



Dave Patten
Project Manager
Marketing Business Unit

**Chevron Environmental
Management Company**
6001 Bollinger Canyon Road
San Ramon, CA 94583
Tel (925) 790-6491
drpatten@chevron.com

Alameda County Health Care Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Chevron Service Station No. 9-0329
340 Highland Avenue
Piedmont, CA

RECEIVED

5:23 pm, Feb 27, 2012

Alameda County
Environmental Health

I have reviewed the attached report dated February 17, 2012.

I agree with the conclusions and recommendations presented in the referenced report. The information in this report is accurate to the best of my knowledge and all local Agency/Regional Board guidelines have been followed. This report was prepared by Conestoga-Rovers & Associates, upon whose assistance and advice I have relied.

This letter is submitted pursuant to the requirements of California Water Code Section 13267(b)(1) and the regulating implementation entitled Appendix A pertaining thereto.

I declare under penalty of perjury that the foregoing is true and correct to the best of my knowledge.

Sincerely,

A handwritten signature in black ink that reads "Dave Patten for".

Dave Patten
Project Manager

Attachment: Report



**CONESTOGA-ROVERS
& ASSOCIATES**

5900 Hollis Street, Suite A
Emeryville, California 94608
Telephone: (510) 420-0700 Fax: (510) 420-9170
<http://www.craworld.com>

February 17, 2012

Reference No. 311776

Mr. Mark Detterman
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Investigation Work Plan
Former Chevron Station 9-0329
340 Highland Avenue
Piedmont, California
Fuel Leak Case No. RO000269

Dear Mr. Detterman:

On behalf of Chevron Environmental Management Company (Chevron), Conestoga-Rovers & Associates (CRA) is submitting this *Investigation Work Plan* in response to the December 19, 2011 *Request for Work Plan* from the Alameda County Environmental Health (ACEH). A copy of the ACEH letter is included in Attachment A and the site location is shown on Figure 1.

Proposed Work Plan

ACEH is requesting a geophysical survey to determine whether the "fill" material described on boring logs for borings C-A, C-E and well C-2 is from an underground storage tank (UST) pit and whether there are USTs still in the ground in this area. CRA will perform a geophysical survey to assess whether there are USTs in this area and attempt to assess the extent of the apparent fill material. The survey will include magnetometer and ground penetrating radar surveys with perpendicular transects on five foot spacing across the area.

Based on the geophysical survey results, CRA will determine whether any additional assessment is warranted. Although the ACEH requested a focused soil and groundwater investigation in the area, we request permission to defer this investigation until we have completed the geophysical survey. Survey results may identify other areas where investigation is warranted and we would prefer to conduct only one additional investigation at this site to collect all data necessary for a closure evaluation.

The ACEH also requested a soil vapor assessment including sub-slab samples in this area. Because the potentiometric surface is only 0.5 to 1.5 feet below grade with a capillary fringe approaching ground surface, it is not feasible to install soil vapor probes. Groundwater would saturate the probes and prevent collection of soil vapor samples.

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**CONESTOGA-ROVERS
& ASSOCIATES**

February 17, 2012

Reference No. 311776

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Request for Additional Information Regarding Grease Interceptor Drain

Chevron does have information on the grease interceptor drain construction. We will request this information from the property owner and present any information obtained in the geophysical survey report.

Status of Well C-1

CRA will review California Department of Water Resources and other sources to assess whether there are records documenting the destruction of well C-1. If no documentation is found, CRA will include the area near well C-1 in the proposed geophysical survey.

SCHEDULE

CRA will proceed with the proposed geophysical survey and other field work once ACEH approval is granted. We will submit our findings and recommendations in a report within 60 days of receiving the final results. We anticipate submitting the report in the second quarter of 2012.



**CONESTOGA-ROVERS
& ASSOCIATES**

February 17, 2012

Reference No. 311776

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We appreciate the opportunity to work with you on this project. Please contact Mr. Nathan Lee at (510) 420-3333 if you have any questions or comments regarding this work plan.

Regards,

CONESTOGA-ROVERS & ASSOCIATES

A handwritten signature in blue ink, appearing to read 'O. Yan', with a stylized flourish at the end.

Oliver Yan

A handwritten signature in blue ink, appearing to read 'Nathan Lee', written in a cursive style.

Nathan Lee, P.G.8486



OY/mws/8
Encl.

Figure 1 Site Vicinity Map

Attachment A Regulatory Letter

cc: Mr. Dave Patten, Chevron
 Mr. Chuck Headlee, RWQCB - SF Bay
 Mr. Chester Nakahara, City of Piedmont
 Bains Tarvinder Trust

FIGURE

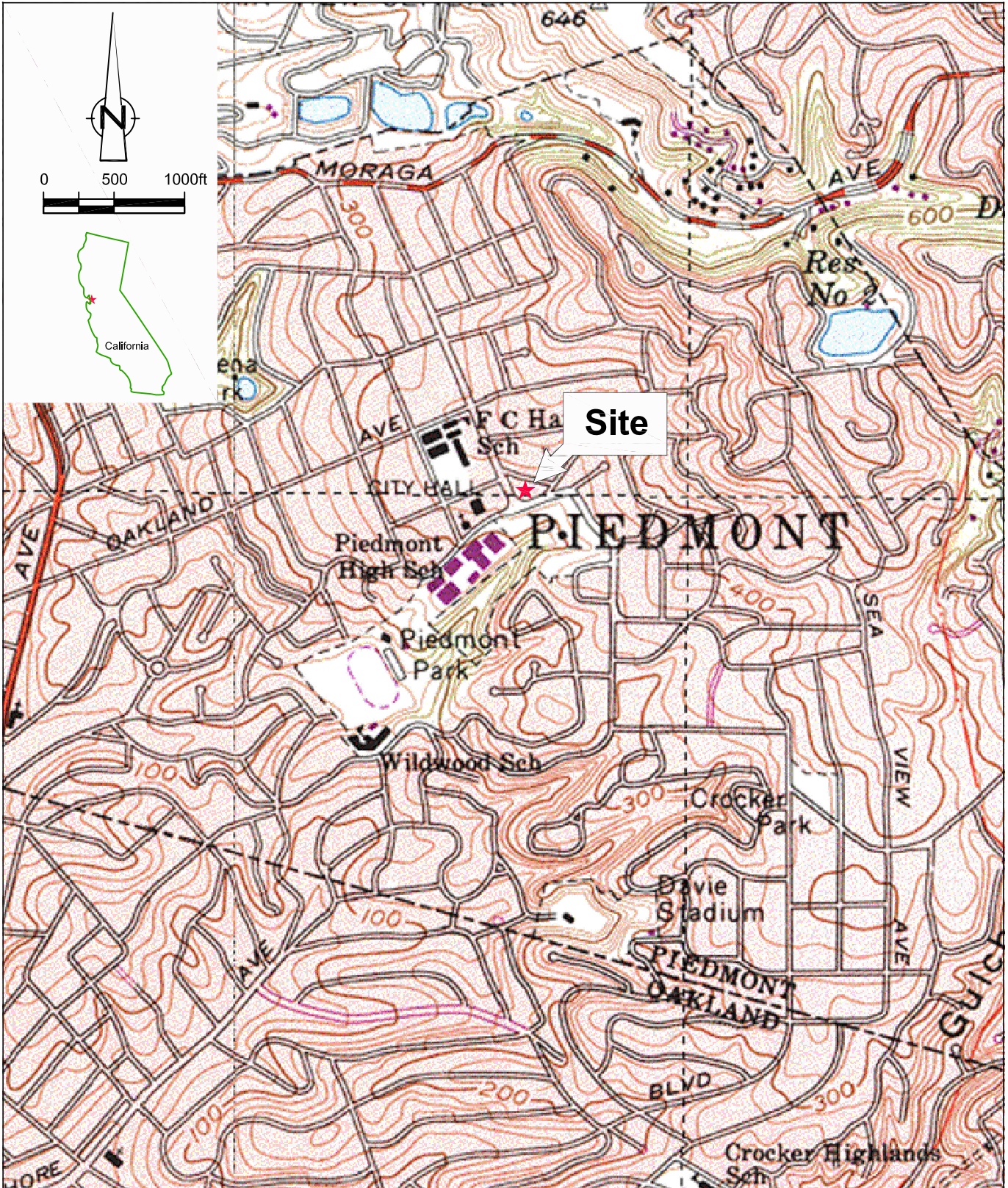


Figure 1
 VICINITY MAP
 FORMER CHEVRON STATION 9-0329
 340 HIGHLAND AVENUE
 Piedmont, California



ATTACHMENT A
REGULATORY LETTER



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

December 19, 2011

Mr. Dave Patten
Chevron Corporation
6111 Bollinger Canyon Rd, BR-Y-3608
San Ramon, CA 94583

(sent via electronic mail to DRPatten@chevron.com)

Mr. Howard Perera
340 Highland Drive
Piedmont, CA 94611

Mr. Ravi Randhawa
5501 San Antonio
Pleasanton, CA 94566

Mr. John Robinson
Hoffman Investment Company
1035 Edwards Road
Burlingame, CA 94010

Mr. Jeff Orwig
66 Ambleside Court
Danville, CA 94526

Mr. Fred Manchouri
1065 Shuey Drive
Moraga, CA 94556

Mr. Mir Ghafari
68 Bates Blvd.
Orinda, CA 94563

Subject: Request for Work Plan; Fuel Leak Case No. RO0000269; (Global ID # T0600101885);
Chevron #9-0329, 340 Highland Avenue, Piedmont, CA 94611

Dear Gentlemen:

Alameda County Environmental Health (ACEH) staff has reviewed the case file including the *Response to Technical Comments*, dated January 26, 2011, the *First Semi-Annual 2011 Groundwater Monitoring and Sampling Report*, dated May 24, 2011, and the *Second Semi-Annual 2011 Groundwater Monitoring and Sampling Report*, dated December 2, 2011. These documents were submitted on your behalf by Conestoga-Rovers & Associates (CRA). Thank you for submitting the documents and for the recent sampling of the City Well located at Piedmont Park across Highland Avenue at a distance of approximately 580 feet from the site. The results, non-detectable at standards limits of detection, indicate that the well is not currently impacted by contaminants associated with the site (TPHg, TPHd, BTEX, and MTBE). Previous results from January 2007 found 260 µg/l TPHd, 0.7 µg/l toluene, and 0.5 µg/l total xylenes in the water supply well. Thank you also for clarifying that the Grease Interceptor Drain and asphalt paving have been repaired and that water likely impacted is not daylighting and flowing into storm drains, as discussed in ACEH's previous directive letter of November 11, 2010. Based on the review of the case file ACEH requests that you address the following technical comments and send us the documents requested below.

TECHNICAL COMMENTS

- 1. Request for a Work Plan** – Review of site data appears to indicate the presence of up to 12 feet of sand fill at the locations of soil bores C-A, C-E, and well C-2. The fill, variously described as “blue sand” (C-2), or sand with shell and brick fragments (C-A and C-E), suggests the presence of either an undocumented UST basin, or a greatly expanded UST basin associated with the former waste oil UST. Review of the bore log and well construction details for well C-2 indicate apparently significantly impacted blue fill sand between approximately 1 foot and 11 feet below grade surface (bgs), and a well screen installed between 5 and 15 feet bgs. Groundwater at the site is generally encountered at a depth of 1 to 2.5 feet; thus the well screen appears to be submerged, as it would also be at wells C-1, C-3, and C-4. The presence of sheen and odor is noted on the Well Monitoring

Data Sheet for well C-2 for the recent September 2011 sampling event, while 5,900 µg/l TPHd, 4,700 µg/l TPHg, and 190 µg/l benzene were detected in groundwater collected from the submerged well. These data appear to confirm a significant onsite residual source. Because the UST pit has been generally unrecognized, it would be appropriate to conduct a geophysical survey for the presence of undocumented USTs at the site. Using grab groundwater concentrations (which tend to bias high) from downgradient soil bores HA-1 to HA-5, which were collected at a depth of 0.5 to 1.5 feet below grade surface as a guide to unmonitored residual concentrations above the well screen interval at well C-2, suggest that up to 38,000 µg/l TPHg, and 2,300 µg/l benzene, and etc. may be flowing offsite to preferential pathways or vicinity storm drains. The presence of continued residual contamination in close proximity to the station building indicates a need for a focused soil and groundwater investigation at the site. Because the size of the undocumented UST complex is not understood, and is in proximity to the station building, the investigation is additionally requested to include a soil vapor and sub-slab vapor sampling effort.

2. **Request for Information** – Because groundwater is very shallow at this bedrock site, it is reasonable to assume that the repaired Grease Interceptor Drain, which is plumbed to sanitary sewer, may be intercepting significantly impacted groundwater. Prior to the repair or installation of this drain, and based on the elevated results of grab groundwater samples collected in hand auger bores HA-1 to HA-5 (which appear to be placed downgradient of the current Grease Interceptor Drain location, and collected at a depth of 0.5 to 1.5 feet bgs) highly impacted groundwater may also have been, or currently is also, utilizing the sanitary sewer line beneath the sidewalk just downgradient of these bores as a preferential pathway (despite several previous attempts to collect samples along conduits). Regardless, in both instances groundwater appears to discharge to the sanitary sewer in some form or fashion. Previously, prior to the repair of the Grease Interceptor Drain, the surfacing water appears to have become a non-point source concern to the local creek. As a consequence, and in conjunction with the focused investigation requested above, ACEH requests more specific details on the construction of the Grease Interceptor Drain.
3. **Status of Well C-1** – The *Site Conceptual Model and Workplan*, dated October 21, 2003 stated that the status of well C-1 was unknown, and that there are no records of groundwater sampling or abandonment. The report recommended that an effort to find the well should be undertaken. A review of subsequent documents did not immediately indicate that this effort was undertaken. As a consequence, ACEH requests a status update of this well by the date identified below.
4. **Request for Point of Contact and Email Addresses** – If your email address is not listed on the first page of this letter, or in the list of cc's below, ACEH requests your email address to help expedite communications and to help lower overall costs. Please provide that information in your next submittal.

TECHNICAL REPORT REQUEST

Please submit the following deliverable to ACEH (Attention: Mark Detterman), according to the following schedule:

- **February 17, 2012** – Work Plan
- **60 Days After Work Plan Approval** – Soil and Groundwater Report (with soil and sub-slab vapor survey)

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.

Responsible Parties
RO0000269
December 19, 2011, Page 3

Should you have any questions, please contact me at (510) 567--6876 or send me an electronic mail message at mark.detterman@acgov.org.

Sincerely,



Digitally signed by Mark E. Detterman
DN: cn=Mark E. Detterman, o, ou, email,
c=US
Date: 2011.12.19 15:58:57 -08'00'

Mark E. Detterman, PG, CEG
Senior Hazardous Materials Specialist

Enclosures: Attachment 1 – Responsible Party (ies) Legal Requirements / Obligations
Electronic Report Upload (ftp) Instructions

cc: Nathan Lee, Conestoga-Rovers & Associates, 5900 Hollis Street, Suite A, Emeryville, CA 94608;
(sent via electronic mail to NLee@CRAworld.com)

Donna Drogos, ACEH, (sent via electronic mail to donna.drogos@acgov.org)
Mark Detterman, ACEH, (sent via electronic mail to mark.detterman@acgov.org)
Geotracker, Electronic File

Attachment 1

Responsible Party(ies) Legal Requirements / Obligations

REPORT REQUESTS

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

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of reports in electronic form. The electronic copy replaces paper copies and is expected to 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 Instructions." 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. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all 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 monitoring wells, and other data to the GeoTracker database over the Internet. Beginning July 1, 2005, these same reporting requirements were added to Spills, Leaks, Investigations, and Cleanup (SLIC) sites. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites is required in GeoTracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.swrcb.ca.gov/ust/electronic_submittal/report_rqmts.shtml).

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.

Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)	REVISION DATE: July 20, 2010
	ISSUE DATE: July 5, 2005
	PREVIOUS REVISIONS: October 31, 2005; December 16, 2005; March 27, 2009; July 8, 2010
SECTION: Miscellaneous Administrative Topics & Procedures	SUBJECT: Electronic Report Upload (ftp) Instructions

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.

REQUIREMENTS

- **Please do not submit reports as attachments to electronic mail.**
- Entire report including cover letter must be submitted to the ftp site as a **single portable document format (PDF) with no password protection.**
- It is **preferable** that reports be converted to PDF format from their original format, (e.g., Microsoft Word) rather than scanned.
- **Signature pages and perjury statements must be included and have either original or electronic signature.**
- **Do not password protect the document.** Once indexed and inserted into the correct electronic case file, the document will be secured in compliance with the County's current security standards and a password. **Documents with password protection will not be accepted.**
- Each page in the PDF document should be rotated in the direction that will make it easiest to read on a computer monitor.
- Reports must be named and saved using the following naming convention:

RO#_Report Name_Year-Month-Date (e.g., RO#5555_WorkPlan_2005-06-14)

Submission Instructions

- 1) Obtain User Name and Password
 - a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
 - i) Send an e-mail to dehloptoxic@acgov.org
 - b) In the subject line of your request, be sure to include "**ftp PASSWORD REQUEST**" and in the body of your request, include the **Contact Information, Site Addresses,** and the **Case Numbers (RO# available in Geotracker) you will be posting for.**
- 2) Upload Files to the ftp Site
 - a) Using Internet Explorer (IE4+), go to <ftp://alcoftp1.acgov.org>
 - (i) Note: Netscape, Safari, and Firefox browsers will not open the FTP site as they are NOT being supported at this time.
 - b) Click on Page located on the Command bar on upper right side of window, and then scroll down to Open FTP Site in Windows Explorer.
 - c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
 - d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
 - e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.
- 3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
 - a) Send email to dehloptoxic@acgov.org notify us that you have placed a report on our ftp site.
 - b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name @acgov.org. (e.g., firstname.lastname@acgov.org)
 - c) The subject line of the e-mail must start with the RO# followed by **Report Upload**. (e.g., Subject: RO1234 Report Upload) If site is a new case without an RO#, use the street address instead.
 - d) If your document meets the above requirements and you follow the submission instructions, you will receive a notification by email indicating that your document was successfully uploaded to the ftp site.