparent thickness of product of approximately 6 feet.
- ARCO authorized on 3/21/91 the development of a workplan for definition of the relationship of the product in the well installed by Shell with the ARCO site. The workplan will be submitted to the Alameda County Environmental Health Dept on April 26, 1991.

Facility 2112 ^{1260 Park St.} Alameda GR

- Only a free product sheen which could not be measured was identified upon the groundwater in the tank excavation during a tank replacement project in 9/90. This product was immediately removed from the water table using a vacuum truck during the tank project.

- In an attempt to institute an interim free product recovery program, a workplan was submitted to the Alameda County Environmental Health Dept. on January 4, 1991. This workplan includes installation of 5 wells for purposes of determining the extent of the free product and providing an avenue for interim free product removal. Currently ARCO is awaiting Alameda County's reponse to the workplan.

ARCO 4494 *566 Hegenberger* Oakland **AGS**

- * Free product identified in one of four monitoring wells onsite.

- * Interim FP recovery consisted of monthly FP removal commencing in 9/90. Total recovery to date approximately 8 gallons.

indicated in which report?

- * Interim FP recovery will be enhanced by the installation of a total fluids pump in onsite monitoring well. A work plan for installation of the recovery pump will be prepared for submittal to and approval by the Alameda Co. Health Dept. by May 15, 1991. Concurrent with submittal of this work plan, groundwater discharge permits will be submitted to the appropriate agencies. FP balling operations will be continued.

- * The interim recovery system will be converted into a final remedial program following the completion of further assessment and a remedial feasibility study (aquifer and vapor extraction testing). The workplan for the further assessment (onsite and offsite) and feasibility testing is currently being developed and is planned to be submitted to the agencies by May 15, 1991. Following receipt of agency approval, the work plan will be implemented. The results from these tasks will be used to develop a Remedial Action Plan.

Facility 6206 Fremont **Emcon**

- Free product identified in one well (of ten current wells) during a pretank replacement assessment conducted in late 1988 as reported in a January 1989 report submitted to the Alameda Co Water District.

- Interim free product recovery consisted of weekly bailing of product from the well as requested by the ACWD through mid-1989.

ARCO advised in 2/89 that an extraction well would be installed following completion of plume definition. Thereafter bailing occurred bimonthly until approximately 9/89. Monthly bailing commenced in approximately 9/89 until the present. To date approximately 5 gallons have been recovered. An additional 4 wells were installed in 9/90 which confirmed that the product was isolated to the island area and completed definition of the plume.

- The latest product thickness level in well MW1 was .04 feet thick. In an effort to expedite free product recovery and move toward commencement of a remedial action plan, a workplan will be prepared for submittal to the ACWD which will include the installation of groundwater extraction wells, performance of pump testing, performance of vapor extraction tests in the area of the well that has historically contained minor free product and further assessment in the area of the pump islands. The workplan is currently being prepared and will be submitted to the ACWD by May 15, 1991 and will be performed upon receipt of approval of the plan by the ACWD. This feasibility work will provide the data for development of a final remedial action plan.

ADDITIONAL SITE DISCUSSED DURING APRIL 8, 1991 MEETING

Facility 5387 *20200 Hopeman Blvd.* **Hayward** **Gettler-Ryan**

- No free product known to exist at this time on the site
- The Alameda County Environmental Health Department notified ARCO by letter dated March 19, 1991 that free product had been detected in the vicinity of the site and requested submittal of tank test results and a workplan to determine if the ARCO site is related to the occurrence of the free product. The ACEHD requested this information by April 30, 1991. ARCO will submit the requested workplan by April 30, 1991.

FORMER ARCO FACILITIES
IDENTIFIED BY ALAMEDA COUNTY AT APRIL 8 MEETING

FORMER BRANDED FACILITIES NOT OWNED BY ARCO

1299 San Pablo
Berkeley

Delivered by Petroleum Enterprises
(Distributor) between mid '86
and 9/26/89 (Deidentified)

2740 98th Avenue
Oakland

Delivered by Petroleum Enterprises
(Distributor) Deidentified as of
January 1, 1989

2032 East 12th Street
Oakland

Was a lessee dealer until 3/84
(#329) Current status unknown.

706 Harrison
Oakland

Was a lessee dealer from 1949 until
May 1975. Then a contract dealer
until June 1985. Current status unknown.

623 ? Street
Oakland

Identified by agency as the parking
lot of a Thrifty Jr. We are unable
to identify.

*Station #0623
Mountain & Merced*

CURRENT ARCO CONTRACT DEALERS

✓ #83191
14610 Washington Avenue
San Leandro, CA 94578

✓ #80034
800 San Pablo Avenue
Albany, CA 94706

no contact made

✓ #83231
909 Bluebell Street
Livermore, CA 94550

✓ #83261
2951 High Street
Oakland, CA 94619

↓ #83266
1401 Grand Avenue
San Leandro, CA 94577

CURRENT ARCO DISTRIBUTOR FACILITY

↓ 15101 Freedom Avenue
San Leandro

Delivered by Duncan & Son