ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

SENT
06-01-06

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

May 31, 2006

Mr. Paul Supple
BP West Coast Product LLC
PO Box 6549
Moraga, CA 94570

Subject: Fuel Leak Case No. RO0000309, Arco #0601, 712 Lewelling Boulevard, San Leandro, CA 94579

Dear Mr. Supple:

Alameda County Environmental Health Department (ACEH) staff has reviewed the recently submitted report entitled, "Work Plan for Onsite Investigation, Arco Service Station #0601", dated March 3, 2006 and prepared on your behalf by URS Corporation. ACEH concurs with the proposed scope of work presented in the Work Plan report. Please see the technical comments below regarding the proposed work plan implementation.

We request that you perform the proposed work address the following technical comments and send us the reports described below. Please provide 72-hour advance written notification to this office (e-mail preferred to steven.plunkett@acgov.org) prior to the start of field activities.

TECHNICAL COMMENTS

1. **Proposed Soil Boring Installation.** Currently, no data has been collected below 30 feet bgs to determine the vertical extent of soil and groundwater contamination on site. Please use the soil boring data to target sediments below first-encountered groundwater for depth-discrete soil and groundwater sampling. During the soil boring installation, soil samples should be screened with a PID and examined for visible staining and hydrocarbon odor. If any interval where staining, odor, or elevated PID readings occur a soil sample is to be collected and submitted for laboratory analysis. If no staining, odor, or elevated PID readings are observed, soil sample are to be collected from each boring at the capillary fringe, where groundwater is first encountered, changes in lithology, and at five foot intervals until total depth of the boring is reached. Additionally, groundwater samples are to be collected at the capillary fringe and at depth discrete intervals determined by the soil boring data.

2. **Chemical Analysis.** In addition to the proposed chemical analyses, ACEH requests that the soil and groundwater samples collected be analyzed for the following constituents; TPHg, TPHd, TPHmo, and the fuel oxygenates; MtBE, TAME, ETBE, DIPE, TBA and EtOH by EPA method 8260.

3. **Project Approach and Investigation Reporting – Site Conceptual Model**

We anticipate that characterization and remediation work in addition to what is requested in this letter will be necessary at and downgradient from your site. Considerable cost savings can be realized if your consultant focuses on developing and refining a viable Site Conceptual Model (SCM) for the project. A SCM is a set of working hypotheses pertaining to all aspects of the contaminant release, including site geology, hydrogeology, release history, residual and dissolved contamination, attenuation mechanisms, pathways to nearby receptors, and likely magnitude of potential impacts to receptors. The SCM is used to identify data gaps that are subsequently filled as the investigation proceeds. As the data gaps are filled, the working hypotheses are modified, and the overall SCM is refined and strengthened. Subsurface investigations continue until the SCM no longer changes as new data are collected. At this point, the SCM is said to be "validated." The validated SCM then forms the foundation for developing the most cost-effective corrective action plan to protect existing and potential receptors.

When performed properly, the process of developing, refining and ultimately validating the SCM effectively guides the scope of the entire site investigation. We have identified, based on our review of existing data, some initial key data gaps in this letter and have described several tasks that we believe will provide important new data to refine the SCM. **We request that your consultant develop a SCM for this site, identify data gaps, and propose specific supplemental tasks for future investigations.** There may need to be additional phases of investigations, each building on the results of the prior work, to validate the SCM. Characterizing the site in this way will improve the efficiency of the work and limit its overall cost.

The SCM approach is endorsed by both industry and the regulatory community. Technical guidance for developing SCMs is presented in API's Publication No. 4699 and EPA's Publication No. EPA 510-B-97-001 both referenced above; and "Guidelines for Investigation and Cleanup of MTBE and Other Ether-Based Oxygenates, Appendix C," prepared by the State Water Resources Control Board, dated March 27, 2000.

The SCM for this project shall incorporate, but not be limited to, the following:

a) A concise narrative discussion of the regional geologic and hydrogeologic setting obtained from your background study. Include a list of technical references you reviewed, and copies (photocopies are sufficient) of regional geologic maps, groundwater contours, cross-sections, etc.

b) A concise discussion of the on-site and off-site geology, hydrogeology, release history, source zone, plume development and migration, attenuation mechanisms, preferential pathways, and potential threat to downgradient and above-ground receptors. Be sure to include the vapor pathway in your analysis. Maximize the use of large-scale graphics (e.g., maps, cross-sections, contour maps, etc.) and conceptual diagrams to illustrate key points. Include structural contour maps (top of unit) and isopach maps to describe the geology at your site. Geologic cross-sections, which include an interpretive drawing of the vertical extent of soil and groundwater contamination (i.e., an interpretive drawing—not a plot of laboratory results). The SCM report requested below is to include one cross section parallel and one cross section perpendicular to the contaminant plume axis. Each cross section should include, but not be restricted to, the following:

    1. Subsurface geologic features, depth to groundwater and man-made conduits.

2. Surface topography. The cross sections should be extended off-site where necessary to show significant breaks in slope.
3. Soil descriptions for all borings and wells along the line of section.
4. Screen and filter pack intervals for each monitoring well.
5. Sampling locations and results for soil and grab groundwater samples.
6. Site features such as the tank pit, dispensers, etcWhere appropriate, monitoring well location and soil boring locations will be projected back to the strike of the cross section line

c) Identification and listing of specific data gaps that require further investigation during subsequent phases of work.

d) Proposed activities to investigate and fill data gaps identified above.

e) The SCM shall include an analysis of the hydraulic flow system at and downgradient from the site. Include rose diagrams for groundwater gradients. The rose diagram shall be plotted on groundwater contour maps and updated in all future reports submitted for your site. Include an analysis of vertical hydraulic gradients. Note that these likely change due to seasonal precipitation and pumping.

f) Temporal changes in the plume location and concentrations are also a key element of the SCM. In addition to providing a measure of the magnitude of the problem, these data are often useful to confirm details of the flow system inferred from the hydraulic head measurements. Include plots of the contaminant plumes on your maps, cross-sections, and diagrams.

g) Several other contaminant release sites exist in the vicinity of your site. Hydrogeologic and contaminant data from those sites may prove helpful in testing certain hypotheses for your SCM. Include a summary of work and technical findings from nearby release sites and incorporate the findings from nearby site investigations into your SCM.

h) Plots of chemical concentrations vs. time and vs. distance from the source. Plots should be shown for each monitoring well, which has had detectable levels of contaminants

i) Summary tables of chemical concentrations in each historically sampled media (including soil, groundwater and soil vapor).

j) Boring and well logs (including construction/screening), and a summary table indicating construction specifications for each monitoring and extraction well.

Report the information discussed above in your initial SCM and include it in the Work Plan requested below. Include updates to your SCM in the Soil and Water Investigation (Results of Expedited Site Assessment) Report requested below

Please report the information discussed above in your initial SCM and include it in the SCM Report requested below. Also include updates to your SCM in subsequent reports.

TECHNICAL REPORT REQUEST

Please submit technical reports to Alameda County Environmental Health (Attention: Mr. Steven Plunkett), according to the following schedule:

- **August 15, 2006 – Soil and Water Investigation Report with** Initial Site Conceptual Model

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

ELECTRONIC SUBMITTAL OF REPORTS

The Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program ftp site are provided on the attached "Electronic Report Upload (ftp) Instructions." Please do not submit reports as attachments to electronic mail.

Submission of reports to the Alameda County ftp site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) Geotracker website. Submission of reports to the Geotracker website does not fulfill the requirement to submit documents to the Alameda County ftp site. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitor wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, electronic submittal of a complete copy of all necessary reports was required in Geotracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.swrcb.ca.gov/ust/cleanup/electronic_reporting).

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to

present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to $10,000 per day for each day of violation.

If you have any questions, please call me at (510) 383-1767.

Sincerely,

Steven Plunkett
Hazardous Materials Specialist

cc: Mr. Alok Lolekar
URS Corporation
1333 Broadway, Suite 800
Oakland, CA 94612

Mr. Matt Herrick
Broadbent and Associates, Inc.
1324 Mangrove Ave., Suite 212
Chico, Ca 95926

Donna Drogos, ACEH
Steven Plunkett, ACEH
File

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

11-01-02

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

October 30, 2002

RO 309

Mr. Paul Supple
Atlantic Richfield Company
P.O. Box 6549
Moraga, CA 94570

RE: ARCO Service Station #601, 712 Lewelling Boulevard, San Leandro - Request for Total Fuel Oxygenate Analyses

Dear Mr. Supple:

The case file for the referenced site was recently reviewed, up to and including the June 2002 Delta Environmental, Inc. 1st quarter 2002 sampling report. This review was primarily conducted to identify the current suite of target compounds sought in water samples collected from the various wells within the network. Our review revealed that a number of potential fuel oxygenates may not have been sought historically from samples collected from these wells.

Please direct your consultant to analyze all samples collected during the next scheduled sampling event for the presence of total fuel oxygenates (MtBE, TAME, EtBE, DIPE, and TBA) and lead scavengers (EDB and 1,2-DCA / EDC) using EPA Method 8260. Such expanded analyses may be required to continue depending upon what is found.

In addition, you are reminded that all reports for this case, a*s well as all other ARCO cases,* are to be submitted under ARCO cover that is signed, under penalty of perjury, by the official ARCO project representative.

Please contact me at (510) 567-6783 should you have any questions.

Sincerely,

Scott O. Seery, CHMM
Hazardous Materials Specialist

cc: Chuck Headlee, RWQCB
Michael Bakaldin, San Leandro Hazardous Materials Program
Steven Meeks, Delta Environmental Consultants, Inc.
3164 Gold Camp Drive, Ste. 200, Rancho Cordova, CA 95670-6021

B-1302

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

March 12, 2002

STID 4275 / RO0000309

Mr. Paul Supple
ARCO Products Company
P.O. Box 6549
Moraga, CA 94570

RE: ARCO Service Station #601, 712 Lewelling Boulevard, San Leandro – Sewer Line Investigation

Dear Mr. Supple:

In correspondence dated December 29, 1999, this office approved the scope of the November 3, 1999 Pinnacle Environmental Solutions (Pinnacle) workplan describing proposed steps for sampling groundwater, and soil /backfill material from an adjacent 24" sanitary sewer trench that passes below and parallel to Lewelling Boulevard. This plan is similar in general scope to that of the previous (and unimplemented) July 2, 1997 EMCON workplan.

To date, we have not been informed that this work has been completed, more than 2 years after work plan approval. Completion of this task was first requested by this office approximately 5 years ago. This is unacceptable.

You are now directed, within 10 working days of the date of this letter, to inform when this work will begin, if it has not yet been implemented, or to submit the final report documenting said work if it has already occurred. Please be advised that if this work has not yet been completed, it must be completed within 45 days of the date of this letter to coincide with expected seasonal high groundwater levels.

Please be advised that this letter constitutes a request for technical reports pursuant to California Water Code Sec. 13267(b).

Please contact me at (510) 567-6783 should you have any questions, or to otherwise comply with the directives outlined in this letter.

Sincerely,

Scott O. Seery, CHMM
Hazardous Materials Specialist

cc: Chuck Headlee, RWQCB
Mike Bakaldin, San Leandro Hazardous Materials Program
Glen VanderVeen, Pinnacle Environmental Solutions
2201 Broadway, Ste. 101, Oakland, CA 94612-3023

Sent 12/29/99
Including cc's

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

R0309

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6700
(510) 337-9432

December 29, 1999

STID 4275

Mr. Paul Supple
ARCO Products Company
P.O. Box 6549
Moraga, CA 94570

RE: ARCO Service Station #601, 712 Lewelling Boulevard, San Leandro

Dear Mr. Supple:

I am in receipt and have completed review of the November 3, 1999 Pinnacle Environmental Solutions (Pinnacle) workplan describing proposed steps for sampling groundwater, soil and/or trench backfill material from the 24" sanitary sewer trench that passes below and parallel to Lewelling Boulevard. This plan is similar in general scope to that of the previous (and unimplemented) July 2, 1997 EMCON workplan. The Pinnacle workplan proposes fewer sample locations than does the EMCON proposal, as well as the use of hand tools in lieu of power equipment (i.e., "hydropunch or other...sampling equipment") to facilitate sample collection once sampling depths have been reached.

This modified workplan is accepted as submitted with the understanding that the interception and collection of groundwater from within the noted sewer trench is the primary goal of this project task. Every reasonable effort should be expended to ensure the collection and analyses of viable groundwater samples, even if to do so ultimately requires some acceptable modification to the proposed sampling methodology at the time the work is completed.

Please contact me at (510) 567-6783 to inform me when field work has been scheduled.

Sincerely,

Scott O. Seery, CHMM
Hazardous Materials Specialist

cc: Chuck Headlee, RWQCB
Mike Bakaldin, San Leandro hazardous Materials Program
Glen VanderVeen, Pinnacle Environmental Solutions
2201 Broadway, Ste. 101, Oakland, CA 94612-3023

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

R0389

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION (LOP)
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

May 7, 1999

STID 4275

Mr. Paul Supple
ARCO Products Company
P.O. Box 6549
Moraga, CA 94570

RE: ARCO Service Station #601, 712 Lewelling Boulevard, San Leandro

LANDOWNER NOTIFICATION AND PARTICIPATION REQUIREMENTS

Dear Mr. Supple:

This letter is to inform you of new legislative requirements pertaining to cleanup and closure of sites where an unauthorized release of hazardous substance, including petroleum, has occurred from an underground storage tank (UST). Section 25297.15(a) of Ch. 6.7 of the Health & Safety Code requires the primary or active responsible party to notify all current record owners of fee title to the site of: 1) a site cleanup proposal, 2) a site closure proposal, 3) a local agency intention to make a determination that no further action is required, and 4) a local agency intention to issue a closure letter. Section 25297.15(b) requires the local agency to take all reasonable steps to accommodate responsible landowners' participation in the cleanup or site closure process and to consider their input and recommendations.

For purposes of implementing these sections, you have been identified as the primary or active responsible party. Please provide to this agency, within twenty (20) calendar days of receipt of this notice, a complete mailing list of all current record owners of fee title to the site. You may use the enclosed "list of landowners" form (sample letter 2) as a template to comply with this requirement. If the list of current record owners of fee title to the site changes, you must notify the local agency of the change within 20 calendar days from when you are notified of the change.

If you are the sole landowner, please indicate that on the landowner list form. The following notice requirements do not apply to responsible parties who are the sole landowner for the site.

In accordance with Section 25297.15(a) of Ch. 6.7 of the Health & Safety Code, you must certify to the local agency that all current record owners of fee title to the site have been informed of the proposed action before the local agency may do any of the following:

1) consider a cleanup proposal (corrective action plan)

2) consider a site closure proposal

3) make a determination that no further action is required

4) issue a closure letter

You may use the enclosed "notice of proposed action" form (sample letter 3) as a template to comply with this requirement. Before approving a cleanup proposal or site closure proposal, determining that no further action is required, or issuing a closure letter, the local agency will take all reasonable steps necessary to accommodate responsible landowner participation in the cleanup and site closure process and will consider all input and recommendations from any responsible landowner.

Please call me at (510) 567-6783 should you have any questions about the content of this letter.

Sincerely,

Scott O. Seery, CHMM
Hazardous Materials Specialist

Attachments

cc: Chuck Headlee, RWQCB
Mike Bakaldin, San Leandro Hazardous Materials Program

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

RO#309

November 22, 1996

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION (LOP)
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

STID 4275

Mr. Paul Supple
ARCO Products Company
P.O. Box 6549
Moraga, CA 94570

RE: ARCO SERVICE STATION 601, 712 LEWELLING BOULEVARD, SAN LEANDRO - REQUEST FOR A RISK-BASED CORRECTIVE ACTION AND CONTAMINANT FATE AND TRANSPORT EVALUATION

Dear Mr. Supple:

This letter follows our meeting of November 19, 1996, attended by yourself, your consultant John Young (EMCON), and myself. You may recall that we discussed the subject site in context with our *draft* California-modified ASTM (E1739-95) Tier 1 risk-based screening level (RBSL) "Look-Up" table, how these RBSLs compare with site-specific soil and ground water data, potential exposure pathways and receptor populations, and the risk-based corrective action (RBCA) process. Of particular note was the potential for there to be remote off-site receptor populations. This potential is based on the depth of sewer line trenches, geology, and water elevations. Such utility trenches appear to create a preferential plume migration pathway.

Please have your experienced risk assessor prepare a RBCA evaluation of potential human health risks following the ASTM E1739-95 framework. Among other elements of consideration, both *direct* and *indirect* potential exposure pathways, and on- and off-site receptors (i.e., commercial/ industrial and residential) are to be evaluated. In addition, a contaminant fate and transport study with respect to plume/vapor migration along suspected preferential pathways (e.g., utility trenches, etc.) is to be completed to confirm the presence or absence of such potential exposure routes.

A report documenting this evaluation is to be presented. This report shall include, as necessary, any recommendations for additional assessment work or further Tier evaluation. *If, during this stage of the evaluation, your risk assessor determines a need to employ predictive modelling, we will need to meet again to discuss appropriate exposure parameters to be employed, before the modelling is performed.*

The RBCA evaluation report is due for submittal by March 3, 1997.

Please feel free to contact me at 510/567-6783 should you have any questions.

Sincerely,

Scott O. Seery, CHMM
Senior Hazardous Materials Specialist

cc: Mee Ling Tung, Director
Bob Chambers, Alameda County District Attorney's Office
Kevin Graves, RWQCB
Mike Bakaldin, San Leandro Hazardous Materials Program
John Young, EMCON, 1921 Ringwood Ave., San Jose 95131-1721

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

RO#309

November 4, 1996

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION (LOP)
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

STID 4275

Mr. Paul Supple
ARCO Products Company
P.O. Box 6549
Moraga, CA 94570

RE: ARCO SERVICE STATION 601, 712 LEWELLING BOULEVARD, SAN LEANDRO - REQUEST FOR A RISK-BASED CORRECTIVE ACTION AND CONTAMINANT FATE AND TRANSPORT EVALUATION

Dear Mr. Supple:

A comparison of *draft* California-modified ASTM (E1739-95) Tier 1 risk-based screening levels (RBSL) with historic ground water and soil analytical data from the multiple phases of environmental investigation performed at the subject site was recently completed. Exposure parameters (e.g., depth to water, sediment type, etc.) employed to generate Tier 1 RBSLs were also contrasted with site-specific characteristics to determine their relevance. Comparison reveals that Tier 1 RBSLs are exceeded for several exposure pathway and receptor scenarios, and that many site characteristics differ from the Tier 1 exposure parameters.

Sedimentary sequences and concentrations of fuel compounds in both ground water and sediments encountered in wells and borings emplaced along the northern (Lewelling) margin of the site were compared to the proximity and depth of sewer line trenches and other utilities located along the Lewelling Boulevard easement. This evaluation strongly suggests high concentrations of contaminants are preferentially migrating from the site through the Lewelling Boulevard utility trenches.

The foregoing indicates a Tier 2 human health risk evaluation is needed, consistent with the ASTM ES 1739-95 standard guidance, a task not completed to date. Potential on- and off-site receptors must be identified. In doing so, further contaminant fate and transport studies (i.e., vapor and dissolved/immiscible phase migration through utility trenches) must be completed.

I believe it would be beneficial to schedule a meeting in November to discuss these issues with you and your experienced risk assessor before embarking on this project. I will attempt to contact you regarding this issue and to schedule this meeting.

Please feel free to contact me at 510/567-6783 should you have any questions.

Sincerely,

Scott O. Seery, CHMM
Senior Hazardous Materials Specialist

cc: Mee Ling Tung, Director
Bob Chambers, Alameda County District Attorney's Office
Kevin Graves, RWQCB
Mike Bakaldin, San Leandro Hazardous Materials Program

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, Assistant Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Division
80 Swan Way, Rm. 200
Oakland, CA 94621
(510) 271-4320

R0309

August 4, 1992

Mr. Michael Whelan
ARCO Products Company
2000 Alameda de las Pulgas
P.O. Box 5811
San Mateo, CA 94402

RE: ARCO STATION #601, 712 LEWELLING BLVD., SAN LEANDRO

Dear Mr. Whelan:

The account established to cover county costs during oversight of the environmental investigation at this site is presently $247 in arrears. Please remit a payment of $600 to cover the present account deficit and future county costs for the next several months.

Your prompt attention to this matter is greatly appreciated. Please call me at 510/271-4530 should you have any questions.

Sincerely,

Scott O. Seery, CHMM
Senior Hazardous Materials Specialist

cc: Rafat A. Shahid, Assistant Agency Director, Env. Health
files

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, Assistant Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Division
80 Swan Way, Rm. 200
Oakland, CA 94621
(510) 271-4320

R0309

July 30, 1992

Mr. Joel Coffman
RESNA Industries
3315 Almaden Expressway, Ste. 34
San Jose, CA 95118

Mr. Michael Whelan
ARCO Products Company
2000 Alameda de las Pulgas
P.O. Box 5811
San Mateo, CA 94402

RE: ARCO SERVICE STATION 601, 712 LEWELLING BOULEVARD, SAN LEANDRO

Dear Messrs. Coffman and Whelan:

This letter follows my telephone conversation today with Mr. Coffman, and the receipt of the July 29, 1992 letter proposal from RESNA for the installation of an additional monitoring well, designated MW-14. Well MW-14 will be constructed on an adjoining property to the south of the subject site, located at 15301 Lewelling Boulevard.

This well installation has been approved by this office.

Mr. Coffman and I had the opportunity today to discuss several topics associated with the current status of the investigation, and future actions planned for the site. Mr. Coffman indicated that permitting for the planned remediation system at the site, as outlined in the March 3, 1992 RESNA Addendum 4 to Work Plan, was on schedule. I requested that engineering drawings and equipment manufacturer's cut sheets for this system be submitted.

Mr. Coffman and I further discussed additional work required to more fully define the lateral and vertical extent of soil and ground water contamination at the site, as follows:

1) Additional wells/borings are needed in three (3) areas along the eastern edge of the site:

   i) east of the fuel tank pit
   ii) eastern service island
   iii) near the southeast corner of the site, east of well MW-1

2) Soil contamination associated with the waste oil tank area has not been defined. An appropriate number of wells and borings are needed in this area.

3) Total lead found in soil sampled from boring B-6 (MW-1), 287.1 ppm, exceeded 10 x the Soluble Threshold Limit Concentration (STLC) for this compound. Title 22, California Code of Regulations (CCR), requires that a Waste Extraction Test (WET) be performed to determine if this soil constitutes a hazardous waste. Future investigations in the area of the waste oil pit (item 2) must incorporate such additional analyses should they be warranted.

4) Because of the presence of free-phase hydrocarbons since July 1990, water from well MW-1 has never been sampled and analyzed for dissolved constituents. Hence, we are unaware at this time what contaminants are present in ground water near the former waste oil tank.

   Therefore, following removal of free-phase hydrocarbons from this well, ground water shall be sampled during the next two (2) sampling events, at a minimum. Analyses shall adhere to those for waste oil constituents outlined in Table 2, August 1990 RWQCB "Recommendations." Future sampling will be determined following review of these results.

5) Evaluation of impacts to the underlying deeper aquifer may be required in the near future.

6) Upon the complete evaluation of the extent of soil contamination at this site, a **Corrective Action Plan** (CAP) must be developed to address the need to remediate the soil, in addition to the "interim" ground water remediation system outlined in Appendix 4 to Work Plan.

Please submit a brief work plan addendum addressing the tasks outlined in items 1 - 3, above. This addendum should be submitted within 45 days of the date of this letter. Please also submit the remediation engineering drawings and cut sheets in a timely fashion.

Please call me at 510/271-4530 should you have any questions.

Sincerely,

Scott O. Seery, CHMM
Senior Hazardous Materials Specialist

cc: Rafat A. Shahid, Assistant Agency Director, Env. Health
Gil Jensen, Alameda County District Attorney's Office
John Jang, RWQCB
Susan Hugo, ACDEH
files

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

R0501

DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Program
80 Swan Way, Rm. 200
Oakland, CA 94621
(415)

January 27,1992

Mr. Chuck Carmel
Arco Products Company
P.O. Box 5811
San Mateo, California 94402

RE: 712 Lewelling Boulevard, San Leandro, CA

Dear Mr. Carmel:

I have reviewed your Executive Summary of Subsurface Enviromental Investigation and Vapor Extraction Test dated October 17, 1991 that was prepared by Applied GeoSystems, Inc. Your recommendations for future remediation of soil and groundwater is acceptable.

If you have any questions, please contact me at (510) 271-4320.

Sincerely,

Larry Seto
Sr. Hazardous Materials Specialist

cc: Gil Jensen, Alameda County District Attorney's Office
Eddie So, RWQCB
Howard Hatayama, DTSC
San Leandro Fire
Rafat Shahid, Assistant Agency Director, Environmental Health
Files

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

R0309

DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Program
80 Swan Way, Rm. 200
Oakland, CA 94621
(415)

December 26, 1991

Mr. Chuck Carmel
ARCO Products Company
P.O. Box 6411
Artesia, CA 90702-6411

RE: CAL-EPA REGIONAL HYDROGEOLOGY AND CONTAMINATION STUDY, CENTRAL SAN LEANDRO

Dear Mr. Carmel:

The California Environmental Protection Agency (Cal-EPA), Department of Toxic Substance Control (DTSC), has been investigating the presence of several priority pollutants, primarily volatile organic compounds (VOC), heavy metals, and nitrates, in soil and ground water occurring in the central San Leandro area since approximately 1986. Currently, six sites are being investigated with Cal-EPA lead or oversight, as follows:

- 139th Avenue site (Cal-EPA lead)
- Factor Avenue site (Cal-EPA lead)
- Singer-Friden site (Cal-EPA lead)
- Caterpillar site (Cal-EPA oversight)
- Hudson ICS (Cal-EPA oversight)
- Staefa Control System Inc./2481 Washington Avenue (Cal-EPA oversight)

Because of similar contamination found at these sites, DTSC suspects that a larger, regional contamination problem exists that requires further investigation. Presently, DTSC is conducting a Regional Hydrology and Contamination Study in Central San Leandro. The purposes of this study include, among other elements:

- defining as far as possible the known vertical and horizontal extent of contamination in the area;
- identifying existing public and/or private wells that can be used by DTSC for monitoring purposes;
- instituting coordinated sampling; and,
- defining the hydrogeology of the area.

The intent of the DTSC study is to develop the best possible data on the extent of contamination while realizing no unnecessary expenditure of public funds. Following the presentation of the study's final report, DTSC will develop a work plan for conducting further study, targeting potential source areas and "hot spots" identified during the course of this phase of the investigation.

The DTSC has requested Alameda County's assistance in developing this study and report by coordinating ground water sampling efforts for those sites under county lead. To meet this goal, you are requested, on a volunteer basis, to supplement the sampling slated to occur at your site(s), listed below, during **January - March 1992**, in addition to those sampling/monitoring activities already required, as follows:

1) Collect and analyze ground water samples from at least one well for VOCs (EPA Method 624, or 601/602). The well sampled for this task is to be chosen based upon its potential for detection of VOCs relative to other wells on-site, i.e., its proximity downgradient of a former waste oil or solvent underground storage tank, VOCs identified in prior analyses, etc.

2) Present this data, along with other requisite sampling/monitoring data, in the 1992 first quarter report. Submit a copy of this report directly to the DTSC, at the following address:

California Environmental Protection Agency
Department of Toxic Substance Control
700 Heinz Avenue, Suite 200
Berkeley, CA 94710
Attn: Eileen Hughes

The sites affected by this request are as follow:

(R0309) o [redacted]

o [redacted]

Thank you in advance for your cooperation in this matter. Please feel free to contact Mr. Scott Seery of this Division at 510/271-4320, or Ms. Eileen Hughes of DTSC at 510/540-3843, should you have any questions.

Sincerely,

Edgar B. Howell, III
Chief, Hazardous Materials Division

cc: Rafat A. Shahid, Assistant Agency Director, Environmental Health
Gil Jensen, Alameda County District Attorney's Office
Lester Feldman, RWQCB
Eileen Hughes, DTSC
Mike Bakaldin, San Leandro Fire Department
Jim Ferdinand, Eden Consolidated Fire District

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DEPARTMENT OF ENVIRONMENTAL HEALTH
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80 Swan Way, Rm. 200
Oakland, CA 94621
(415)

July 24, 1991

Mr. Chuck Carmel
Arco Products Company
P.O.Box 5811
San Mateo, Ca 94402

Re: Arco Station #601, 712 Lewelling Blvd., San Leandro

Dear Mr. Carmel:

I have reviewed your Quarterly Groundwater Monitoring Report, dated March 24, 1991. This report identified a product sheen in MW-1 and MW-3. MW-2 contained 13,000 PPb TPH(gas), and 1500, 970, 390 and 1500 PPb BTEX respectively. In addition, 18 PPb methylene chloride was also detected.

Your "Addendum Two to Work Plan, Interim Product Recovery" dated May 15, 1991, prepared by Applied GeoSystems, proposes pumping floating products from MW-1 and MW-3 for disposal off-site. MW-2 has a substantial amount of dissolved products, but was not addressed. This plan is acceptable with the condition that the groundwater system remediation be installed on an accelerated schedule.

If you have any questions, please call me at 271-4320.

Sincerely,

Larry Seto
Senior Hazardous Materials Specialist

LS:lp

cc: Gil Jensen, Alameda County District Attorney's Office
RWQCB
DHS
San Leandro Fire Dept.
Rafat Shahid, Alameda County Assistant Agency Director
files

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DEPARTMENT OF ENVIRONMENTAL HEALTH
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80 Swan Way, Rm. 200
Oakland, CA 94621
(415)

April 18, 1991

Mr. Chuck Carmel
Arco Products Company
P.O. Box 5811
San Mateo, CA 94402

RE: Arco Station #601, 712 Lewelling Blvd., San Leandro

Dear Mr. Carmel:

I have reviewed your workplan for Subsurface Investigations and Remediation and Addendum One to work plan, both dated March 21, 1991, that was prepared by Applied GeoSystems. They are accepted. Bay Area Air Quality Management District should be contacted to verify if a permit is needed to perform your soil-vapor extraction performance test.

If you have any questions, please contact me at 271-4320.

Sincerely,

Larry Seto
Senior Hazardous Materials Specialist

LS:lp

cc: Gil Jensen, Alameda County District Attorney
RWQCB
Howard Hatayama, DHS
Joel Coffman, Applied GeoSystems
Rafat Shahid, Alameda County Assistant Agency Director
files

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DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Program
80 Swan Way, Rm. 200
Oakland, CA 94621
(415)

Certified Mail #P 062 128 316

November 16, 1990

Mr. Kyle Christie
Arco Petroleum Products
2000 Alameda de Las Pulgas
San Mateo, CA 94403

RE: Arco Station #0601, 712 Lewelling Blvd., San Leandro, CA

Dear Mr. Christie:

Please submit to this office, a copy of all quarterly monitoring well reports for the wells at the above site, from the installation date.

If you have any questions, please contact me at 271-4320.

Sincerely,

Larry Seto, Senior,
Hazardous Materials Specialist

LS:mnc

cc: Gil Jensen, Alameda County District Attorney, Consumer and Environmental Protections Agency
RWQCB
Howard Hatayama, DOHS
Rafat A. Shahid, Assistant Agency Director, Environmental Health
Files