

Final

July 08, 2011

Review of Leaking Underground Storage Tank Cases Not in Cleanup Fund and Open Over 15 Years

**Santa Ana
Regional Water Quality Control Board
(RWQCB) – Region 8**

**Prepared as in-kind task as part of Cooperative Agreement LS-96934701-1 between
USEPA Region 9 and the California State Water Resources Control Board**

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Executive Summary

The Draft version of this report was submitted on June 10, 2010, with a request for a follow-up meeting and input from Santa Ana Regional Water Quality Control Board (RWQCB) Region 8 into the “Next Steps for Agency” column of the case cleanup status spreadsheet.

Santa Ana RWQCB (Region 8) met with USEPA Region 9 and its contractor, Tetra Tech, Inc., on February 02, 2011 to discuss the draft report and the lead agency’s next steps for each case. The agency acknowledged several challenges with these cases. A few of the challenges mentioned by Santa Ana RWQCB and conclusions from the meeting are:

- Approximately 41% (20 cases) of the cases reviewed does not appear to meet the definition of a Federal UST case (mostly solvent cases etc.). The agency indicated that these cases would not have been worked on if they were not listed under Leaking UST. Some of these cases began as Leaking UST cases, but subsequently had new releases from non-petroleum related source.
- Nine (9) cases are near completion; some pending confirmation sampling results.
- Nine (9) cases appear to be on track to cleanup closure and some reasons for delay were:
 - ✓ Identify responsible parties (RPs) and multiple RPs
 - ✓ On-going litigation
 - ✓ Major release and/or persistent contamination (i.e., free product)
 - ✓ Rebound in contamination concentration
 - ✓ Large complex site with multiple releases (i.e., airport)
 - ✓ Massive plume and off-site migration (part of a bigger cleanup effort)
 - ✓ Transferred from another lead agency
- One case appears not to be on track since there is on-going site monitoring and persistent free product. The agency admitted that it is unable to resolve the free product issue.
- Seven (7) cases appear to remain stuck mainly due to issues, as follows:
 - ✓ Recalcitrant or changing RPs
 - ✓ Cases transferred from other lead agencies with no or limited historical information and files
 - ✓ Funding issues
- Three (3) cases were transferred to Department of Toxic Substances Control (DTSC), as recommended.

In addition, Santa Ana RWQCB indicated that:

- The cases transferred to DTSC as the lead agency will remain open in GeoTracker since there is no status to reflect “transfer and closed” in GeoTracker. RWQCB is unable to remove these cases in GeoTracker.

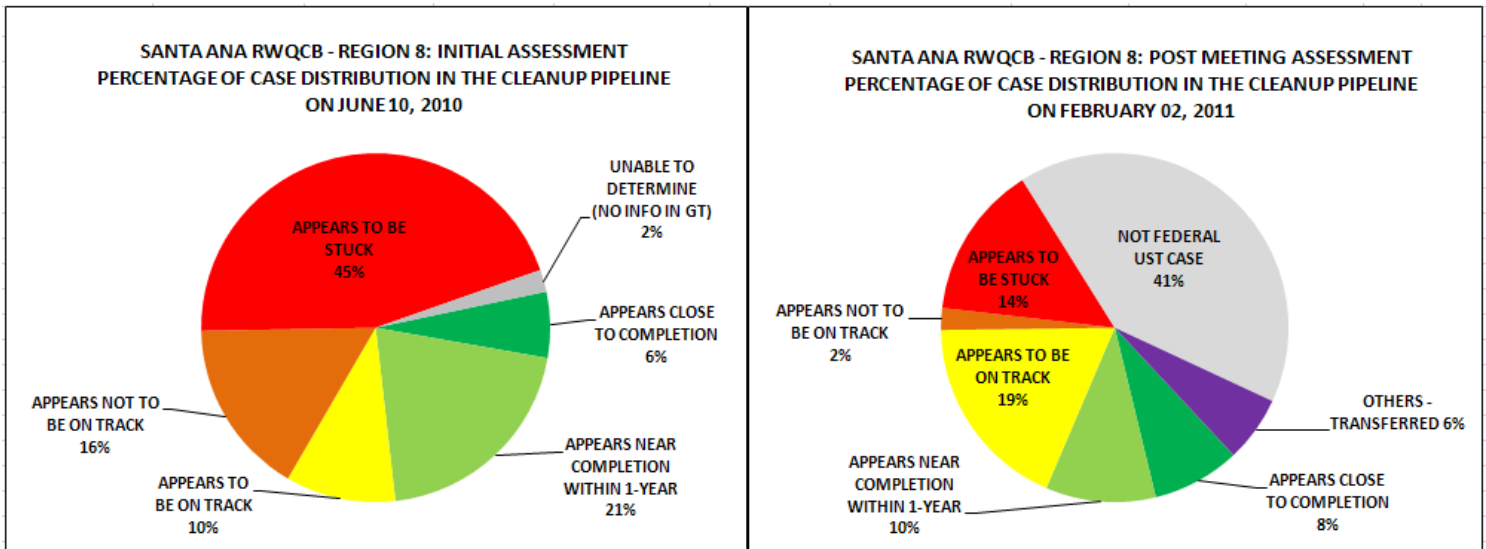
Santa Ana Regional Water Quality Control Board – Region 8 (RWQCB)

Apparent Case Status – Initial Review and After Discussion with Agency

TOTAL NUMBER OF CASES REVIEWED = 49
 NUMBER OF ACTIVE LUST CASE ON JUNE 1, 2010 = 796 CASES
 DRAFT REVIEW REPORT PREPARED AND SENT TO AGENCY ON JUNE 10, 2010
 HAD A MEETING WITH THE AGENCY TO DISCUSS CASES REVIEWED ON FEBRUARY 02, 2011

APPARENT STATUS OF CASES REVIEWED – INITIAL REVIEW AND AFTER MEETING TO DISCUSS CASES

| Apparent Case Status | Initial Assessment Number of Cases (06-10-2010) | Post Meeting Assessment Number of Cases (02-02-2011) |
|--|---|--|
| CASE CLOSED | 0 | 0 |
| Appears close to completion | 3 | 4 |
| Appears near completion within 1-year | 10 | 5 |
| Appears to be on track | 5 | 9 |
| Appears NOT to be on track | 8 | 1 |
| Appears to be stuck | 22 | 7 |
| Unable to determine (Insufficient information in GeoTracker) | 1 | 0 |
| NOT A FEDERAL UST CASE | 0 | 20 |
| OTHERS – Transferred to LA-RWQCB | 0 | 3 |



Updated Aging Non-CUF Case Review Summary Table

| ESTIMATED STATUS IN THE CLEANUP PIPELINE? (06-10-2010) | CHANGE IN STATUS IN THE CLEANUP PIPELINE (BASED ON MEETING/CALL WITH AGENCY) ON 02-02-2011 | SITE NAME (CASE LEAD AGENCY: SANTA ANA RWQCB - REGION 8) | GLOBAL ID | CASEWORKER | PRIMARY COC (In GeoTracker) | APPARENT TYPE OF RP | RELEASE DATE | DISCUSSION NOTES FROM MEETING/CALL (02-02-2011) | NEXT STEP FOR AGENCY (02/02/2011) * NOTES FROM AGENCY (02/02/2011) |
|--|--|--|-----------------------------|---------------------|-----------------------------|---|--------------|---|---|
| Appears close to completion | Appears close to completion | CONTAINER CORP. OF AMERICA | T0605900479 | Carl Bernhardt | Other | S - Small Private Business | 7/6/1987 | - Can be considered closed - Soil only residual - Approved WP/Assessment | Complete closure process in 1-year (includes well decommission) |
| Appears close to completion | Appears close to completion | MOBIL #18-793 | T0605901602 | Rose Scott | Gasoline | Z - Major Oil Company | 8/21/1992 | - Case remains open due to adjacent issue (ARCO) - Did a huge cleanup at site - Might be closed soon pending TBA numbers (~2,000-ppb) - Post remedial MNA | Complete closure process in 1-year (includes well decommission) |
| Appears close to completion | Appears to be stuck | MURAI FARMS | T0605901817 | Tom E. Mbeke-Ekanem | Gasoline | F - Farm/Agriculture | 10/24/1994 | - Recalcitrant RP (90-days letter ignored) - RB prefers to get RP back on case through City Counsel - City of Santa Ana wanted a well (City might have case file) - Elevate to enforcement? Administrative closure? EAR account? | Ensure RP compliance (includes identify RP, enforcement, EAR accounty etc.) |
| Appears near completion within 1-year | MIGHT NOT BE FEDERAL UST CASE | AUDIOMAGNETICS | T0605901307 | Carl Bernhardt | Solvent | S - Small Private Business | 12/31/1983 | - MIGHT NOT BE FEDERAL UST - Site was closed, then found free product (unknown source) - Orange County LOP transferred case to RB - Case started as solvent (stoddard type tank) - Needs more definition prior to closure | Verify if the case is warranted (i.e., is a Federal UST case) |
| Appears near completion within 1-year | Appears near completion within 1-year | NCS Stop & Go #0132 (BEACON/NCS 13349) | T0606500252 | Carl Bernhardt | Gasoline | S - Small Private Business | 3/20/1985 | - Confirmation sampling for closure | Complete closure process in 1-year (includes well decommission) |
| Appears near completion within 1-year | MIGHT NOT BE FEDERAL UST CASE | California Rehab Center | T0606500007 | Tom E. Mbeke-Ekanem | MTBE | G - Government Entity (include School, Hospital, Utility) | 2/24/1987 | - MIGHT NOT BE FEDERAL UST (SOLVENT) - Not a priority site - Site located in an area with huge nitrate issue - Not located in area of beneficial GW use - TDS ~10,000-15,000; MTBE decreased to 490-ppb - Current remediation: SVE | Verify if the case is warranted (i.e., is a Federal UST case) |
| Appears near completion within 1-year | MIGHT NOT BE FEDERAL UST CASE | CIRCLE SEAL CONTROLS | T0605900550 | Carl Bernhardt | Other | S - Small Private Business | 10/7/1987 | - MIGHT NOT BE FEDERAL UST - Site is currently a church - Source of VOC remains unknown - Doing long term MNA - Orange County Water District is concern about this site | Verify if the case is warranted (i.e., is a Federal UST case) |

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| Appears near completion within 1-year | MIGHT NOT BE FEDERAL UST CASE | BFM ENERGY PRODUCTS CORP. | T0605900807 | Carl Bernhardt | Solvent | S - Small Private Business | 4/15/1988 | - MIGHT NOT BE FEDERAL UST (SOLVENT) - May move case to SLIC | Verify if the case is warranted (i.e., is a Federal UST case) |
| Appears near completion within 1-year | Appears near completion within 1-year | ARCO #5214 | T0607100180 | Valerie Jahn-Bull | Gasoline | Z - Major Oil Company | 7/27/1989 | - Case is ready for closure pending confirmation sampling | Complete closure process in 1-year (includes well decommission) |
| Appears near completion within 1-year | Appears near completion within 1-year | PERRIS AUTO REPAIR | T0606500308 | Nancy Olson-Martin | Gasoline | G - Government Entity (include School, Hospital, Utility) | 1/28/1993 | - Closure pending post remedial results - RP could not get in CUF - Adjacent to Unocal site, in mixed commercial use area - Oct 2010: Huge excavation on both properties - waiting for excavation report - Post remedial monitoring - Two replacement wells | Complete closure process in 1-year (includes well decommission) |
| Appears near completion within 1-year | Appears close to completion | MOBIL #18-FHE | T0605900668 | Rose Scott | Gasoline | Z - Major Oil Company | 3/17/1994 | - ETIC (consultant) Closure Report has lots of errors and requested to re-submit - Case can be closed by the end of fiscal year | Complete closure process in 1-year (includes well decommission) |
| Appears near completion within 1-year | Appears near completion within 1-year | REDMAN PROPERTY | T0606500134 | Nancy Olson-Martin | Gasoline | G - Government Entity (include School, Hospital, Utility) | 2/2/1994 | - Minor MTBE (110-ppb) and benzene (1,700-ppb) - County sold site with contamination to a couple, and litigation resulted in County re-purchasing property - Issue with County fund to do work - CAP due soon (March 2011) - Plume is defined - Riverside County referred case to RWQCB in 1997 - Site is an old maintenance yard - Old tanks (could not show tank permits) | Push for new/additional remedial investigation (RI)/risk assessment |
| Appears near completion within 1-year | Appears to be on track | LEVITZ FURNITURE | T0607100391 | Carl Bernhardt | Other | S - Small Private Business | 10/11/1995 | - Site was transferred from San Bernardino County LOP - Still producing (1-lbs/hr) from vapor extraction | Continue remediation until low-risk criteria is met |

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|--|--|---|-----------------------------|---------------------|-----------------------------|------------------------------------|--------------|--|---|
| Appears to be on track | Appears to be on track | WRIGHT PETROLEUM (AKA G&M Oil Company Station #40) | T0605900466 | Nancy Olson-Martin | Diesel | S - Small Private Business | 6/13/1986 | <ul style="list-style-type: none"> - Litigation involves 12 parties (resolved, and now another litigation) - Located at boundary of Regions 8 and 9 - Has massive plume - comingled with G&M Oil (G&M Oil qualifies for CUF, but in D) - Began ozone treatment (due Jan 2011), but changing the entire system - Looking at excavation (remove source), but CUF will not fund it - Initial release is diesel and gasoline, but now, main COC is fule oxygenates (TBA ~25,000-ppb) | Continue remediation until low-risk criteria is met |
| Appears to be on track | MIGHT NOT BE FEDERAL UST CASE | CONEXANT SYSTEMS, INC. (FORMER ROCKWELL INTL SEMI-CONDUCT DIV.) | T0605900822 | Carl Bernhardt | Solvent | S - Small Private Business | 3/16/1987 | <ul style="list-style-type: none"> - MIGHT NOT BE FEDERAL UST (SOLVENT) - Solvent UST tank - VES - source area | Verify if the case is warranted (i.e., is a Federal UST case) |
| Appears to be on track | MIGHT NOT BE FEDERAL UST CASE | J.C. CARTER CO., INC. | T0605900153 | Rose Scott | Other | S - Small Private Business | 3/27/1987 | <ul style="list-style-type: none"> - MIGHT NOT BE FEDERAL UST (SOLVENT) - Solvent TCE case - Current issue appears not to be from tank releases - Lots of litigation - Needs to move to SLIC | Verify if the case is warranted (i.e., is a Federal UST case) |
| Appears to be on track | MIGHT NOT BE FEDERAL UST CASE | HUGHES AIRCRAFT CO-SOLID PROD. | T0605900648 | Carl Bernhardt | Solvent | I - Industry (Railroad, Steel etc) | 2/2/1988 | <ul style="list-style-type: none"> - MIGHT NOT BE FEDERAL UST (SOLVENT) - Site is in long term cleanup - Release from underground waste tank - Sticky TCE - might have to do pump-and-treat for hydraulic control since vapor extraction has done all it can - DTSC also doing some work at site and has a site up-gradient (originally a DTSC site) - Finding contamination in 1,000-ft wells - Needs to move to SLIC | Verify if the case is warranted (i.e., is a Federal UST case) |
| Appears to be on track | Appears near completion within 1-year | TESORO /TARGET STORE T-293 | T0605901585 | Tom E. Mbeke-Ekanem | Gasoline | Z - Major Oil Company | 9/9/1992 | <ul style="list-style-type: none"> - Received closure request - May need one more confirmation boring | Complete closure process in 1-year (includes well decommission) |

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| Appears NOT to be on track | MIGHT NOT BE FEDERAL UST CASE | BOEING (FORMER MCDONNELL DOUGLAS ASTRONAUTICS) | T0605900184 | Carl Bernhardt | Solvent | S - Small Private Business | 10/21/1986 | <ul style="list-style-type: none"> - MIGHT NOT BE FEDERAL UST (SOLVENT) - Solvent case (RCRA Subtitle C) - big cleanup - Unsure if initially a solvent waste or product - 5 water bearing zones - has potential impact to drinking water - Main source from Building 41 - Long term cleanup - Needs to flag in GeoTracker (move to SLIC) | Verify if the case is warranted (i.e., is a Federal UST case) |
| Appears NOT to be on track | MIGHT NOT BE FEDERAL UST CASE | AKZO NOBEL COATING INC. | T0605900255 | Carl Bernhardt | Other | I - Industry (Railroad, Steel etc) | 12/5/1986 | <ul style="list-style-type: none"> - MIGHT NOT BE FEDERAL UST (SOLVENT) - Current cleanup for non-chlorinated solvent (toluene) - Leak from old wooden storage tank - Site has huge release - long term MNA - No water quality impact - 26-ft of free product - Needs to flag in GeoTracker (move to SLIC) | Verify if the case is warranted (i.e., is a Federal UST case) |
| Appears NOT to be on track | MIGHT NOT BE FEDERAL UST CASE | CROWN COACH INTERNATIONAL | T0607100070 | Carl Bernhardt | Solvent | S - Small Private Business | 6/5/1987 | <ul style="list-style-type: none"> - MIGHT NOT BE FEDERAL UST (SOLVENT) - Solvent (unsure of initial UST type?) - Installing 3 wells to get closure - Workplan to monitor offsite - Concern about chlorination - Long term MNA | Verify if the case is warranted (i.e., is a Federal UST case) |
| Appears NOT to be on track | MIGHT NOT BE FEDERAL UST CASE | ROHR INDUSTRIES, INC. | T0606500068 | Carl Bernhardt | Multiple | I - Industry (Railroad, Steel etc) | 8/22/1988 | <ul style="list-style-type: none"> - MIGHT NOT BE FEDERAL UST (SOLVENT) - Complex and geologically difficult site ("nightmare to clean up") - Recently completed the delineation - site has on-going activities - Source is 1,1,1-TCA product tank (found in 1982) - Former FUD site (Army Corp) - 100-ft into deep granite (decomposed granite) - More like a Superfund case (remediating 20-years out) - Long term case | Verify if the case is warranted (i.e., is a Federal UST case) |
| Appears NOT to be on track | Appears NOT to be on track | RIVERSIDE PARTNERS (Riverside National Bank) | T0606500199 | Carl Bernhardt | Gasoline | Z - Major Oil Company | 7/25/1990 | <ul style="list-style-type: none"> - Still has free product (free product monitoring) - Has on-going site monitoring - Surfactant on both properties (Unocal) - finger pointing - No data in GeoTracker - Unable to resolve free product issue | Push for additional/alternate remediation (current remediation ineffective) |

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|--|--|--|-----------------------------|------------|-----------------------------|---|--------------|--|--|
| Appears NOT to be on track | Appears close to completion | MOBIL #18-HTY | T0606500478 | Rose Scott | Gasoline | Z - Major Oil Company | 7/25/1991 | - Site is in verification monitoring - Close to closure | Complete closure process in 1-year (includes well decommission) |
| Appears NOT to be on track | Appears to be on track | MOBIL #18-FNW | T0606500316 | Rose Scott | Gasoline | Z - Major Oil Company | 4/16/1993 | - Case was transferred from Riverside County LOP - Site has narrow and long plume, migrating off-site (complicated site) - Recently did an excavation and ozone sparging - MTBE is good, but high TPH and benzene - Unsure why case is not in CUF - Consultant not updating GeoTracker | Continue remediation until low-risk criteria is met |
| Appears NOT to be on track | Appears to be on track | MOBIL FAC. #04-086 /COLTON TER | T0607100402 | Rose Scott | Gasoline | Z - Major Oil Company | 4/12/1993 | - Site has free product (450,000-gal recovered) - Unsure of the source of free product (from USTs or ASTs) - Part of a bigger cleanup effort - Colton Terminal Bloomington - Adjacent SLIC sites (Unocal - Cleanup and Abatement Order) | Push for new/additional remedial investigation (RI)/risk assessment |
| Appears to be stuck | Appears to be on track | ORANGE COUNTY FIRE STATION #33 | T0605900437 | Rose Scott | Gasoline | G - Government Entity (include School, Hospital, Utility) | 9/2/1986 | - Case is part of the John Wayne Airport (T0605901723 closed on 3/16/2010) and Santa Ana Tower FAA (T0605900442) - Needs to consolidate case with John Wayne Airport and Orange County Fire Station | Update missing GT information (data, report, unassigned caseworker etc.) |
| Appears to be stuck | Appears to be on track | SANTA ANA TOWER F.A.A. | T0605900442 | Rose Scott | Other | G - Government Entity (include School, Hospital, Utility) | 4/6/1987 | - Case is part of the John Wayne Airport (T0605901723 closed on 3/16/2010) and Santa Ana Tower FAA (T0605900442) - All document in GeoTracker under John Wayne Airport Fire Station #33 - Site is complicated by presence of solvents - Conflict of interest issue - West side has McDonnell Douglas (near fuel farm) - Low priority water resource area - Has ethanol in water (ethanol plume helped migration of chlorinated solvents) - Needs to consolidate with J.W Airport and O.C Fire Station - Needs to consolidate case with John Wayne Airport and Orange County Fire Station | Update missing GT information (data, report, unassigned caseworker etc.) |

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|--|--|--|-----------------------------|--------------------|-----------------------------|----------------------------|--------------|--|---|
| Appears to be stuck | Appears to be stuck | ARLINGTON AUTOMOTIVE | T0608500071 | Valerie Jahn-Bull | Gasoline | S - Small Private Business | 8/5/1987 | - RP passed away and daughter is very ill - Initial sampling has little contamination (no MTBE data) - Case is potentially closeable, but RP needs assistance | Ensure RP compliance (includes identify RP, enforcement, EAR accounty etc.) |
| Appears to be stuck | MIGHT NOT BE FEDERAL UST CASE | HUGHES AIRCRAFT COMPANY - GSG | T0605900143 | Carl Bernhardt | Other | S - Small Private Business | 1/15/1987 | - MIGHT NOT BE FEDERAL UST (SOLVENT) - Underground clarifier, fuel and waste tanks - acetone, BTEX - Hughes Newport Beach was a DTSC site, but since DTSC did not work on the case, RB took it back - Hospital/Medical Center at site - Bio-enhanced - vapor intrusion issue - Long term to closure | Verify if the case is warranted (i.e., is a Federal UST case) |
| Appears to be stuck | MIGHT NOT BE FEDERAL UST CASE | STEELCASE, INC. WESTERN DIV. | T0605900308 | Carl Bernhardt | Solvent | S - Small Private Business | 1/28/1987 | - MIGHT NOT BE FEDERAL UST (SOLVENT) - Strictly chlorinate solvent site (tank that stored solvents) - Re-starting remediation system - concentration rebounded after shutting down system - Keeping site open due to Orange County legal site - New lower (deeper) wells - assessing lower water bearing zone - Needs to flag in GeoTracker (not Federal UST) | Verify if the case is warranted (i.e., is a Federal UST case) |
| Appears to be stuck | MIGHT NOT BE FEDERAL UST CASE | ASTECH FACILITY | T0605900376 | Carl Bernhardt | Solvent | S - Small Private Business | 6/8/1987 | - MIGHT NOT BE FEDERAL UST (SOLVENT) - In 1982, release from (1,500-gal metal UST) nitrate acid tank - Co-mingled plume - tie to BFM site - Long term cleanup due to sticky solvent case - Move site to SLIC | Verify if the case is warranted (i.e., is a Federal UST case) |
| Appears to be stuck | MIGHT NOT BE FEDERAL UST CASE | PRUDENTIAL (FORMER BECKMAN) | T0605901027 | Nancy Olson-Martin | Solvent | S - Small Private Business | 7/20/1987 | - MIGHT NOT BE FEDERAL UST (SOLVENT) - Large site surface spill from tanks - PCE/TCE (RCRA Subtitle I), also in storm drain - In 1986, site began with 3 diesel fuel tanks removed, and now is a solvent site (PCE ~1,000-ppb) - Site is in post-remedial monitoring (natural attenuation) - Needs to flag in GeoTracker (not Federal UST) | Verify if the case is warranted (i.e., is a Federal UST case) |

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|--|--|--|-----------------------------|--------------------|-----------------------------|----------------------------|--------------|---|---|
| Appears to be stuck | MIGHT NOT BE FEDERAL UST CASE | UNISYS/MEMOREX | T0605901091 | Carl Bernhardt | Other | S - Small Private Business | 7/20/1987 | <ul style="list-style-type: none"> - MIGHT NOT BE FEDERAL UST (SOLVENT) - Solvent - case started as old UST waste tank - Big plume - Orange County Water District concern about site being closed due to its pending lawsuit - RP wants closure (cannot close due to adjacent property's pending lawsuit) - Property redeveloped - Investigation based on where old tank footprint was located - Need to flag site in GeoTracker (not Federal UST) | Verify if the case is warranted (i.e., is a Federal UST case) |
| Appears to be stuck | MIGHT NOT BE FEDERAL UST CASE | ITT CANNON | T0605900424 | Nancy Olson-Martin | Other | S - Small Private Business | 7/27/1988 | <ul style="list-style-type: none"> - MIGHT NOT BE FEDERAL UST (SOLVENT) - In 1985, waste oil tank removed, and current COC are PCBs, halogenated soils and surface water (PCE< TCE, PCBs), VOCs at 15-ft under building - Site is part of TCE plume study area by O.C Water District - Source at die cast process area (stopped) - Site primarily has solvent - TCE and PCE migrated through other properties - New manager is very pro-active - Site sampling results (70 soil-GW samples) due March 2011 - Aquifer testing for hydraulic containment | Verify if the case is warranted (i.e., is a Federal UST case) |
| Appears to be stuck | Appears to be on track | SEARS, ROEBUCK AND COMPANY | T0605900889 | Rose Scott | Gasoline | S - Small Private Business | 12/28/1988 | <ul style="list-style-type: none"> - Site has persistent free product (site has fine grained material) - Originally Santa Ana's case - Currently doing pilot study on ozone injection - Needs major excavation to move case towards closure - but NAPL contamination trapped under a parking lot - Barely noticeable progress at site - long term cleanup | Push for additional/alternate remediation (current remediation ineffective) |
| Appears to be stuck | Appears to be stuck | ALPHA AUTO SALES | T0605900978 | Nancy Olson-Martin | Gasoline | S - Small Private Business | 7/11/1989 | <ul style="list-style-type: none"> - Case is really STUCK - needs to (1) obtain case file from OC LOP, and (2) get RP to claim responsibility - RP is Small Business Administration (Fed Government) - unable to get case claimed by RP - Property went back to SBA on a defaulted SBA loan (look at lender liability rules) - Case was referred by the County (around 90s) - Case file is missing (might be at OC-LOP) - Soil only residual - approved WP/Assessment | Ensure RP compliance (includes identify RP, enforcement, EAR accounty etc.) |

Updated Aging Non-CUF Case Review Summary Table

| ESTIMATED STATUS IN THE CLEANUP PIPELINE? (06-10-2010) | CHANGE IN STATUS IN THE CLEANUP PIPELINE (BASED ON MEETING/CALL WITH AGENCY) ON 02-02-2011 | SITE NAME (CASE LEAD AGENCY: SANTA ANA RWQCB - REGION 8) | GLOBAL ID | CASEWORKER | PRIMARY COC (In GeoTracker) | APPARENT TYPE OF RP | RELEASE DATE | DISCUSSION NOTES FROM MEETING/CALL (02-02-2011) | NEXT STEP FOR AGENCY (02/02/2011) * NOTES FROM AGENCY (02/02/2011) |
|--|--|--|-----------------------------|---------------------|-----------------------------|---|--------------|---|---|
| Appears to be stuck | Appears to be stuck | CIRCLE K #0339 | T0606500157 | Carl Bernhardt | Gasoline | Z - Major Oil Company | 10/4/1989 | <ul style="list-style-type: none"> - Case in EAR account - RP issue (new property owner) - held up due to contracting, and funding issue - Judy Reid has spoken to property owner - Carl's is downgradient and refuse access on property for well - CUF wants less sampling than what has been done - Impact from up-gradient McDonald (in GT as a new case) - site is not fully defined | Ensure RP compliance (includes identify RP, enforcement, EAR accounty etc.) |
| Appears to be stuck | Appears to be stuck | ANAHEIM REDEVELOPMENT AGENCY | T0605901198 | Carl Bernhardt | Diesel | G - Government Entity (include School, Hospital, Utility) | 6/22/1990 | <ul style="list-style-type: none"> - Recalcitrant RP - will not comply - Site has been redeveloped into residential - Left BTEX in place - Well cross gradient not defined - RB wants down-gradient well - Old files are not in GeoTracker - Brownfield Fund/OSCA money? - RB will prod RP again to re-start case | Ensure RP compliance (includes identify RP, enforcement, EAR accounty etc.) |
| Appears to be stuck | MIGHT NOT BE FEDERAL UST CASE | PACIFIC SCIENTIFIC | T0605901102 | Carl Bernhardt | Other | I - Industry (Railroad, Steel etc) | 3/20/1990 | <ul style="list-style-type: none"> - MIGHT NOT BE FEDERAL UST (SOLVENT) - Site has on-going remediation - Only UST is a wastewater tank - stored wastewater before it went into sewer - COC is TCE - Flag site in GeoTracker | Verify if the case is warranted (i.e., is a Federal UST case) |
| Appears to be stuck | MIGHT NOT BE FEDERAL UST CASE | ORNYTE FIBERGLASS | T0607100168 | Carl Bernhardt | Solvent | I - Industry (Railroad, Steel etc) | 1/25/1990 | <ul style="list-style-type: none"> - MIGHT NOT BE FEDERAL UST (SOLVENT) - Case was re-opened in 1998 due to chlorinated solvents (original tank closure in 1990) - RB commented that solvent cases do not get funding (compared to LUST cases) and keeps solvent cases as they do work on them - No report for site - only has lab data from tank removal - Solvent case - consider transferring to DTSC | Verify if the case is warranted (i.e., is a Federal UST case) |
| Appears to be stuck | TRANSFERRED TO DTSC | SAFETY-KLEEN CORPORATION | T0605901155 | Tom E. Mbeke-Ekanem | Other | I - Industry (Railroad, Steel etc) | 5/8/1990 | <ul style="list-style-type: none"> - Changed lead agency to DTSC - Stoddard solvent site - RB unable to take case off the open case list in GeoTracker (needs new status "transfer and closed" in GT) - Case transferred to DTSC | * Change GeoTracker Case Type from "LUFT" to "UST Cleanup" |

Updated Aging Non-CUF Case Review Summary Table

| ESTIMATED STATUS IN THE CLEANUP PIPELINE? (06-10-2010) | CHANGE IN STATUS IN THE CLEANUP PIPELINE (BASED ON MEETING/CALL WITH AGENCY) ON 02-02-2011 | SITE NAME (CASE LEAD AGENCY: SANTA ANA RWQCB - REGION 8) | GLOBAL ID | CASEWORKER | PRIMARY COC (In GeoTracker) | APPARENT TYPE OF RP | RELEASE DATE | DISCUSSION NOTES FROM MEETING/CALL (02-02-2011) | NEXT STEP FOR AGENCY (02/02/2011) * NOTES FROM AGENCY (02/02/2011) |
|--|--|--|-----------------------------|---------------------|-----------------------------|---|--------------|--|---|
| Appears to be stuck | Appears to be on track | MUSICK BRANCH JAIL | T0605901583 | Rose Scott | Gasoline | G - Government Entity (include School, Hospital, Utility) | 9/3/1992 | <ul style="list-style-type: none"> - 2000 data appears closeable, then staffing change (RP contact), follow by recent spike in concentrations - Recent data high in GW concentrations - probably from soil since contamination was left in place - Site has on-going activities to cleanup soil - CAP for VES due March 15 - GW being monitored | Continue remediation until low-risk criteria is met |
| Appears to be stuck | Appears to be stuck | NEWPORT HYDRAULICS | T0605901589 | Rose Scott | Other | I - Industry (Railroad, Steel etc) | 9/21/1992 | <ul style="list-style-type: none"> - Case was not officially transferred from City of Santa Ana (~1-year ago) - Needs to get case file from Santa Ana - NOTE: Half of City of Santa Ana's transferred cases might be closed but not recorded correctly in GeoTracker | Update missing GT information (data, report, unassigned caseworker etc.) |
| Appears to be stuck | MIGHT NOT BE FEDERAL UST CASE | VENUS LABORATORIES | T0605901513 | Tom E. Mbeke-Ekanem | Other | S - Small Private Business | 2/10/1993 | <ul style="list-style-type: none"> - MIGHT NOT BE FEDERAL UST (SOLVENT) - Recalcitrant RP (financial hardship, slow to respond and has problematic consultant) - Site is near the coast (Huntington Beach) and current activity is soap making (citrus based soap - degreaser) - RP claimed they never handled solvent - Principle COC is TBA (level is a little higher to close site) - RP may plan to excavate - not good since site is located near coast - Waiting for RP to propose a different remedial option - long term MNA? - Unsure of site's CUF qualification | Verify if the case is warranted (i.e., is a Federal UST case) |
| Appears to be stuck | Appears to be stuck | B AND D AUTOMOTIVE | T0606500361 | Carl Bernhardt | Gasoline | U - Unknown | 2/17/1994 | <ul style="list-style-type: none"> - Current RP is unknown - refers site back to land owner - Site is held up by funding - consider CUF and EAR account (need to notify land owner and RP) - Site has no characterization - Refers to Judy Reid for funding advise? | Ensure RP compliance (includes identify RP, enforcement, EAR accounty etc.) |
| Appears to be stuck | TRANSFERRED TO DTSC | SAFETY-KLEEN | T0605901829 | Tom E. Mbeke-Ekanem | Other | I - Industry (Railroad, Steel etc) | 7/1/1994 | <ul style="list-style-type: none"> - Changed lead agency to DTSC - Stoddard solvent site - RB unable to take case off the open case list in GeoTracker (needs new status "transfer and closed" in GT) - Case transferred to DTSC | * Change GeoTracker Case Type from "LUFT" to "UST Cleanup" |

Updated Aging Non-CUF Case Review Summary Table

| ESTIMATED STATUS IN THE CLEANUP PIPELINE? (06-10-2010) | CHANGE IN STATUS IN THE CLEANUP PIPELINE (BASED ON MEETING/CALL WITH AGENCY) ON 02-02-2011 | SITE NAME (CASE LEAD AGENCY: SANTA ANA RWQCB - REGION 8) | GLOBAL ID | CASEWORKER | PRIMARY COC (In GeoTracker) | APPARENT TYPE OF RP | RELEASE DATE | DISCUSSION NOTES FROM MEETING/CALL (02-02-2011) | NEXT STEP FOR AGENCY (02/02/2011) * NOTES FROM AGENCY (02/02/2011) |
|--|--|--|-----------------------------|---------------------|-----------------------------|------------------------------------|--------------|---|---|
| Appears to be stuck | TRANSFERRED TO DTSC | SAFETY-KLEEN CORPORATION | T0607100369 | Tom E. Mbeke-Ekanem | Other | I - Industry (Railroad, Steel etc) | 1/10/1994 | <ul style="list-style-type: none"> - Changed lead agency to DTSC - Stoddard solvent site - RB unable to take case off the open case list in GeoTracker (needs new status "transfer and closed" in GT) - Case transferred to DTSC | * Change GeoTracker Case Type from "LUFT" to "UST Cleanup" |
| Unable to determine (Insufficient information in GeoTracker) | Appears to be on track | JACK IN THE BOX | T0605900788 | Rose Scott | Gasoline | U - Unknown | 7/20/1988 | <ul style="list-style-type: none"> - Issue with identifying RP(s) - former owner passed away - Site was a gas station (Texaco) - redeveloped into fast-food restaurant - No tanks on site but found contamination - 2005 CUF application problem (now in CUF) | Ensure RP compliance (includes identify RP, enforcement, EAR accounty etc.) |

Attachment 1

Draft Report (June 10, 2010)

**Review of Leaking Underground Storage Tank (LUST) Cases
(Not in Cleanup Fund and Open Over 15 Years)**

The contents of this attachment are provided in electronic format only

Draft

June 10, 2010

**Review of Leaking Underground
Storage Tank (LUST) Cases
(Not in Cleanup Fund and Open Over 15 Years)**

**Santa Ana
Regional Water Quality Control Board
(Region 8) Cases**

**Prepared as in-kind task as part of
Cooperative Agreement LS-96934701-1 between
USEPA Region 9 and
the California State Water Resources Control Board**

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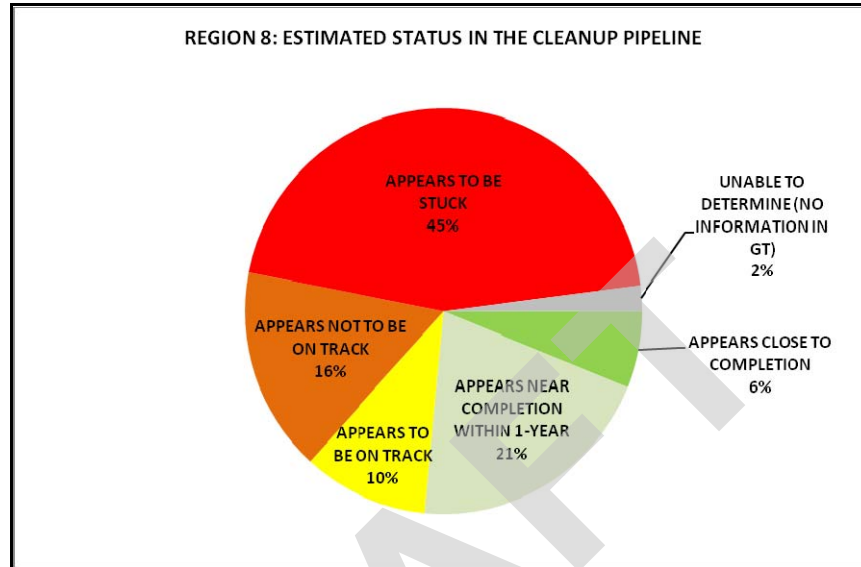
**SANTA ANA RWQCB (REGION 9) OPEN LEAKING UST: NON-CUF, OLDER (OPEN>15 YEARS),
AND DEEMED "NOT READY FOR CLOSURE – FINAL" CASES IN GEOTRACKER
(DATA IN GEOTRACKER, JUNE 2010)**

SUMMARY OF CASE REVIEW

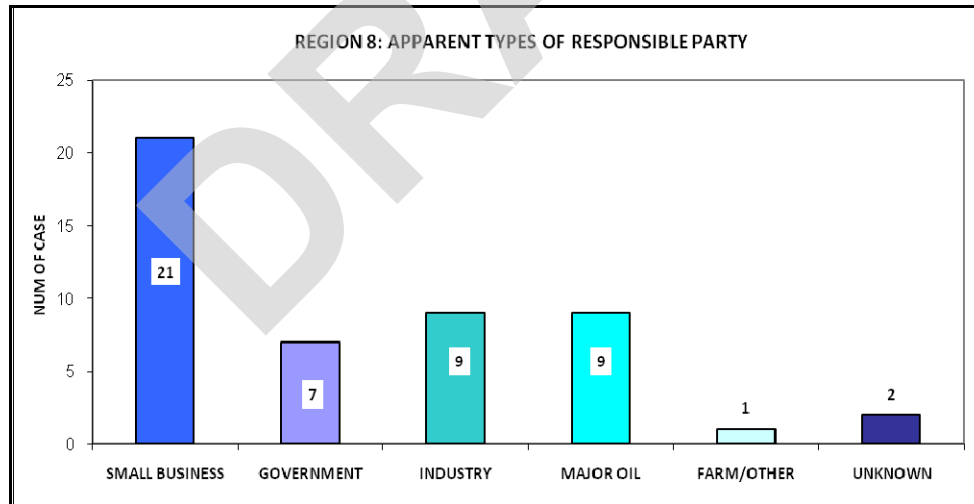
TOTAL NUMBER OF CASES REVIEWED = 49

NUMBER OF ACTIVE LUST CASE ON JUNE 1, 2010 = 796 CASES

1) APPARENT STATUS OF CASES REVIEWED



2) RESPONSIBLE PARTY TYPES

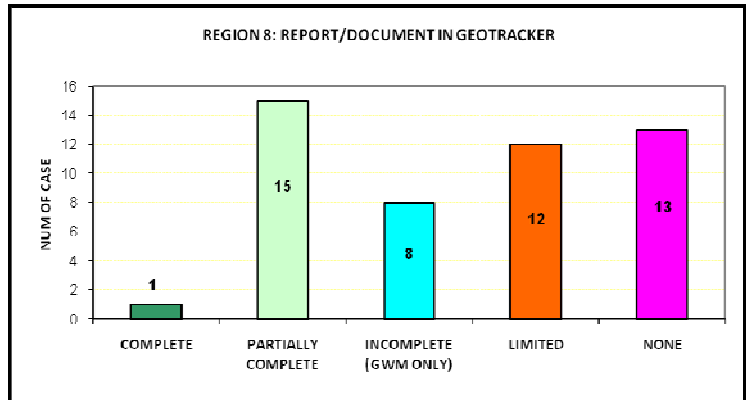
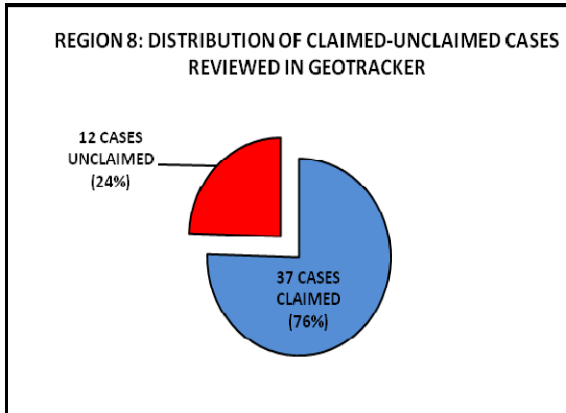


3) APPARENT MAIN BARRIERS (ENVIRONMENTAL AND NON-ENVIRONMENTAL) TO CLOSURE

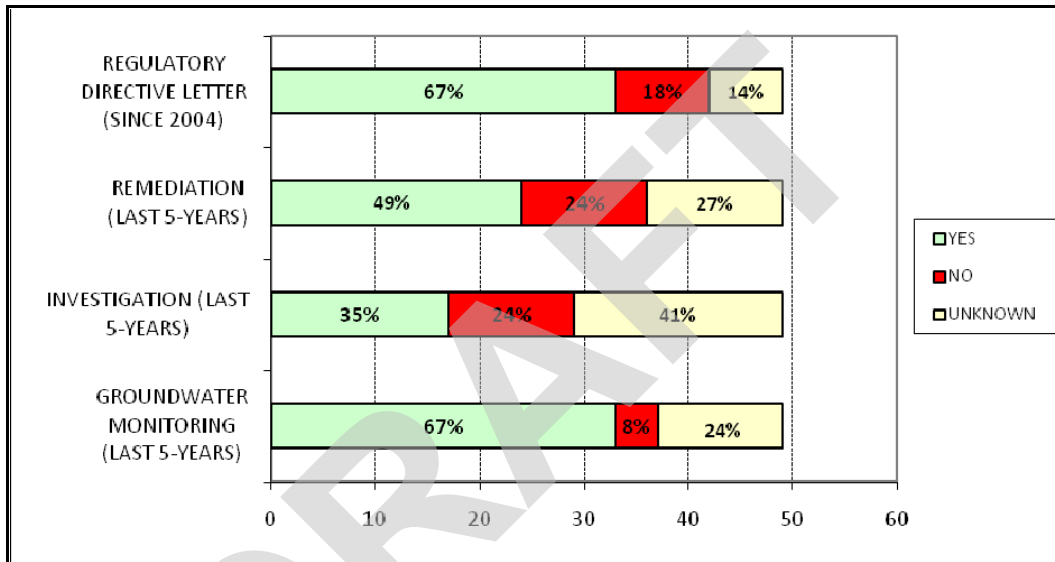
| RANK | ENVIRONMENTAL | NUM OF CASE | % OF CASE REVIEWED |
|------|--|-------------|--------------------|
| 1 | INCOMPLETE ASSESSMENT | 21 | 43% |
| 2 | REMEDIAL CONFIRMATION | 14 | 29% |
| 3 | OTHER | 11 | 22% |
| 4 | NEARBY WELL/OTHER RECEPTORS | 2 | 4% |
| 5 | CA POLICY (WATER QUALITY OBJECTIVES NOT MET) | 1 | 2% |

| RANK | NON-ENVIRONMENTAL | NUM OF CASE | % OF CASE REVIEWED |
|------|-----------------------|-------------|--------------------|
| 1 | UNKNOWN | 15 | 31% |
| 2 | OTHER | 9 | 18% |
| 3 | NONE | 8 | 16% |
| 4 | NO DATA IN GEOTRACKER | 7 | 14% |
| 5 | NON-RESPONSIVE RP | 7 | 14% |
| 6 | FINANCIAL HARDSHIP | 3 | 6% |

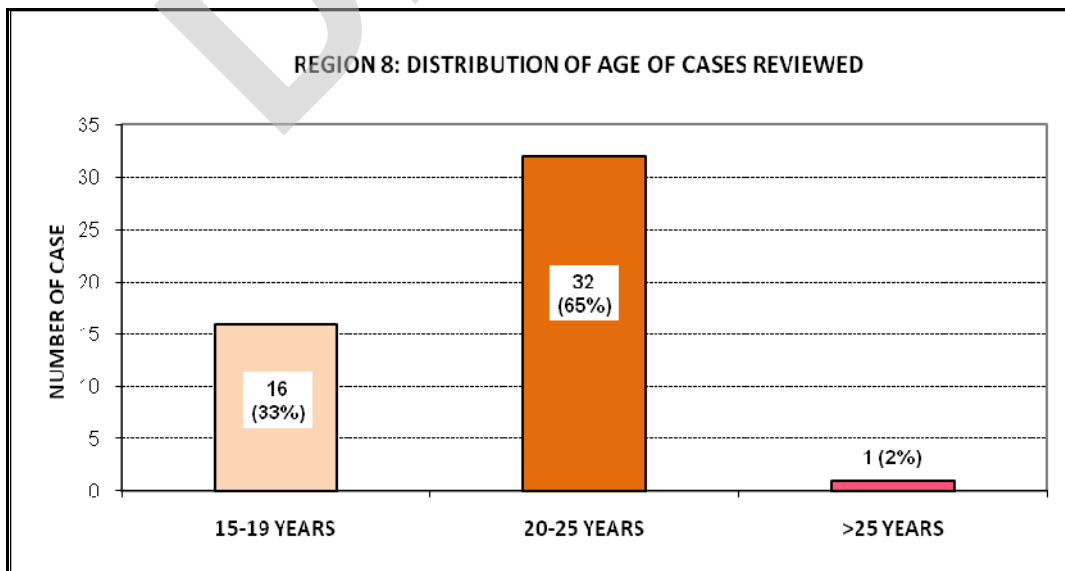
4) DATA IN GEOTRACKER



5) CASE ACTIVITIES IN GEOTRACKER (2004-2009)



6) AGE OF CASES



Case Review Summary Table

| ESTIMATED STATUS IN THE CLEANUP PIPELINE? | SITE NAME (CASE LEAD AGENCY: SANTA ANA RWQCB - REGION 8) | CITY | GLOBAL ID | LOCAL CASE NUMBER | CASEWORKER | CURRENT CASE STATUS | APPARENT PRIMARY ENVIRONMENTAL BARRIER TO CLOSURE (Identified by Regulatory Agency in GT) | APPARENT NON-ENVIRONMENTAL BARRIER TO CLOSURE (Identified by Regulatory Agency in GT) | PRIMARY COC (In GeoTracker) | APPARENT TYPE OF RP | DOES SITE APPEAR TO HAVE BEEN REDEVELOPED? (LAND USE CHANGED?) | DOES SITE APPEAR TO HAVE CURRENT PETROLEUM USAGE? | CLAIMED IN GEOTRACKER? | GROUNDWATER MONITORING (LAST 5-YEARS) | INVESTIGATION (LAST 5-YEARS) | REMEDIATION (LAST 5-YEARS) | LAST REGULATORY DIRECTIVE LETTER (ANY ISSUED SINCE 2004?) | PERCEPTION OF NEED FOR INCREASED ENFORCEMENT? | DATA IN GEOTRACKER | RELEASE DATE | AGE | NEXT STEP FOR AGENCY |
|---|---|----------------|-----------------------------|----------------------|---------------------|--------------------------------|--|--|-----------------------------|---|---|---|------------------------|--|---------------------------------|-------------------------------|--|---|--|--------------|-----|----------------------|
| Appears close to completion | CONTAINER CORP. OF AMERICA | IRVINE | TD605900479 | 083000594T | Carl Bernhardt | Open - Site Assessment | O - Other | N - None | Other | S - Small Private Business | No | Unknown | Yes | Yes | No | No | No | No | Incomplete (GWM only) | 7/6/1987 | 23 | |
| Appears close to completion | MOBIL #18-793 | FULLERTON | TD605901602 | 083002163T | Rose Scott | Open - Verification Monitoring | R - Remedial Confirmation | U - Unknown | Gasoline | Z - Major Oil Company | No | Yes | Yes | Yes | Yes | Yes | Yes | No | Partially Complete (Missing some data) | 8/21/1992 | 18 | |
| Appears close to completion | MURAI FARMS | SANTA ANA | TD605901817 | 083002604T | Tom E. Mbeke-Ekanem | Open - Site Assessment | CP - CA Policy (Water Quality Objectives Not Met) | RP - Non-Responsive RP | Gasoline | F - Farm/Agriculture | Unknown | Unknown | No | Unknown | Unknown | Unknown | Unknown | Yes | None | 10/24/1994 | 16 | |
| Appears near completion within 1-year | AUDIOMAGNETICS | IRVINE | TD605901302 | 083001737T (04UT018) | Carl Bernhardt | Open - Site Assessment | R - Remedial Confirmation | U - Unknown | Solvent | S - Small Private Business | Yes | No | Yes | No | Yes | Yes | Yes | No | Limited | 12/31/1983 | 26 | |
| Appears near completion within 1-year | NCS Stop & Go #0132 (BEACON/NCS 13349) | RIVERSIDE | TD606500252 | 083301964T (89209) | Carl Bernhardt | Open - Verification Monitoring | O - Other | U - Unknown | Gasoline | S - Small Private Business | Yes | No | Yes | Yes | No | No | No | Yes | Limited | 3/20/1985 | 25 | |
| Appears near completion within 1-year | California Rehab Center | NORCO | TD606500007 | 083300077T (88422) | Tom E. Mbeke-Ekanem | Open - Site Assessment | I - Incomplete Assessment | U - Unknown | MTBE | G - Government Entity (include School, Hospital, Utility) | No | Unknown | Yes | Yes | Yes | No | Unknown | Unknown | Limited | 2/24/1987 | 23 | |
| Appears near completion within 1-year | CIRCLE SEAL CONTROLS | ANAHEIM | TD605900550 | 083000696T | Carl Bernhardt | Open - Verification Monitoring | R - Remedial Confirmation | O - Other | Other | S - Small Private Business | Yes | Unknown | Yes | Yes | Yes | Yes | No | No | Incomplete (GWM only) | 10/7/1987 | 22 | |
| Appears near completion within 1-year | BFM ENERGY PRODUCTS CORP. | SANTA ANA | TD605900807 | 083001019T | Carl Bernhardt | Open - Remediation | R - Remedial Confirmation | N - None | Solvent | S - Small Private Business | Unknown | Unknown | Yes | Yes | Yes | Yes | Yes | No | Incomplete (GWM only) | 4/15/1988 | 22 | |
| Appears near completion within 1-year | ARCO #5214 | SAN BERNARDINO | TD607100189 | 083601595T (90089) | Valerie Jahn-Bull | Open - Remediation | R - Remedial Confirmation | N - None | Gasoline | Z - Major Oil Company | No | Yes | Yes | Yes | No | Yes | Yes | No | Partially Complete (Missing some data) | 7/27/1989 | 20 | |
| Appears near completion within 1-year | PERRIS AUTO REPAIR | PERRIS | TD606500308 | 083302213T (93062) | Nancy Olson-Martin | Open - Site Assessment | I - Incomplete Assessment | RP - Non-Responsive RP | Gasoline | G - Government Entity (include School, Hospital, Utility) | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Limited | 1/28/1993 | 17 | |
| Appears near completion within 1-year | MOBIL #18-FHE | FULLERTON | TD605900668 | 083000847T | Rose Scott | Open - Remediation | R - Remedial Confirmation | N - None | Gasoline | Z - Major Oil Company | No | Yes | Yes | Yes | Yes | Yes | Yes | No | Incomplete (GWM only) | 3/17/1994 | 16 | |
| Appears near completion within 1-year | REDMAN PROPERTY | LAKE ELSINORE | TD606500134 | 083301248T (94051) | Nancy Olson-Martin | Open - Site Assessment | O - Other | U - Unknown | Gasoline | G - Government Entity (include School, Hospital, Utility) | Yes | No | Yes | Yes | No | No | Yes | No | Limited | 2/2/1994 | 16 | |
| Appears near completion within 1-year | LEVITZ FURNITURE | SAN BERNARDINO | TD607100391 | 083602715T (95053) | Carl Bernhardt | Open - Site Assessment | R - Remedial Confirmation | N - None | Other | S - Small Private Business | No | Unknown | Yes | Yes | Yes | Yes | Yes | No | Partially Complete (Missing some data) | 10/11/1995 | 15 | |

Case Review Summary Table (Continued)

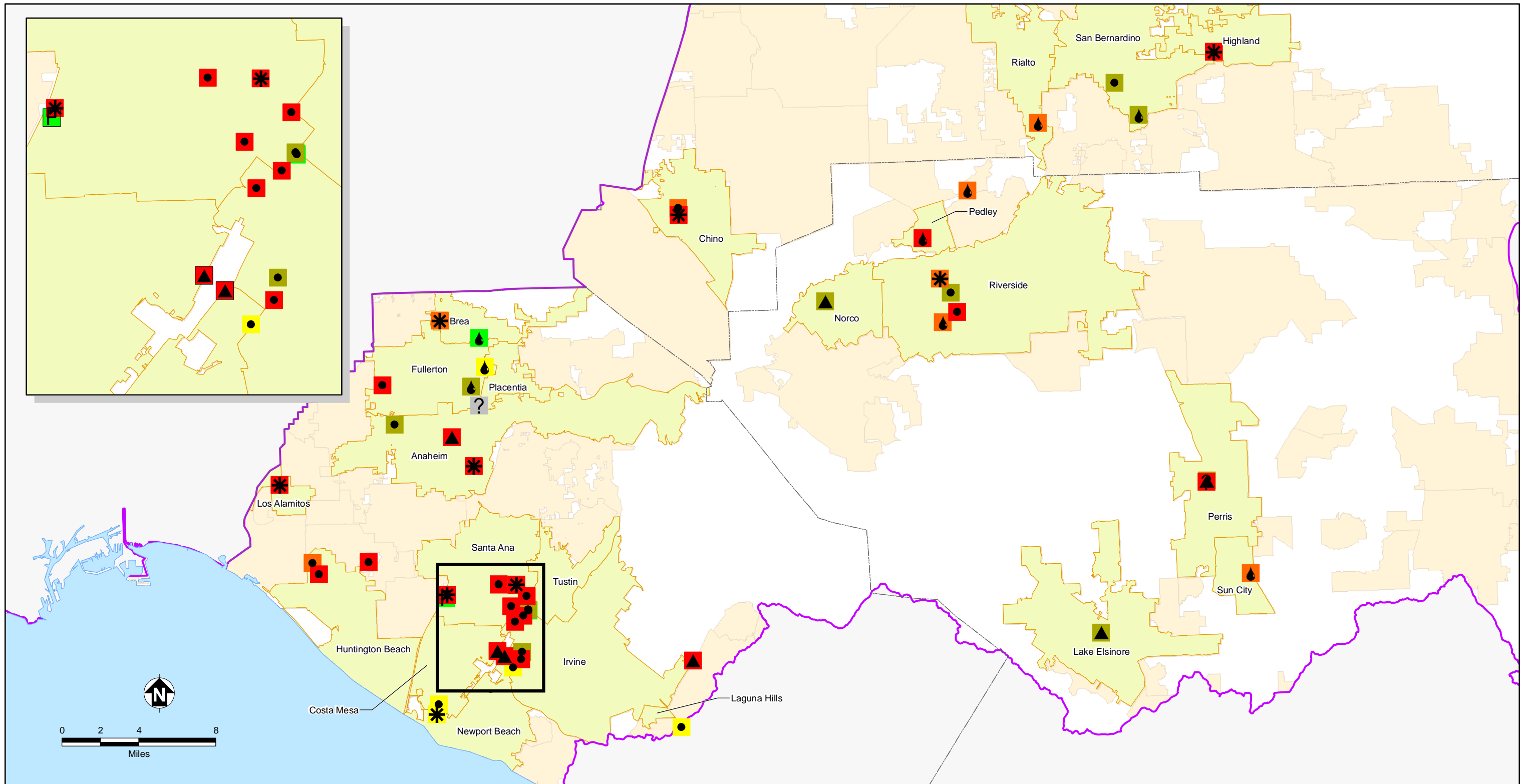
| ESTIMATED STATUS IN THE CLEANUP PIPELINE? | SITE NAME (CASE LEAD AGENCY: SANTA ANA RWQCB - REGION 8) | CITY | GLOBAL ID | LOCAL CASE NUMBER | CASEWORKER | CURRENT CASE STATUS | APPARENT PRIMARY ENVIRONMENTAL BARRIER TO CLOSURE (Identified by Regulatory Agency in GT) | APPARENT NON-ENVIRONMENTAL BARRIER TO CLOSURE (Identified by Regulatory Agency in GT) | PRIMARY COC (In GeoTracker) | APPARENT TYPE OF RP | DOES SITE APPEAR TO HAVE BEEN REDEVELOPED? (LAND USE CHANGED?) | DOES SITE APPEAR TO HAVE CURRENT PETROLEUM USAGE? | CLAIMED IN GEOTRACKER? | GROUNDWATER MONITORING (LAST 5-YEARS) | INVESTIGATION (LAST 5-YEARS) | REMEDATION (LAST 5-YEARS) | LAST REGULATORY DIRECTIVE LETTER (ANY ISSUED SINCE 2004?) | PERCEPTION OF NEED FOR INCREASED ENFORCEMENT? | DATA IN GEOTRACKER | RELEASE DATE | AGE | NEXT STEP FOR AGENCY |
|---|---|------------------|-----------------------------|----------------------|---------------------|---|--|--|-----------------------------|------------------------------------|---|---|------------------------|--|---------------------------------|------------------------------|--|---|---|--------------|-----|----------------------|
| Appears to be on track | WRIGHT PETROLEUM (AKA G&M Oil Company Station #40) | LAGUNA HILLS | T0605900466 | 083000580T (85UT052) | Nancy Olson-Martin | Open - Remediation | I - Incomplete Assessment | F - Financial Hardship | Diesel | S - Small Private Business | No | Yes | Yes | Yes | Unknown | Yes | Yes | No | Partially Complete (Missing some data) | 6/13/1986 | 24 | |
| Appears to be on track | CONEXANT SYSTEMS, INC. (FORMER ROCKWELL INTL SEMI-CONDUCT DIV.) | NEWPORT BEACH | T0605900822 | 083001040T (85UT105) | Carl Bernhardt | Open - Site Assessment | R - Remedial Confirmation | F - Financial Hardship | Solvent | S - Small Private Business | Yes | Unknown | Yes | Yes | Yes | Yes | Yes | No | Partially Complete (Missing some data) | 3/16/1987 | 23 | |
| Appears to be on track | J.C. CARTER CO., INC. | COSTA MESA | T0605900153 | 083000202T (86UT025) | Rose Scott | Open - Assessment & Interim Remedial | O - Other | N - None | Other | S - Small Private Business | No | No | Yes | Yes | Yes | Yes | Yes | No | Limited | 3/27/1987 | 23 | |
| Appears to be on track | HUGHES AIRCRAFT CO-SOLID PROD. | NEWPORT BEACH | T0605900648 | 083000821T (90UT247) | Carl Bernhardt | Open - Verification Monitoring | R - Remedial Confirmation | N - None | Solvent | I - Industry (Railroad, Steel etc) | Unknown | Unknown | Yes | Yes | Yes | Yes | Yes | No | Partially Complete (Missing some data) | 2/2/1988 | 22 | |
| Appears to be on track | TESORO /TARGET STORE T-293 | FULLERTON | T0605901585 | 083002146T | Tom E. Mbeke-Ekanem | Open - Site Assessment | R - Remedial Confirmation | N - None | Gasoline | Z - Major Oil Company | Unknown | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Partially Complete (Missing some data) | 9/9/1992 | 18 | |
| Appears NOT to be on track | BOEING (FORMER MCDONNELL DOUGLAS ASTRONAUTICS) | HUNTINGTON BEACH | T0605900184 | 083000239T (86UT143) | Carl Bernhardt | Open - Site Assessment | S - Nearby Wells/Other Receptors | U - Unknown | Solvent | S - Small Private Business | No | Unknown | Yes | Yes | Yes | Yes | Yes | No | Complete (Soil, GWM, Tank Removal, Boring Logs) | 10/21/1986 | 24 | |
| Appears NOT to be on track | AKZO NOBEL COATING INC. | BREA | T0605900255 | 083000322T (86UT190) | Carl Bernhardt | Open - Verification Monitoring | S - Nearby Wells/Other Receptors | U - Unknown | Other | I - Industry (Railroad, Steel etc) | No | Unknown | Yes | Yes | Unknown | Yes | No | Yes | Incomplete (GWM only) | 12/5/1986 | 23 | |
| Appears NOT to be on track | CROWN COACH INTERNATIONAL | CHINO | T0607100070 | 083600684T (90166) | Carl Bernhardt | Open - Verification Monitoring | O - Other | O - Other | Solvent | S - Small Private Business | Yes | Unknown | Yes | Yes | No | No | Yes | No | Limited | 6/5/1987 | 23 | |
| Appears NOT to be on track | ROHR INDUSTRIES, INC. | RIVERSIDE | T0606500068 | 083300625T (88499) | Carl Bernhardt | Open - Site Assessment | I - Incomplete Assessment | U - Unknown | Multiple | I - Industry (Railroad, Steel etc) | No | Unknown | Yes | Yes | Unknown | Yes | Yes | No | Partially Complete (Missing some data) | 8/22/1988 | 22 | |
| Appears NOT to be on track | RIVERSIDE PARTNERS (Riverside National Bank) | RIVERSIDE | T0606500199 | 083301604T (90656) | Carl Bernhardt | Open - Site Assessment | O - Other | O - Other | Gasoline | Z - Major Oil Company | Yes | No | Yes | Yes | Unknown | Unknown | Yes | Yes | Limited | 7/25/1990 | 20 | |
| Appears NOT to be on track | MOBIL #18-HTY | RIVERSIDE | T0606500478 | 083302921T (91666) | Rose Scott | Open - Remediation | I - Incomplete Assessment | O - Other | Gasoline | Z - Major Oil Company | No | Yes | Yes | Yes | No | Yes | Yes | No | Partially Complete (Missing some data) | 7/25/1991 | 19 | |
| Appears NOT to be on track | MOBIL #18-FNW | SUN CITY | T0606500316 | 083302233T (93348) | Rose Scott | Open - Assessment & Interim Remedial Action | I - Incomplete Assessment | O - Other | Gasoline | Z - Major Oil Company | Yes | No | Yes | Yes | No | Yes | Yes | No | Partially Complete (Missing some data) | 4/16/1993 | 17 | |
| Appears NOT to be on track | MOBIL FAC. #04-086 /COLTON TER | BLOOMINGTON | T0607100402 | 083602777T | Rose Scott | Open - Remediation | R - Remedial Confirmation | O - Other | Gasoline | Z - Major Oil Company | No | Yes | Yes | No | Yes | Yes | Yes | Yes | Partially Complete (Missing some data) | 4/12/1993 | 17 | |

Case Review Summary Table (Continued)

| ESTIMATED STATUS IN THE CLEANUP PIPELINE? | SITE NAME (CASE LEAD AGENCY: SANTA ANA RWQCB - REGION 8) | CITY | GLOBAL ID | LOCAL CASE NUMBER | CASEWORKER | CURRENT CASE STATUS | APPARENT PRIMARY ENVIRONMENTAL BARRIER TO CLOSURE (Identified by Regulatory Agency in GT) | APPARENT NON-ENVIRONMENTAL BARRIER TO CLOSURE (Identified by Regulatory Agency in GT) | PRIMARY COC (In GeoTracker) | APPARENT TYPE OF RP | DOES SITE APPEAR TO HAVE BEEN REDEVELOPED? (LAND USE CHANGED?) | DOES SITE APPEAR TO HAVE CURRENT PETROLEUM USAGE? | CLAIMED IN GEOTRACKER? | GROUNDWATER MONITORING (LAST 5-YEARS) | INVESTIGATION (LAST 5-YEARS) | REMEDIATION (LAST 5-YEARS) | LAST REGULATORY DIRECTIVE LETTER (ANY ISSUED SINCE 2004?) | PERCEPTION OF NEED FOR INCREASED ENFORCEMENT? | DATA IN GEOTRACKER | RELEASE DATE | AGE | NEXT STEP FOR AGENCY |
|---|---|-------------|-----------------------------|----------------------|--------------------|--------------------------------|--|--|-----------------------------|---|---|---|------------------------|--|---------------------------------|-------------------------------|--|---|--|--------------|-----|----------------------|
| Appears to be stuck | ORANGE COUNTY FIRE STATION #33 | SANTA ANA | TD605900317 | 083000548T | Rose Scott | Open - Site Assessment | I - Incomplete Assessment | ND - No Data in GeoTracker | Gasoline | G - Government Entity (include School, Hospital, Utility) | No | Unknown | Yes | No | No | No | Yes | Yes | Limited | 9/2/1986 | 24 | |
| Appears to be stuck | SANTA ANA TOWER F.A.A. | SANTA ANA | TD605900340 | 083000556T | Rose Scott | Open - Site Assessment | I - Incomplete Assessment | U - Unknown | Other | G - Government Entity (include School, Hospital, Utility) | No | Unknown | No | Unknown | Unknown | Unknown | Yes | Yes | None | 4/6/1987 | 23 | |
| Appears to be stuck | ARLINGTON AUTOMOTIVE | RIVERSIDE | TD605900373 | 083300651T (87518) | Valerie Jahn-Bull | Open - Site Assessment | I - Incomplete Assessment | RP - Non-Responsive RP | Gasoline | S - Small Private Business | No | Unknown | No | Unknown | Unknown | Unknown | Unknown | Yes | None | 8/5/1987 | 23 | |
| Appears to be stuck | HUGHES AIRCRAFT COMPANY - GSG | FULLERTON | TD605900143 | 083000187T | Carl Bernhardt | Open - Remediation | I - Incomplete Assessment | U - Unknown | Other | S - Small Private Business | No | No | Yes | Yes | Unknown | Yes | Unknown | Yes | Limited | 1/15/1987 | 23 | |
| Appears to be stuck | STEELCASE, INC. WESTERN DIV. | TUSTIN | TD605900308 | 083000389T (85UT093) | Carl Bernhardt | Open - Remediation | I - Incomplete Assessment | U - Unknown | Solvent | S - Small Private Business | No | No | Yes | Yes | No | No | Yes | Yes | Incomplete (GWM only) | 1/28/1987 | 23 | |
| Appears to be stuck | ASTECH FACILITY | SANTA ANA | TD605900376 | 083000468T | Carl Bernhardt | Open - Remediation | I - Incomplete Assessment | U - Unknown | Solvent | S - Small Private Business | No | Unknown | Yes | Yes | Unknown | Yes | Yes | No | Partially Complete (Missing some data) | 6/8/1987 | 23 | |
| Appears to be stuck | PRUDENTIAL (FORMER BECKMAN) | IRVINE | TD605901027 | 083001354T (90IC038) | Nancy Olson-Martin | Open - Verification Monitoring | O - Other | U - Unknown | Solvent | S - Small Private Business | Yes | Unknown | Yes | Yes | Unknown | Yes | Yes | Yes | Incomplete (GWM only) | 7/20/1987 | 23 | |
| Appears to be stuck | UNISYS/MEMOREX | IRVINE | TD605901093 | 083001440T (90UT035) | Carl Bernhardt | Open - Verification Monitoring | I - Incomplete Assessment | ND - No Data in GeoTracker | Other | S - Small Private Business | Unknown | Unknown | No | Unknown | Unknown | Unknown | Yes | Yes | None | 7/20/1987 | 23 | |
| Appears to be stuck | ITT CANNON | SANTA ANA | TD605900424 | 083000530T | Nancy Olson-Martin | Open - Remediation | R - Remedial Confirmation | U - Unknown | Other | S - Small Private Business | No | Unknown | Yes | Yes | No | Yes | Yes | No | Partially Complete (Missing some data) | 7/27/1988 | 22 | |
| Appears to be stuck | SEARS, ROEBUCK AND COMPANY | SANTA ANA | TD605900889 | 083001128T | Rose Scott | Open - Remediation | R - Remedial Confirmation | O - Other | Gasoline | S - Small Private Business | No | Unknown | Yes | Yes | Yes | Yes | Yes | Yes | Limited | 12/28/1988 | 21 | |
| Appears to be stuck | ALPHA AUTO SALES | MIDWAY CITY | TD605900829 | 083001263T (89UT115) | Nancy Olson-Martin | Open - Site Assessment | I - Incomplete Assessment | ND - No Data in GeoTracker | Gasoline | S - Small Private Business | No | Unknown | No | Unknown | Unknown | Unknown | No | Yes | None | 7/11/1989 | 21 | |
| Appears to be stuck | CIRCLE K #0339 | PEDLEY | TD605900157 | 083301335T (89927) | Carl Bernhardt | Open - Site Assessment | I - Incomplete Assessment | RP - Non-Responsive RP | Gasoline | Z - Major Oil Company | No | Yes | Yes | Yes | Unknown | No | Yes | No | Limited | 10/4/1989 | 21 | |
| Appears to be stuck | ANAHEIM REDEVELOPMENT AGENCY | ANAHEIM | TD605900198 | 083001569T | Carl Bernhardt | Open - Site Assessment | I - Incomplete Assessment | ND - No Data in GeoTracker | Diesel | G - Government Entity (include School, Hospital, Utility) | Yes | Unknown | No | Unknown | Unknown | Unknown | Unknown | Yes | None | 6/22/1990 | 20 | |

Case Review Summary Table (Continued)

| ESTIMATED STATUS IN THE CLEANUP PIPELINE? | SITE NAME (CASE LEAD AGENCY: SANTA ANA RWQCB - REGION 8) | CITY | GLOBAL ID | LOCAL CASE NUMBER | CASEWORKER | CURRENT CASE STATUS | APPARENT PRIMARY ENVIRONMENTAL BARRIER TO CLOSURE (Identified by Regulatory Agency in GT) | APPARENT NON-ENVIRONMENTAL BARRIER TO CLOSURE (Identified by Regulatory Agency in GT) | PRIMARY COC (In GeoTracker) | APPARENT TYPE OF RP | DOES SITE APPEAR TO HAVE BEEN REDEVELOPED? (LAND USE CHANGED) | DOES SITE APPEAR TO HAVE CURRENT PETROLEUM USAGE? | CLAIMED IN GEOTRACKER? | GROUNDWATER MONITORING (LAST 5-YEARS) | INVESTIGATION (LAST 5-YEARS) | REMEDATION (LAST 5-YEARS) | LAST REGULATORY DIRECTIVE LETTER (ANY ISSUED SINCE 2004?) | PERCEPTION OF NEED FOR INCREASED ENFORCEMENT? | DATA IN GEOTRACKER | RELEASE DATE | AGE | NEXT STEP FOR AGENCY |
|--|---|------------------|-----------------------------|----------------------|---------------------|--------------------------------|--|--|-----------------------------|---|--|---|------------------------|--|---------------------------------|------------------------------|--|---|--|--------------|-----|----------------------|
| Appears to be stuck | PACIFIC SCIENTIFIC | ANAHEIM | T0605901103 | 083001452T | Carl Bernhardt | Open - Site Assessment | R - Remedial Confirmation | U - Unknown | Other | I - Industry (Railroad, Steel etc) | No | Unknown | Yes | Yes | Yes | Yes | Yes | Yes | Incomplete (GWM only) | 3/20/1990 | 20 | |
| Appears to be stuck | ORNYTE FIBERGLASS | CHINO | T0607100168 | 083601397T | Carl Bernhardt | Open - Reopen Case | I - Incomplete Assessment | O - Other | Solvent | I - Industry (Railroad, Steel etc) | No | Unknown | No | Unknown | Unknown | Unknown | No | Yes | None | 1/25/1990 | 20 | |
| Appears to be stuck | SAFETY-KLEEN CORPORATION | LOS ALAMITOS | T0605901155 | 083001515T (90UT117) | Tom E. Mbeke-Ekanem | Open - Site Assessment | O - Other | ND - No Data in GeoTracker | Other | I - Industry (Railroad, Steel etc) | Unknown | Unknown | No | Unknown | Unknown | Unknown | No | Yes | None | 5/8/1990 | 20 | |
| Appears to be stuck | MUSICK BRANCH JAIL | IRVINE | T0605901583 | 083002144T (92UT103) | Rose Scott | Open - Remediation | I - Incomplete Assessment | O - Other | Gasoline | G - Government Entity (include School, Hospital, Utility) | No | Unknown | Yes | Yes | No | No | Yes | No | Partially Complete (Missing some data) | 9/3/1992 | 18 | |
| Appears to be stuck | NEWPORT HYDRAULICS | SANTA ANA | T0605901529 | 083002160T | Rose Scott | Open - Site Assessment | I - Incomplete Assessment | RP - Non-Responsive RP | Other | I - Industry (Railroad, Steel etc) | No | Unknown | No | Unknown | Unknown | Unknown | Unknown | Yes | None | 9/21/1992 | 18 | |
| Appears to be stuck | VENUS LABORATORIES | HUNTINGTON BEACH | T0605901543 | 083002028T (93UT008) | Tom E. Mbeke-Ekanem | Open - Verification Monitoring | I - Incomplete Assessment | F - Financial Hardship | Other | S - Small Private Business | No | Unknown | Yes | Yes | Yes | No | Yes | No | Partially Complete (Missing some data) | 2/10/1993 | 17 | |
| Appears to be stuck | B AND D AUTOMOTIVE | PERRIS | T0605901361 | 083302404T (94130) | Carl Bernhardt | Open - Site Assessment | I - Incomplete Assessment | RP - Non-Responsive RP | Gasoline | U - Unknown | Unknown | Unknown | No | Unknown | Unknown | Unknown | Unknown | Yes | None | 2/17/1994 | 16 | |
| Appears to be stuck | SAFETY-KLEEN | SANTA ANA | T0605901679 | 083002625T | Tom E. Mbeke-Ekanem | Open - Site Assessment | O - Other | ND - No Data in GeoTracker | Other | I - Industry (Railroad, Steel etc) | Unknown | Unknown | No | Unknown | Unknown | Unknown | No | Yes | None | 7/1/1994 | 16 | |
| Appears to be stuck | SAFETY-KLEEN CORPORATION | HIGHLAND | T0607100169 | 083602626T | Tom E. Mbeke-Ekanem | Open - Site Assessment | O - Other | ND - No Data in GeoTracker | Other | I - Industry (Railroad, Steel etc) | No | Unknown | No | Unknown | Unknown | Unknown | No | Yes | None | 1/10/1994 | 16 | |
| Unable to determine (Insufficient information in GeoTracker) | JACK IN THE BOX | PLACENTIA | T0605900788 | 083000994T (88UT131) | Rose Scott | Open - Site Assessment | O - Other | RP - Non-Responsive RP | Gasoline | U - Unknown | Yes | Unknown | No | No | No | No | Yes | Yes | None | 7/20/1988 | 22 | |



- | | | | | | |
|----------|--|----------------------|--|--------------------------|------------------------------|
| F | F - Farm/Agriculture | Orange Square | Appears NOT to be on track | Purple Outline | Region 8 Boundary |
| ▲ | G - Government Entity (includes School, Hospital, Utility) | Green Square | Appears close to completion | Dashed Line | County Boundary |
| * | I - Industry (Railroad, Steel etc) | Olive Square | Appears near completion within 1-year | Light Green Fill | City Containing Featured UST |
| ● | S - Small Private Business | Yellow Square | Appears to be on track | Light Orange Fill | Other City |
| ? | U - Unknown | Red Square | Appears to be stuck | | |
| ⬇ | Z - Major Oil Company | Grey Square | Unable to determine (Insufficient information in GeoTracker) | | |

DRAFT MAP,
please do not distribute

GeoTracker Data Visualization

SANTA ANA RWQCB (REGION 8)
GEOTRACKER LOCATIONS OF NON-CUF CASES
OLDER THAN 15 YEARS DEEMED
"NOT READY FOR CLOSURE - FINAL"

Draft Santa Ana RWQCB (Region 8) Non-CUF Report

CONTAINER CORP OF AMERICA (T0605900479)

1600 BARRANCA PKWY, IRVINE, CA 92714



Case Age: 23 years
Primary COC: Alcohols
RP Identified: Jefferson Smurfit Corp
Potential Media Affected: Aquifer used for drinking water supply
Current Land Use: Graphics Packaging International

CLEANUP OVERSIGHT AGENCIES
 SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083000594T
 CASEWORKER: [CARL BERNHARDT](#) - SUPERVISOR: Ken Williams
 ORANGE COUNTY LOP

Possible Reasons Why This Case Is So Old

- Continue to have GW contamination detections
- Appears to have gap in oversight and RP involvement between 1989 and 2002
- Older documents not uploaded to GeoTracker

NOTE: Data queried from GeoTracker and reviewed in June 2010

| ACTIVITIES REPORT | | ACTIVITY TYPE FILTER: Show All Activities | |
|----------------------|---|---|-----------------------|
| ACTION TYPE | ACTION | ACTION DATE | RECEIVED / ISSUE DATE |
| RESPONSE - REPORTS | 2008 Annual Report | 1/30/2009 | 12/18/2008 |
| ENFORCEMENT/ORDERS | Verbal Enforcement | 9/4/2008 | 9/4/2008 |
| RESPONSE - REPORTS | Monitoring Report - Quarterly | 1/30/2008 | 1/22/2008 |
| RESPONSE - REPORTS | Monitoring Report - Quarterly | 1/30/2007 | 1/26/2007 |
| RESPONSE - WORKPLANS | Other Workplan | 12/30/2006 | 12/7/2006 |
| RESPONSE - REPORTS | Monitoring Report - Quarterly | 1/30/2006 | 1/18/2006 |
| RESPONSE - WORKPLANS | Soil and Water Investigation Workplan | 12/10/2005 | 12/10/2005 |

Activities Conducted to Date Based on GeoTracker (T0605900479)

Assessment last 5 years

- Ongoing: GW Monitoring

Remediation last 5 years

- NONE DOCUMENTED

Assessment older than 5 years

- 2002 onwards: GW Monitoring

Remediation older than 5 years

- 1989: GW Pump and Treat

IMPEDIMENTS TO CLOSURE (T0605900479)

as reported by regulatory agency

CONTAINER CORP. OF AMERICA (T0605900479) - (MAP)

1600 BARRANCA PKWY
IRVINE, CA 92714
ORANGE COUNTY
LUST CLEANUP SITE

CLEANUP OVERSIGHT AGENCIES
SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083000594T
CASEWORKER: CARL BERNHARDT
ORANGE COUNTY LOP

Summary Closure Review Cleanup Status History Regulatory Activities Environmental Data (ESI) Site Maps / Documents Community Involvement

CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 12/28/2009

[VIEW ALL POSSIBLE CLOSURE REVIEW VALUES](#)

IMPEDIMENTS TO CLOSURE

GROUNDWATER IMPACTS

- Groundwater Impacted Above Other Cleanup Goal - Groundwater sampled in 2008 Annual sampling round at 4500 ug/l.

BENEFITS OF ADDITIONAL WORK

- Verify Remedial Action Effectiveness - RP Proposing closure if December 2009 Annual Sampling Round shows further attenuation of the VOCs

SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT

| SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | COMMENTS |
|--------------------|-----------------------|--|
| Groundwater | Already impacted | Toluene up to 4500 ug/l in 2008 annual sampling round. |

Review Conclusions T0605900479

- Review indicates:
 - Closure Report indicated "RP proposing closure if Dec 2009 Annual Sampling shows further attenuation of VOCs" → Sampling results appears to support closure consideration
 - Annual GW Assessment Report (Dec 2009) proposed closure based on:
 - Benzene, ethylene and xylene concentrations that have not exceeded SARWQCB low risk levels for the past 4-years
 - VOCs concentrations have not exceeded US EPA Regional Screening Levels (tap water) for the past 3-years
 - Toluene concentration have continued to decrease and the plume has not changed
 - VOC plume has not expanded and continue to decrease in mass and concentration
- Discussion:
 - Case closure requested in report dated January 8, 2010, no regulatory reply noted
- Potential closure candidate

MOBIL #18-793 (T0605901602)

2800 E IMPERIAL HWY., FULLERTON, CA 92631



Case Age: 17 years
Primary COC: Gasoline
RP Identified by Regulator: Mobil Oil Corp.
Potential Media Affected: Aquifer used for drinking water supply
Current Land Use: Gas Station

CLEANUP OVERSIGHT AGENCIES
 SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083002163T
 CASEWORKER: [ROSE SCOTT](#) - SUPERVISOR: Ken Williams
 FULLERTON, CITY OF
 CASEWORKER: [STEPHEN LONG](#) - SUPERVISOR: NONE SPECIFIED

| ACTIVITIES REPORT | | ACTIVITY TYPE FILTER: Show All Activities | Go | * INDICATES A REVISION | |
|--------------------------|---|---|-----------------------|---|--|
| ACTION TYPE | ACTION | ACTION DATE | RECEIVED / ISSUE DATE | ACTION DESCRIPTION | |
| OTHER REGULATORY ACTIONS | Technical Correspondence / Assistance / Other | 12/10/2009 | 12/10/2009 | Request for meeting | |
| ENFORCEMENT/ORDERS | Staff Letter | 7/28/2009 | 7/28/2009 | Quarterly Monitoring Requirement - SB Resolution 2009-0042 | |
| OTHER REGULATORY ACTIONS | Technical Correspondence / Assistance / Other | 5/13/2009 | 5/13/2009 | Reviewed quarterly report and discussed TBA issue and closure with consultant. Approved well abandonment in street. | |

Possible Reasons Why This Case Is So Old

- Initial site contaminant concentrations were very high
- Case was complicated by the presence of a second LUFT case at the adjacent ARCO facility, and adjacent flood control channel

NOTE: Data queried from GeoTracker and reviewed in June 2010

Activities Conducted to Date Based on GeoTracker Info T0605901602

Assessment last 5 years

- Ongoing: Groundwater monitoring
- 1995: An additional groundwater monitoring well installed

Remediation last 5 years

- 2000-present: Pump and Treat system

Assessment older than 5 years

- Since 1992: Groundwater Monitoring
- 1992, 1993, 1994, 1998: Site investigations
- 1995: Vapor extraction test conducted

Remediation older than 5 years

- 1992-1993, and 2000: Liquid Phase Hydrocarbon recovery conducted
- 1993: Excavate and dispose (~240 tons of impacted soil removed)
- 1997-1999: A mobile DPE system was operated on site
- 2000-2004: SVE system operated on site

IMPEDIMENTS TO CLOSURE T0605901602

as reported by regulatory agency

| CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 11/10/2009 VIEW | | |
|---|------------------------------|--|
| IMPEDIMENTS TO CLOSURE | | |
| PROCEDURAL IMPEDIMENTS | | |
| <ul style="list-style-type: none"> Monitoring Wells Not Yet Abandoned - <i>Last two rounds of post remedial monitoring must be reviewed and then the wells must be abandoned.</i> | | |
| BENEFITS OF ADDITIONAL WORK | | |
| <ul style="list-style-type: none"> Remove / Reduce Source Mass - <i>GWPT has operated for years and was shut down on December 11, 2008.</i> Protect Ecological Receptors - <i>The monitoring wells provide warning of potential impacts to Fullerton Creek.</i> | | |
| SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT | | |
| SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | COMMENTS |
| Groundwater | Already Impacted | TBA remaining in one well at over 1000 ug/l. |
| Surface Water (Bay, Estuary, Stream, Lake) | Already Impacted | Fullerton Creek was impacted with MTBE. |
| NOTES / COMMENTS | | |
| This site is very close to closure. Contamination was very high and has been remediated successfully. | | |

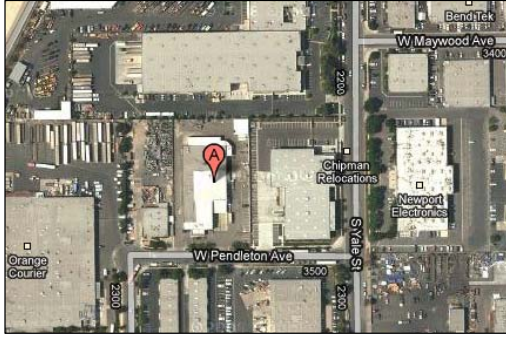
| GROUNDWATER MONITORING FREQUENCY |
|--|
| # OF WELLS MONITORED - QUARTERLY : 21 |
| REASONS FOR QUARTERLY OR MONTHLY OR OTHER GROUNDWATER MONITORING: |
| <ul style="list-style-type: none"> Well Being Sampled for Post-Remedial Action Verification Monitoring - <i>GWPT stopped on December 11, 2008. We have two more rounds of verification sampling before closure.</i> |

Review Conclusions T0605901602

- Review indicates:
 - Site has two more rounds of post remediation monitoring to determine if case is ready for closure
 - If the concentrations do not rebound significantly, the regulator shall request for wells to be destroyed
- Discussion:
 - Complete closure
- Potential closure candidate (pending post remediation monitoring)

MURAI FARMS (T0605901817)

3601 W PENDLETON, SANTA ANA, CA 92707



Case Age: 16 years
Primary COC: Gasoline
RP Identified by Regulator: Murai Farms –
Unclaimed in GeoTracker
Potential Media Affected: Soil
Current Land Use: Warehouse / Industrial

CLEANUP OVERSIGHT AGENCIES
 SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083002604T
 CASEWORKER: [TOM E. MBEKE-EKANEM](#) - SUPERVISOR: Ken Williams
 SANTA ANA, CITY OF
 CASEWORKER: [CHRISTOPHER CIRAULO](#) - SUPERVISOR: NONE SPECIFIED

| ACTION TYPE | ACTION | ACTION DATE | RECEIVED / ISSUE DATE | ACTION DESCRIPTION |
|--------------------------|--|-------------|-----------------------|--|
| OTHER REGULATORY ACTIONS | File review | 3/10/2009 | 3/10/2009 | File Review |
| ENFORCEMENT - OTHER | * No Action | 5/3/2007 | 5/3/2007 | Site transferred to Regional Board. No new information has been found. |
| REFERRAL TO OTHER AGENCY | * Referral to Regional Board or Another State Agency | 2/29/1996 | 2/29/1996 | |
| LEAK ACTION | Leak Reported | 10/24/1994 | | |
| LEAK ACTION | Leak Discovery | 10/24/1994 | | |
| LEAK ACTION | Leak Stopped | 10/24/1994 | | |

Possible Reasons Why This Case Is So Old

- No report/document/letter/history uploaded to GeoTracker, No enforcement
- Limited oversight and RP involvement
- Case was transferred between agencies 1996



NOTE: Data queried from GeoTracker and reviewed in June 2010

Activities Conducted to Date Based on GeoTracker Info

T0605901817

Assessment last 5 years

- None Documented

Remediation last 5 years

- None Documented

Assessment older than 5 years

- None Documented

Remediation older than 5 years

- None Documented

IMPEDIMENTS TO CLOSURE T0605901817

as reported by regulatory agency

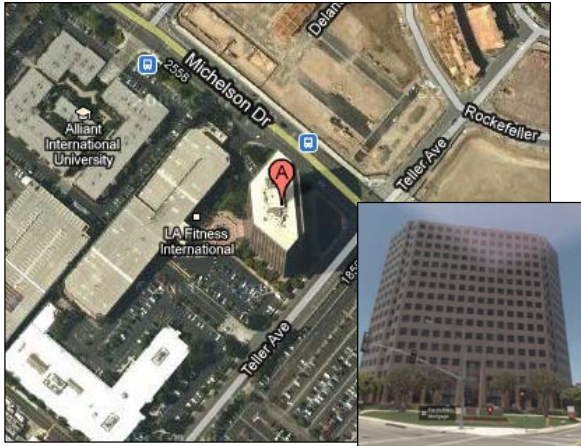
| MURAI FARMS (T0605901817) - (MAP) | | |
|---|--------------------------|--|
| 3601 W PENDLETON SANTA ANA, CA 92707 ORANGE COUNTY LUST CLEANUP SITE | | CLEANUP OVERSIGHT AGENCIES SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083002604T CASEWORKER: TOM E. MBEKE-EKANEM SANTA ANA, CITY OF CASEWORKER: CHRISTOPHER GIRAULO |
| Summary | Closure Review | Cleanup Status History |
| Regulatory Activities | Environmental Data (ESI) | Site Maps / Documents |
| CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 9/8/2009 VIEW ALL POSSIBLE CLOSURE REVIEW VALUES | | |
| IMPEDIMENTS TO CLOSURE SITE ASSESSMENT INCOMPLETE <ul style="list-style-type: none"> Extent of Contamination Has Not Been Determined - On November 27, 1995, one gasoline underground storage tank (UST) was removed from this site. The results of the soil analysis indicated non-detect (ND) in the excavation. Other - The City, on February 29, 1996 requested that a single groundwater monitoring well be installed over or near the previous tank location and the groundwater be monitored for a period of at least two quarters. This requirement was to make sure the groundwater was not impacted. PROCEDURAL IMPEDIMENTS <ul style="list-style-type: none"> Non-Responsive and / or Recalcitrant Responsible Party - RP ignored all mails that required that positive concrete steps be taken to come into compliance with the directive. BENEFITS OF ADDITIONAL WORK <ul style="list-style-type: none"> Restore Beneficial Uses - This will ensure that the site is devoid of contamination. | | |
| SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT | | |
| SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | COMMENTS |
| Groundwater | Already Impacted | Groundwater is already impacted. |

Review Conclusions T0605901817

- Review indicates:
 - No report/document/history uploaded to GeoTracker
 - RP is recalcitrant → has not performed any work directed since tank removal , no enforcement
 - Soil results collected during tank removal were NDs
 - Regulator requested for GW sampling to confirm no GW contamination for this site
- Discussion:
 - Need for additional sampling → any GW risk?
 - Steps to close case
 - Any receptors threatened likely already impacted
- Unable to determine case status

AUDIOMAGNETICS (T0605901307)

2600 MICHELSON DRIVE, IRVINE, CA 92715



Case Age: 26 years
RP Identified by Regulator: Audiomagnetics
Primary COC: Chlorinated solvents and diesel
Potential Media Affected: Aquifer used for drinking water supply
Current Land Use: Commercial

CLEANUP OVERSIGHT AGENCIES
 SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083001737T
 CASEWORKER: CARL BERNHARDT - SUPERVISOR: Ken Williams
 ORANGE COUNTY - CASE #: 04UT018
 CASEWORKER: LUIS A. LODRIGUEZA - SUPERVISOR: NONE SPECIFIED

| ACTIVITIES REPORT | | ACTIVITY TYPE FILTER: Show |
|--------------------------|---|----------------------------|
| ACTION TYPE | ACTION | ACTION DATE |
| ENFORCEMENT/ORDERS | Staff Letter | 12/9/2009 |
| RESPONSE - WORKPLANS | Work Plan for Site Assessment | 11/30/2009 |
| ENFORCEMENT/ORDERS | Staff Letter | 11/5/2009 |
| OTHER REGULATORY ACTIONS | Meeting | 10/21/2009 |
| RESPONSE - REPORTS | Subsurface Investigation Report | 4/10/2009 |
| RESPONSE - WORKPLANS | Groundwater Remediation Work Plan | 4/10/2009 |

Possible Reasons Why This Case Is So Old

- Fairly complex site → Six solvent USTs removed in 1983, and one diesel UST removed in 2004.
- Three on-site areas identified have solvent and hydrocarbon contamination.
- Persistent contamination → 1,2-DCA, MTBE and TPH(d).

NOTE: Data queried from GeoTracker and reviewed in June 2010

Activities Conducted to Date Based on GeoTracker Info T0605901307

Assessment last 5 years

- 2008: Seven GeoProbe borings, and soil and grab-GW samples were analyzed.

Remediation last 5 years

- 2009: Remediation Work Plan proposes chemical oxidation of GW by injecting in 4 wells.

Assessment older than 5 years

- 1983-2004: Multiple rounds of borings, with soil and groundwater sampling in various areas of the site.
- No “regular” GWM.

Remediation older than 5 years

- 2004: One diesel UST removed.
- 70,000+ gallons GW.
- 1984: 3,000+ cubic yards soil were removed from the site.
- 1983: Six solvent USTs removed.

IMPEDIMENTS TO CLOSURE T0605901307

as reported by regulatory agency

| Summary | Closure Review | Cleanup Status History | Regulatory Activities | Environmental Data (ESI) | Site Maps / Documents | Community Involvement | | | | | | |
|--|-----------------------|--|-----------------------|--------------------------|-----------------------|-----------------------|--------------------|-----------------------|----------|-------------|------------------|--|
| <p>CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 9/9/2009 VIEW ALL POSSIBLE CLOSURE REVIEW VALUES</p> <p>IMPEDIMENTS TO CLOSURE</p> <p>SITE ASSESSMENT INCOMPLETE</p> <ul style="list-style-type: none"> Pollutant Sources Have Not Been Adequately Identified or Evaluated - <i>The site is impacted by elevated TPH. Awaiting forensic analysis to determine if closure or remediation is warrant.</i> <p>GROUNDWATER IMPACTS</p> <ul style="list-style-type: none"> Groundwater Impacted Above Background - <i>Elevated concentrations of an unknown diesel range petroleum based solvent is detected in the former UST area. The source probably not related to UST but past operations at the site.</i> <p>BENEFITS OF ADDITIONAL WORK</p> <ul style="list-style-type: none"> Fill-in RI Data Gaps - <i>Better characterization of the TPH identity is need to assess if closure or remediaton is warranted.</i> <p>SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT</p> <table border="1"> <thead> <tr> <th>SENSITIVE RECEPTOR</th> <th>TIME FRAME FOR IMPACT</th> <th>COMMENTS</th> </tr> </thead> <tbody> <tr> <td>Groundwater</td> <td>Already Impacted</td> <td>The shallow groundwater is impacted by petroleum hydrocarbons and low concentrations of PCE. PCE detections in the soil suggest on-site source of PCE.</td> </tr> </tbody> </table> | | | | | | | SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | COMMENTS | Groundwater | Already Impacted | The shallow groundwater is impacted by petroleum hydrocarbons and low concentrations of PCE. PCE detections in the soil suggest on-site source of PCE. |
| SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | COMMENTS | | | | | | | | | | |
| Groundwater | Already Impacted | The shallow groundwater is impacted by petroleum hydrocarbons and low concentrations of PCE. PCE detections in the soil suggest on-site source of PCE. | | | | | | | | | | |

GROUNDWATER MONITORING FREQUENCY

OF WELLS MONITORED - OTHER : 4

REASONS FOR QUARTERLY OR MONTHLY OR OTHER GROUNDWATER MONITORING:

- Other - *Unable to locate four existing wells, assessment using direct push sampling*

10/21/2009

Meeting to discuss closure or further work at the Site Property owner's consultant is proposing site closure based on their contention that the residual TPH was not toxic and of limited extent. Board staff requested that a short term SVE test be conducted to assess the remaining mass of the TPH and PCE since the source is unknown and not fully characterized. We request that a second groundwater monitoring well be install in the core area since most of the recent data was based on sampling of grab groundwater samples and not repeatable periodic groundwater sampling.

Review Conclusions T0605901307

- Review indicates:
 - Six solvent USTs (e.g., MEK, acetone, etc.) removed on 11/17/83.
 - 2,000 gallon diesel UST removed on 5/22/04 (14 tons of PCS also removed).
 - RWQCB NFA issued for the solvent UST area in 1984, but contamination subsequently found during **building demolition** in 1985.
 - Three distinct on-site areas show solvent and hydrocarbon contamination in soil and GW.
 - GeoProbe sampling in 2008 showed 1,2-DCA above the MCL, and MTBE, TBA and TPH(d) were above the ESLs for drinking water sources.
 - In 2009, a meeting to discuss closure (requested by RP) or further work → regulator requested addition GW sampling and short-term SVE (on-going)
- Discussion:
 - Cleanup closure timeline and completion
 - Any need for additional work
- Potential closure candidate (pending recent sampling results)

NCS STOP & GO #0132 (BEACON/NCS 13349) (T0606500252)
4865 VAN BUREN BLVD, RIVERSIDE, CA 92503



Case Age: 25 years
RP Identified by Regulator: National Convenience Stores
Primary COC: Gasoline (Benzene & MTBE)
Potential Media Affected: Aquifer used for drinking water supply
Current Land Use: Vacant Lot

CLEANUP OVERSIGHT AGENCIES
 SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083301964T
 CASEWORKER: [CARL BERNHARDT](#) - SUPERVISOR: Ken Williams
 RIVERSIDE COUNTY LOP - CASE #: 89209
 CASEWORKER: [UNK](#) - SUPERVISOR: SHARON BOLTINGHOUSE

Possible Reasons Why This Case Is So Old

- Site is currently a vacant lot, but is surrounded by 3 operating gas stations (Arco, Shell and Thrifty).
- Possible commingled plumes.
- High on-site benzene concentrations have declined, but off-site contamination in street-area is still elevated.
- VB-4 (well in street) had 400-ppb benzene and 520-ppb MTBE on 3/25/09.

| ACTIVITIES REPORT | | ACTIVITY TYPE FILTER: Show All |
|--------------------|---|--------------------------------|
| ACTION TYPE | ACTION | ACTION DATE |
| RESPONSE - REPORTS | 1st Semester 2009 | 4/30/2009 |
| RESPONSE - REPORTS | 2nd Semester 2008 | 1/30/2009 |
| RESPONSE - REPORTS | Well Destruction | 10/30/2008 |
| | Activities Report | |
| RESPONSE - REPORTS | 1st Semester 2008 | 7/30/2008 |
| RESPONSE - REPORTS | Monitoring Report - Quarterly | 1/30/2008 |



NOTE: Data queried from GeoTracker and reviewed in June 2010

Activities Conducted to Date Based on GeoTracker Info
T0606500252

Assessment last 5 years

- Semi-annual GWM of mainly off-site MWs. Only 1 on-site MW is apparently operational now (MW-3).

Remediation last 5 years

- None

Assessment older than 5 years

- 1985 and 1994: 21 soil borings were drilled and 13 GWM wells were installed (on- and off-site).
- Semi-annual GWM of on-site and off-site MWs.

Remediation older than 5 years

- 8/17/98: 420-lbs of ORC was injected into the saturated zone.
- Unknown amount of soil removed during UST closure (if any).

IMPEDIMENTS TO CLOSURE T0606500252

as reported by regulatory agency

| CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 10/22/2009 | | | VIEW ALL POSSIBLE CLOSURE REVIEW VALUES |
|---|------------------------------|--|---|
| IMPEDIMENTS TO CLOSURE | | | |
| GROUNDWATER IMPACTS | | | |
| <ul style="list-style-type: none"> Groundwater Impacted Above Background - Some Off-site wells remain impacted. Some of the impacts may be from releases at the nearby Shell and Arco stations | | | |
| PROCEDURAL IMPEDIMENTS | | | |
| <ul style="list-style-type: none"> Monitoring Wells Not Yet Abandoned - Most on-site wells abandoned due to planned redevelopment, but never implemented of the site | | | |
| BENEFITS OF ADDITIONAL WORK | | | |
| <ul style="list-style-type: none"> Verify Remedial Action Effectiveness - Ongoing monitoring assessing ORC injections. On-site monitored hampered by abandonment of on-site wells for redevelopment that never happened. | | | |
| SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT | | | |
| SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | COMMENTS | |
| Groundwater | Already Impacted | Groundwater impacted from on-site and off-site releases. | |
| NOTES / COMMENTS | | | |
| Consultant for RP has discussed requesting site closure, but no formal closure request has been submitted. Due to several well abandonment phases for proposed, but never implement, site redevelopment, there is limited on-site data. Additional confirmation assessment may be warranted before final closure is considered. | | | |

GROUNDWATER MONITORING FREQUENCY

OF WELLS MONITORED - SEMI-ANNUALLY : 6

Review Conclusions T0606500252

- Review indicates:
 - 21 soil borings drilled, and 13 on-site and off-site GWM wells installed as of 1994.
 - Site is currently a vacant lot, but is surrounded by 3 UST facilities (Arco, Shell and Thrifty) → possible commingled plumes.
 - Only 1 on-site MW appears operational now (MW-3); 4 on-site MWs were properly abandoned in anticipation of redevelopment that never occurred, and MW-6 is currently dry.
 - The CSM appears to be reasonably complete, but the entire intersection area may need to be treated as 1 cleanup site.
 - MTBE was rarely detected (and at low levels) in the 6 on-site MWs.
 - On-site hydrocarbon concentrations might warrant site closure, but off-site concentrations (in street) remain elevated (400 ppb benzene and 520 ppb MTBE in well VB-4).
- Discussion:
 - Need for remediation
 - Cleanup closure timeline
- Potential closure candidate in a few years pending GW trends

CALIFORNIA REHAB CENTER (T0606500007)

5TH STREET, NORCO, CA 91760



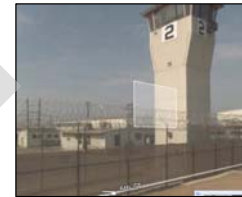
Case Age: 23 years
RP Identified by Regulator: CA State Corrections Dept.
Primary COC: MTBE, benzene, PCE and TCE
Potential Media Affected: Aquifer used for drinking water supply
Current Land Use: Prison or related

CLEANUP OVERSIGHT AGENCIES
 SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083300077T
 CASEWORKER: [TOM E. MBEKE-EKANEM](#) - SUPERVISOR: Ken Williams
 RIVERSIDE COUNTY LOP - CASE #: 88422
 CASEWORKER: [SHARON BOLTINGHOUSE](#) - SUPERVISOR: JOHN WATKINS

| ACTIVITIES REPORT | | ACTIVITY TYPE |
|-----------------------------|---|-----------------------------|
| ACTION TYPE | ACTION | ACTION DATE |
| OTHER | Technical | 3/3/2010 |
| REGULATORY ACTIONS | Correspondence / Assistance / Other | |
| NOTICES | Letter - Notice | 7/15/2009 |

Possible Reasons Why This Case Is So Old

- No cleanup has occurred despite initial MTBE and benzene concentrations (June 2006) in GW of 28,000 ppb and 530 ppb, respectively
- Apparent 8 year period of no activity in the most contaminated area (Maintenance Garage)
- 370 ppb PCE detected on 5/7/09 (unknown source)



NOTE: Data queried from GeoTracker and reviewed in June 2010

Activities Conducted to Date Based on GeoTracker Info T0606500007

Assessment last 5 years

- 2006: Combined site assessment of both the Maintenance Garage and Power Plant areas
- 2008-2009: Site assessment, GWM (4 new MWs installed in the Maintenance Garage area).
- 2006-2009: Quarterly GWM (possibly) at the 5 MWs in the Maintenance Garage area, and 3 MWs in the Power Plant area.

Remediation last 5 years

- None

Assessment older than 5 years

- 1989 and 1990: Site assessments in the Power Plant area (16 total borings drilled and two MWs installed, but one MW abandoned).
- Unstated initial frequency of sampling the MWs in the Power Plant area.
- 1998: Site assessment in the Maintenance Garage area (six soil samples collected and analyzed).

Remediation older than 5 years

- 1988: Four heating oil USTs/piping removed in the Power Plant area.
- 1998: One gas and one diesel UST removed in the Maintenance Garage area.

IMPEDIMENTS TO CLOSURE T0606500007

as reported by regulatory agency

| CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 9/1/2009 | | VIEW ALL POSSIBLE CLOSURE REVIEW VA |
|--|------------------------------|---|
| IMPEDIMENTS TO CLOSURE | | |
| SITE ASSESSMENT INCOMPLETE | | |
| <ul style="list-style-type: none"> Other - Additional subsurface investigation was conducted to more accurately define the vertical and horizontal extent of the groundwater contamination beneath the site. | | |
| GROUNDWATER IMPACTS | | |
| <ul style="list-style-type: none"> Groundwater Impacted Above Other Cleanup Goal - The concentration of MTBE in June 2006 was 28,000 ppb. In December 2006, the concentration was 14,000 ppb. The most current monitoring report analyzed in March 2007 showed MTBE concentration of 3,700 ppb. | | |
| BENEFITS OF ADDITIONAL WORK | | |
| <ul style="list-style-type: none"> Restore Beneficial Uses - Subsurface investigation was conducted to more accurately define the vertical and horizontal extent of the groundwater contamination beneath the site. | | |
| SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT | | |
| SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | COMMENTS |
| Groundwater | Already Impacted | Groundwater already impacted. |

GROUNDWATER MONITORING FREQUENCY

OF WELLS MONITORED - QUARTERLY : 4, SEMI-ANNUALLY : 4

REASONS FOR QUARTERLY OR MONTHLY OR OTHER GROUNDWATER MONITORING:

- Assessment Incomplete - Section of the site is currently being investigated

Review Conclusions T0606500007

- Review indicates:
 - MTBE in GW has declined from 28,000-ppb in June 2006 to 490-ppb in May 2009
 - Benzene has declined from 530-ppb to 1-ppb (May 2009)
 - PCE and TCE concentrations were up to 370-ppb and 10-ppb (sources unknown)
 - MTBE plume appears to remain relatively constant (based on the low concentrations in the down-gradient well 50-ft away)
 - The main contamination appears to be limited to the Maintenance Garage area
- Discussion:
 - Declining MTBE and benzene concentrations, and likely plume shrinkage
 - Elevated PCE and TCE, but not part of LUST
 - Cleanup closure timeline
- Potential closure candidate consideration

CIRCLE SEAL CONTROLS (T0605900550)

1111 N BROOKHURST ST, ANAHEIM, CA 92803



Case Age: 23 years
Primary COC: Trichloroethylene (TCE)
RP Identified: Circle Seal Controls
Potential Media Affected: Aquifer used for drinking water supply
Current Land Use: Sa-Rang Community Church
Wells: 19

CLEANUP OVERSIGHT AGENCIES
 SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083000530T
 CASEWORKER: [NANCY OLSON-MARTIN](#) - SUPERVISOR: Ken Williams
 SANTA ANA, CITY OF
 CASEWORKER: [CHRISTOPHER CIRAULO](#) - SUPERVISOR: NONE SPECIFIED

Site History
 Groundwater Extraction/reinjection discontinued in March 2004 due to loss of access from Caltrans construction and from adjacent property owners. Methane sparging/vapor extraction activities ceased in end of June 2006. Long term post remediations monitoring due to elevated concentrations of VOCs in downgradient groundwater monitoring wells.

Possible Reasons Why This Case Is So Old

- Access issue to conduct investigation and remediation.
- Contamination persists in GW.
- Three GW zones beneath the site -> all zones impacted by TCE.
- Appears to have gaps in oversight and RP involvement between 1990 and 1999, and 1999 and 2001.
- Case was transferred between agencies (City of Anaheim).



NOTE: Data queried from GeoTracker and reviewed in June 2010

Activities Conducted to Date Based on GeoTracker (T0605900550)

Assessment last 5 years

- Ongoing: GW monitoring
- 2005: Soil and Water investigation

Remediation last 5 years

- 2005-ongoing: Remedial progress report

Assessment older than 5 years

- 2002: GW monitoring
- 2002-ongoing: NPDES, and Soil and Water Investigation

Remediation older than 5 years

- 1999: GW Pump and Treat, SVE with GAC, and Air sparging
- 1990: Excavate and Dispose

IMPEDIMENTS TO CLOSURE (T0605900550)

as reported by regulatory agency

CIRCLE SEAL CONTROLS (T0605900550) - (MAP)

1111 N BROOKHURST ST
ANAHEIM, CA 92803
ORANGE COUNTY
LUST CLEANUP SITE

CLEANUP OVERSIGHT AGENCIES
SANTA ANA RWQCB (REGION 8) (LEAD) - CASE # 0830006967
CASEWORKER: CARL BERNHARDT
ANAHEIM, CITY OF
CASEWORKER: RALPH MCCAFFREY

Summary Closure Review Cleanup Status History Regulatory Activities Environmental Data (ESI) Site Maps / Documents Community Involvement

CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 11/9/2009

[VIEW ALL POSSIBLE CLOSURE REVIEW VALUES](#)

IMPEDIMENTS TO CLOSURE

SITE ASSESSMENT INCOMPLETE

- Potential Risks, Threats, And Other Environmental Concerns Have Not Been Adequately Identified And Assessed - Vapor intrusion risk to church facility may need to be considered before concur with closure

PLUME INSTABILITY

- Groundwater Contamination Plume Not Stable or Decreasing - Further monitoring needed to demonstrate plume stability
- Verification Monitoring Not Complete - Further MNA monitoring necessary to demonstrate plume stability

GROUNDWATER IMPACTS

- Groundwater Impacted Above Background - Several chlorinated VOCs above MCLs
- Groundwater Impacted Above Other Cleanup Goal - 1,4-Dioxane above MCLs/Notification levels.

PROCEDURAL IMPEDIMENTS

- Regional Water Board Objects to Closure - Board staff requesting further MNA monitoring to demonstrate plume stability since monitoring of several wells were discontinued even though showed increasing trends.
- Other - Orange County Water District objects to closure of the site and wants cleanup to more stringent cleanup goals

BENEFITS OF ADDITIONAL WORK

- Verify Remedial Action Effectiveness - Further MNA necessary to demonstrate plume stability

SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT

| SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | COMMENTS |
|--------------------|-----------------------|--|
| Municipal Well | Undetermined | La Palma Wellfield to the southeast of the site. |
| Groundwater | Already Impacted | Several water bearing zones impacted by discharges of VOCs |

GROUNDWATER MONITORING FREQUENCY

OF WELLS MONITORED - SEMI-ANNUALLY : 11, OTHER : 39

REASONS FOR QUARTERLY OR MONTHLY OR OTHER GROUNDWATER MONITORING:

- Other - 39 Wells not being monitored. However, increasing trends in the wells may result in some additional wells to be included in the semi-annual sampling.

Review Conclusions T0608500618

- Review indicates:
 - Closure Review stated that *“Orange County Water District objects to closure of the site and wants cleanup to more stringent cleanup goals”* and *“Vapor intrusion risk to church may need to be considered before concur with closure.”*
 - In 2005, consultant stated that *“95% of the mass is already remediated.”*
 - No assessment documents upload to GeoTracker (only monitoring reports).
 - GWM report (2009) stated that TCE impact is primarily at Zone A and B, and overall mean concentrations have decreased over time. Maximum TCE and 1,4-dioxane GW detections were 240-ppb and 140-ppb, respectively.
- Discussion:
 - GW contamination trend
 - Need for vapor intrusion investigation?
- Potential closure consideration pending GW trends

BFM ENERGY PRODUCTS CORP. (T0605900807)

2040 E DYER ROAD, SANTA ANA, CA 92705



Case Age: 22 years
Primary COC: Solvents
RP Identified: Commercial Energy Products
Potential Media Affected: Aquifer used for drinking water supply
Current Land Use: Commercial

CLEANUP OVERSIGHT AGENCIES
 SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083001019T
 CASEWORKER: CARL BERNHARDT - SUPERVISOR: Ken Williams
 SANTA ANA, CITY OF
 CASEWORKER: CHRISTOPHER CIRAULO - SUPERVISOR: NONE SPECIFIED



Possible Reasons Why This Case Is So Old

- Persistent GW contamination (VOCs)
- Appears to have gap in oversight and RP involvement at the beginning of the project (1990 and 1995, and 1998 and 2001)
- Recalcitrant RP (GeoTracker non-compliance) SLIC Site?

NOTE: Data queried from GeoTracker and reviewed in June 2010

| ACTIVITIES REPORT | | ACTIVITY TYPE FILTER: Show All Activities | |
|----------------------|--|---|-----------------------|
| ACTION TYPE | ACTION | ACTION DATE | RECEIVED / ISSUE DATE |
| RESPONSE - REPORTS | Groundwater Monitoring Report - First Half 2009 | 7/30/2009 | 7/27/2009 |
| ENFORCEMENT/ORDERS | Verbal Enforcement | 4/20/2009 | 4/20/2009 |
| RESPONSE - REPORTS | 2nd Semi-Annual Groundwater Monitoring Report 2008 | 1/30/2009 | 4/13/2009 |
| RESPONSE - REPORTS | Monitoring Report - Quarterly | 1/30/2009 | |
| RESPONSE - REPORTS | Monitoring Report - Quarterly | 7/30/2008 | |
| RESPONSE - WORKPLANS | Other Workplan | 6/9/2008 | 6/9/2008 |

Activities Conducted to Date Based on GeoTracker (T0605900807)

Assessment last 5 years

- Ongoing: Monitoring
- 2005: Soil and Water investigation

Remediation last 5 years

- Ongoing: Remediation (multi-phase extraction system)

Assessment older than 5 years

- 2002-ongoing: Monitoring

Remediation older than 5 years

- 2003: CAP/RAP
- 2001: Enhanced biodegradation
- 1996: SVE with Other
- 1995: Excavate and Treat
- 1990: GW Pump and Treat (shut down in 1994 and restarted in 1996)

IMPEDIMENTS TO CLOSURE (T0605900807)

as reported by regulatory agency

BFM ENERGY PRODUCTS CORP. (T0605900807) - (MAP)

2040 E DYER RD
SANTA ANA, CA 92705
ORANGE COUNTY
LUST CLEANUP SITE

CLEANUP OVERSIGHT AGENCIES
SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 063001019T
CASEWORKER: CARL BERNHARDT
SANTA ANA, CITY OF
CASEWORKER: CHRISTOPHER GIRAULO

| | | | | | | |
|---------|----------------|------------------------|-----------------------|--------------------------|-----------------------|-----------------------|
| Summary | Closure Review | Cleanup Status History | Regulatory Activities | Environmental Data (ESI) | Site Maps / Documents | Community Involvement |
|---------|----------------|------------------------|-----------------------|--------------------------|-----------------------|-----------------------|

CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 9/21/2009 [VIEW ALL POSSIBLE CLOSURE REVIEW VALUES](#)

| | | |
|---|------------------------------|------------------------------|
| IMPEDIMENTS TO CLOSURE | | |
| GROUNDWATER IMPACTS | | |
| <ul style="list-style-type: none"> Groundwater Impacted Above Background - Groundwater Impacted with VOCs above MCLs Groundwater Impacted Above Other Cleanup Goal - Groundwater impacted with total chlorinated VOCs greater than 100 ug/l | | |
| BENEFITS OF ADDITIONAL WORK | | |
| <ul style="list-style-type: none"> Verify Remedial Action Effectiveness - Ongoing monitoring to evaluate reduction of mass of chlorinated VOCs Remove / Reduce Source Mass - Ongoing Enhanced Bioremediation. | | |
| SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT | | |
| SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | COMMENTS |
| Groundwater | Already Impacted | Groundwater Already Impacted |

GROUNDWATER MONITORING FREQUENCY

OF WELLS MONITORED - SEMI-ANNUALLY : 31, OTHER : 25

REASONS FOR QUARTERLY OR MONTHLY OR OTHER GROUNDWATER MONITORING:

- Other - 25 wells not being sampled. 18 wells were abandoned.

Review Conclusions T0605900807

- Review indicates:
 - Site is impacted with elevated VOCs in GW
 - On-going enhanced bioremediation on site (various on-going remediation since 1998)
 - GW report (second half 2009) showed mostly decline in VOC concentrations in GW across the site (with the exception of MW-67B)
- Discussion:
 - Site closure timeline?
 - Appears to be a SLIC site contaminated with chlorinated VOC Compounds, not a petroleum LUST Site?
- Potential closure candidate (pending GW trends)

ARCO #5214 (T0607100180)

305 REDLANDS BLVD, SAN BERNARDINO, CA 92408



Case Age: 20 Years
RP Identified by Regulator: Arco Petroleum Products
Primary COC: Gasoline
Potential Media Affected: Aquifer used for drinking water supply
Current Land Use: Gas Station

CLEANUP OVERSIGHT AGENCIES
 SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083601595T
 CASEWORKER: [VALERIE JAHN-BULL](#) - SUPERVISOR: Ken Williams
 SAN BERNARDINO COUNTY LOP - CASE #: 90089

| ACTIVITIES REPORT | | ACTIVITY TYPE FILTER: Show All Activities | | Go | * INDICATES A REVISED DUE DATE |
|--------------------------|---|---|-----------------------|---|--------------------------------|
| ACTION TYPE | ACTION | ACTION DATE | RECEIVED / ISSUE DATE | ACTION DESCRIPTION | |
| OTHER REGULATORY ACTIONS | File review | 3/9/2010 | 3/9/2010 | RB rev'd 4th qtr - all site wells w/GH2O req'd to be sampled for post-remediation. RB to evaluate closure following 2nd qtr '10 data. | |
| RESPONSE - REPORTS | Monitoring Report - Semi-Annually | 1/31/2010 | 1/19/2010 | 4th Qtr 2009 (Semi) GH2O Report | |
| OTHER REGULATORY ACTIONS | File review | 8/13/2009 | 8/13/2009 | RB reviewed 2nd qtr data - many wells are dry - RB sent correspondence requiring add'l wells be incorporated back into monitoring regime. | |
| RESPONSE - REPORTS | Monitoring Report - Semi-Annually | 7/30/2009 | 7/16/2009 | 2nd qtr 2009 GH2O Report | |
| ENFORCEMENT/ORDERS | Staff Letter | 7/28/2009 | 7/28/2009 | Resolution - GWS frequency | |

Possible Reasons Why This Case Is So Old

- Free product historically observed on site.
- Active remediation ceased in 2007, and the site is now in the verification monitoring phase. The site could be ready for closure pending results from the 1st half 2010 monitoring event.



NOTE: Data queried from GeoTracker and reviewed in June 2010

Activities Conducted to Date Based on GeoTracker Info

T0607100180

Assessment last 5 years

- Ongoing: Groundwater Monitoring

Remediation last 5 years

- 1995-2007: SVE/AS system was in operation at the site

Assessment older than 5 years

- 1989: Site assessment began
- 1990, 1991, 1994, 1995, 1997, 2000, 2003: Additional Assessments were conducted and wells advanced

Remediation older than 5 years

- 1992: Existing facilities and USTs removed and replaced
- 1997-2007: SVE/AS system installed in 1995, expanded in 1997 and operated until 2007

IMPEDIMENTS TO CLOSURE (T0607100180)

as reported by regulatory agency

| CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 8/17/2009 | | |
|---|------------------------------|---------------------|
| VIEW ALL POSSIBLE CLOSURE REVIEW | | |
| IMPEDIMENTS TO CLOSURE | | |
| PLUME INSTABILITY | | |
| <ul style="list-style-type: none"> Significant Rebound In Concentrations After Remediation - Significant ethanol and BTEX hits reported during post-remediation GW monitoring Verification Monitoring Not Complete - Ad/I monitoring required for reason above | | |
| WELL IMPACTS | | |
| <ul style="list-style-type: none"> Municipal Wells Potentially Impacted - Municipal wells located directly adjacent to site, but reportedly there is no connectivity w/production aquifer. | | |
| BENEFITS OF ADDITIONAL WORK | | |
| <ul style="list-style-type: none"> Verify Remedial Action Effectiveness - Confirmation sampling verified vadose zone reductions from SVE - residual GW impacts - significant ethanol and BTEX hits reported during post-remediation GW monitoring Protect Designated Beneficial Uses - GW designated beneficial per Basin Plan Restore Beneficial Uses - GW designated beneficial per Basin Plan Protect Existing Water Supply Wells - Municipal wells located directly adjacent to site, but reportedly there is no connectivity w/production aquifer. | | |
| SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT | | |
| SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | COMMENTS |
| Groundwater | Already impacted | onsite/offsite MtBE |

GROUNDWATER MONITORING FREQUENCY

OF WELLS MONITORED - SEMI-ANNUALLY : 26

REASONS FOR QUARTERLY OR MONTHLY OR OTHER GROUNDWATER MONITORING:

- Well Being Sampled for Post-Remedial Action Verification Monitoring - Limited wells set generated insufficient data to evaluate closure

Review Conclusions T0607100180

- Review indicates:
 - RP requested for closure on 03/31/2010.
 - Case is now in Post-Remediation Monitoring.
 - Semi-annual monitoring continues until CoCs drop below levels of concern → GW monitoring detected significant ethanol and BTEX.
 - In a letter from the RWQCB to a potential buyer of the property, closure will be evaluated after the first half of 2010 (pending 2nd quarter 2010 data).
- Discussion:
 - Track GW results for closure
- Potential closure candidate

PERRIS AUTO REPAIR (T0606500308)

24 SOUTH "D" ST., PERRIS, CA 92570



Case Age: 17 Years
RP Identified by Regulator: Perris Auto Repair (new RP is the City)
Primary COC: Gasoline
Potential Media Affected: Aquifer used for drinking water supply
Current Land Use: Vacant land / Brownfield

CLEANUP OVERSIGHT AGENCIES
 SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 063302213T
 CASEWORKER: [NANCY OLSON-MARTIN](#) - SUPERVISOR: Ken Williams
 RIVERSIDE COUNTY LOP - CASE #: 93062
 CASEWORKER: [UNK](#) - SUPERVISOR: SHARON BOLTINGHOUSE

| ACTION TYPE | ACTION | ACTION DATE | RECEIVED / ISSUE DATE | ACTION DESCRIPTION |
|--------------------|--|-------------|-----------------------|--|
| RESPONSE - OTHER | Conference Call and E-Mails | 2/19/9009 | 2/19/2009 | |
| RESPONSE - REPORTS | 1st Quarter 2010 Groundwater Monitoring Report | 4/30/2010 | 4/15/2010 | Groundwater monitoring activities were conducted on March 8, 2010. The groundwater gradient direction was to the east. Depth to groundwater ranged from 43.74 feet (MW1) 44.02 feet (MW2) bgs. Except for a TPH-g concentration of 270 ppb detected in the samples collected from well MW-1, all of the results were ND. |
| RESPONSE - OTHER | Soil Remediation Update | 4/21/2010 | 4/21/2010 | Soil remediation pending City budget approval. |

Possible Reasons Why This Case Is So Old

- Original RP was recalcitrant, this site and an adjacent ARCO site are now owned by the city and are undergoing assessment.
- The original monitoring wells were improperly screened and had to be abandoned and replaced.
- Laboratory analysis of the first round of groundwater testing used an inappropriate detection limit.



NOTE: Data queried from GeoTracker and reviewed in June 2010

Activities Conducted to Date Based on GeoTracker Info

T0606500308

Assessment last 5 years

- 2007-2009: Groundwater and soil assessments

Remediation last 5 years

- NONE DOCUMENTED

Assessment older than 5 years

- NONE DOCUMENTED

Remediation older than 5 years

- NONE DOCUMENTED

IMPEDIMENTS TO CLOSURE T0606500308

as reported by regulatory agency

| CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 8/3/2009 | | VIEW ALL POSSIBLE CLOSURE REVIEW VALUES |
|--|------------------------------|---|
| IMPEDIMENTS TO CLOSURE | | |
| SITE ASSESSMENT INCOMPLETE | | |
| <ul style="list-style-type: none"> Extent of Contamination Has Not Been Determined - Wells MW1 through MW3 were recently installed. Sensitive Receptor Survey Has Not Been Completed - Sensitive Receptor Survey is required. | | |
| INADEQUATE SOURCE CONTROL | | |
| <ul style="list-style-type: none"> Remaining Source Poses Threat to Groundwater - Unknown since assessment just started at the site. | | |
| PLUME INSTABILITY | | |
| <ul style="list-style-type: none"> Groundwater Contamination Plume Not Stable or Decreasing - Unknown since monitoring just recently started at the site. Verification Monitoring Not Complete - Still completing assessment for the site. | | |
| GROUNDWATER IMPACTS | | |
| <ul style="list-style-type: none"> Groundwater Impacted Above Other Cleanup Goal - Still pending assessment and monitoring for the site. | | |
| WELL IMPACTS | | |
| <ul style="list-style-type: none"> Other - Unknown | | |
| UNACCEPTABLE RISK | | |
| <ul style="list-style-type: none"> Unacceptable Risks to Human Health from Soil - A vapor health risk assessment is required due to a change in land use to residential/commercial mixed. They are currently conducting a soil gas survey as needed work required for the vapor risk assessment (due by 8/28/09). Unacceptable Risks to Human Health from Vapor Intrusion - Unknown at this time. Other - Currently, assessing the vapor risk threat. | | |
| LAND USE IMPEDIMENTS | | |
| <ul style="list-style-type: none"> Proposed Change In Land Use (Need Additional RI and/or Cleanup) - Change to mixed residential/commercial land use. A vapor risk assessment was required by Regional Board staff. | | |
| PROCEDURAL IMPEDIMENTS | | |
| <ul style="list-style-type: none"> Non-Responsive and / or Recalcitrant Responsible Party - The original RP did not have funds and did not qualify for FUND reimbursements. Recently, the City of Perris purchased this site and the adjacent property. The City is now conducting the needed site assessment. RP Says They Do Not Have Adequate Funds to Initiate or Continue Work at the Site - Historically, the problem with the former RP. Regional Water Board Objects to Closure - Conducting a vapor risk assessment and site assessment (gas, soil, and groundwater). Pending remediation and verification sampling. | | |
| BENEFITS OF ADDITIONAL WORK | | |
| <ul style="list-style-type: none"> Verify Remedial Action Effectiveness - Need to complete assessment at the site. Remove / Reduce Source Mass - Need to complete assessment at the site. Protect Human Health - Vapor health risk assessment is required. | | |
| SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT | | |
| SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | COMMENTS |
| Groundwater | Already Impacted | Groundwater is slightly impacted. |

Review Conclusions T0606500308

- Review indicates:
 - Land use has recently changed to Residential/Commercial mixed use.
 - Land use change has prompted renewed work at the site and concern for potential vapor intrusion for any new structures erected.
 - Original RP was recalcitrant, the city now owns the property and is conducting assessment and cleanup.
 - The monitoring wells were improperly screened and had to be abandoned and replaced → testing results could not rule out contamination.
 - As of April 2010, soil remediation is pending City budget approval.
- Discussion:
 - Cleanup closure timeline
 - GW results from April 2010 sampling
- Potential closure candidate (pending GW trends)

MOBIL #18-FHE (T0605900668)

506 N STATE COLLEGE BLVD., FULLERTON, CA 92631



Case Age: 18 years
Primary COC: Gasoline
RP Identified: Mobile Oil Corp.
Potential Media Affected: Aquifer used for drinking water supply
Current Use: Gas Station

CLEANUP OVERSIGHT AGENCIES
 SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083000847T
 CASEWORKER: [ROSE SCOTT](#) - SUPERVISOR: Ken Williams
 FULLERTON, CITY OF
 CASEWORKER: [STEPHEN LONG](#) - SUPERVISOR: NONE SPECIFIED



Possible Reasons Why This Case Is So Old

- Site is in post-remediation verification monitoring phase of cleanup
- Consultant plans on conducting two more monitoring events, then submitting a request for closure in the 3rd quarter 2010

NOTE: Data queried from GeoTracker and reviewed in June 2010

| ACTIVITIES REPORT | | ACTIVITY TYPE FILTER: Show All Activities |
|--------------------------|---|---|
| ACTION TYPE | ACTION | ACTION DATE |
| OTHER REGULATORY ACTIONS | Technical Correspondence / Assistance / Other | 12/10/2009 |
| ENFORCEMENT/ORDERS | Staff Letter | 7/29/2009 |
| ENFORCEMENT/ORDERS | Staff Letter | 4/6/2009 |
| OTHER REGULATORY ACTIONS | Technical Correspondence / Assistance / Other | 1/8/2009 |
| OTHER REGULATORY ACTIONS | Technical Correspondence / Assistance / Other | 11/19/2008 |
| OTHER REGULATORY ACTIONS | Technical Correspondence / Assistance / Other | 4/11/2008 |
| RESPONSE - WORKPLANS | Other Workplan | 3/30/2008 |
| RESPONSE - REPORTS | Monitoring Report - Quarterly | 1/30/2008 |

Activities Conducted to Date Based on GeoTracker Info T0605900668

Assessment last 5 years

- 2009: Confirmation borings
- 2002-ongoing: Quarterly groundwater sampling

Remediation last 5 years

- 2005: Mobile vacuum extraction events
- 2006-2008: SVE system

Assessment older than 5 years

- 1994: Assessment began
- 1995-2004: Nine vapor extraction wells and ten groundwater monitoring wells installed at the site

Remediation older than 5 years

- 1994: Soil excavation

IMPEDIMENTS TO CLOSURE (T0605900668)

as reported by regulatory agency

| CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 11/10/2009 | |
|---|------------------------------|
| IMPEDIMENTS TO CLOSURE | |
| PLUME INSTABILITY | |
| <ul style="list-style-type: none"> • Verification Monitoring Not Complete - <i>Confirmation sampling workplan submitted June 2009.</i> | |
| BENEFITS OF ADDITIONAL WORK | |
| <ul style="list-style-type: none"> • Verify Remedial Action Effectiveness - <i>Confirmation boring workplan submitted June 2009.</i> | |
| SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT | |
| SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT |
| Groundwater | Already Impacted |

| GROUNDWATER MONITORING FREQUENCY | |
|--|--|
| # OF WELLS MONITORED - SEMI-ANNUALLY : 3, ANNUALLY : 6 | |
| REASONS FOR QUARTERLY OR MONTHLY OR OTHER GROUNDWATER MONITORING: | |
| <ul style="list-style-type: none"> • Well Being Sampled for Post-Remedial Action Verification Monitoring - <i>Onsite remediation is being verified.</i> | |

Review Conclusions T0605900668

- Review indicates:
 - Site is in post remediation sampling
 - Consultant plans on requesting closure in the third quarter 2010 (pending GW monitoring results)
 - Site is currently an active gas station
- Discussion:
 - Track site closure progress
- Potential closure candidate

REDMAN PROPERTY (T0606500134)

520 RILEY ST., LAKE ELSINORE, CA 92530



Case Age: 16 Years
RP Identified by Regulator: Riverside County
Primary COC: Gasoline
Potential Media Affected: Aquifer used for drinking water supply
Current Land Use: Vacant land / Brownfield

CLEANUP OVERSIGHT AGENCIES
 SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083301248T
 CASEWORKER: [NANCY OLSON-MARTIN](#) - SUPERVISOR: Ken Williams
 RIVERSIDE COUNTY LOP - CASE #: 94051
 CASEWORKER: [UNK](#) - SUPERVISOR: SHARON BOLTINGHOUSE

GROUNDWATER MONITORING FREQUENCY

OF WELLS MONITORED -

REASONS FOR QUARTERLY OR MONTHLY OR OTHER GROUNDWATER MONITORING:

- Assessment Incomplete - No sampling over the past 4-5 years. Sampling proposed for 2nd Quarter 2009 sampling event.
- Well Being Sampled Within First Year of Being Installed - No sampling over the past several years.
- Well Has Not Shown Reliable Consistency Yet To Warrant Reduction in Sampling Frequency - No sampling for the past several years.



Possible Reasons Why This Case Is So Old

- Site is mired in litigation since release was discovered
- A real estate transaction that would have funded the assessment and remediation fell through in 2009
- GW at the site contains low levels of chlorinated solvents from an unknown source

NOTE: Data queried from GeoTracker and reviewed in June 2010

| ACTIVITIES REPORT | | ACTIVITY TYPE FILTER: Show All Activities |
|----------------------|---|---|
| ACTION TYPE | ACTION | ACTION DATE |
| RESPONSE - REPORTS | Quarterly Groundwater Monitoring Report | 7/19/2010 |
| RESPONSE - WORKPLANS | Work Plan for Permanent Monitoring Well in the Area of SB-2 | 7/19/2010 |
| ENFORCEMENT/ORDERS | Staff Letter | 5/24/2010 |
| RESPONSE - REPORTS | Vertical Soil and Groundwater Investigation Report | 5/12/2010 |
| RESPONSE - OTHER | Site Assessment Status | 3/9/2010 |
| ENFORCEMENT/ORDERS | Staff Letter | 2/26/2010 |
| RESPONSE - WORKPLANS | Workplan for Additional Soil and Groundwater Assessment | 2/16/2010 |
| RESPONSE - REPORTS | CAP/RAP - Feasibility Study Report | 7/19/2010 |

Activities Conducted to Date Based on GeoTracker Info

T0606500134

Assessment last 5 years

- 2008 and 2009: Groundwater sampled

Remediation last 5 years

- NONE DOCUMENTED

Assessment older than 5 years

- 1993-1997: Site investigations
- 1990's and 2000: Monitoring wells were sampled

Remediation older than 5 years

- 1993: USTs removed

IMPEDIMENTS TO CLOSURE T0606500134

as reported by regulatory agency

| CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 8/3/2009 | | |
|---|------------------------------|--|
| VIEW ALL POSSIBLE CLOSURE REVIEW VALUE | | |
| IMPEDIMENTS TO CLOSURE | | |
| SITE ASSESSMENT INCOMPLETE | | |
| <ul style="list-style-type: none"> • Pollutant Sources Have Not Been Adequately Identified or Evaluated - <i>No sampling over several years. Sampling event was proposed for the 2nd Quarter 2009.</i> • Extent of Contamination Has Not Been Determined - <i>See above.</i> • Sensitive Receptor Survey Has Not Been Completed - <i>No survey conducted recently.</i> | | |
| INADEQUATE SOURCE CONTROL | | |
| <ul style="list-style-type: none"> • Remaining Source Poses Threat to Groundwater - <i>Current contaminant concentrations are unknown at this time.</i> | | |
| PLUME INSTABILITY | | |
| <ul style="list-style-type: none"> • Groundwater Contamination Plume Not Stable or Decreasing - <i>Unknown at this time.</i> • Significant Rebound In Concentrations After Remediation - <i>Unknown at this time.</i> • Verification Monitoring Not Complete - <i>No remediation completed for the site and verification monitoring still pending.</i> | | |
| GROUNDWATER IMPACTS | | |
| <ul style="list-style-type: none"> • Groundwater Impacted Above Other Cleanup Goal - <i>Unknown at this time. Several years ago, VOCs exceeded Region 8's Low-Risk Criteria Guidelines.</i> • Other - <i>A four year-hiatus of sampling/work conducted at the subject site. Due to the proposed property transaction and then the terminated transaction between prospective new owners and the County, 1st Quarter 2009 event was not completed. The county's consultant will assume consulting duties and will conduct the 2nd Quarter 2009 event.</i> | | |
| UNACCEPTABLE RISK | | |
| <ul style="list-style-type: none"> • Other - <i>Unknown at this time.</i> | | |
| LAND USE IMPEDIMENTS | | |
| <ul style="list-style-type: none"> • Other - <i>Unknown at this time.</i> | | |
| PROCEDURAL IMPEDIMENTS | | |
| <ul style="list-style-type: none"> • Non-Responsive and / or Recalcitrant Responsible Party - <i>The Redman's bought the site from the County and contamination was detected. A lawsuit resulted in the decision that the County was responsible for site assessment and cleanup and were required to buy the property back from the Redman's. Due to a delay in the County's contract approval process and approval by the Board of Supervisors, another delay resulted. Last year, another party was interested in the purchase of the property (and would assume liability). However, based on the 2008 development moratorium adopted by the City of Lake Elsinore and the crash of the economy (value of the property took a dive), the prospective buyer pulled out of the deal. The County hired a new environmental manager to take over the site responsibilities.</i> • Regional Water Board Objects to Closure - <i>A four-year hiatus of the site. Pending 2nd Quarter 2009 sampling/monitoring results. No remediation or verification sampling conducted to date at the site.</i> | | |
| Other Impediments | | |
| <ul style="list-style-type: none"> • Litigation, prospective buyer(s), etc. | | |
| BENEFITS OF ADDITIONAL WORK | | |
| <ul style="list-style-type: none"> • Verify Remedial Action Effectiveness - <i>No remediation or verification sampling completed.</i> • Remove / Reduce Source Mass - <i>No remediation conducted to date at the site.</i> • Protect Designated Beneficial Uses - <i>Municipal Use designation by the Basin Plan.</i> • Protect Existing Water Supply Wells - <i>The nearest production well is located two (2) miles to the southeast of the site. The groundwater in the deeper aquifer well (Well 21J) was measured at 240 feet bgs in December 1994.</i> • Protect Ecological Receptors - <i>The site is located approximately 4,000 feet northeast of Lake Elsinore.</i> | | |
| SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT | | |
| SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | COMMENTS |
| Groundwater | Already Impacted | Groundwater is impacted. |
| Surface Water (Bay, Estuary, Stream, Lake) | Undetermined | Site is located upgradient of Lake Elsinore. |

Review Conclusions T0606500134

- Review indicates:
 - RP is Riverside County.
 - Remediation has been held up by a failed property transaction, and litigation.
 - Based on past work and more recent sampling events, the plume appears to be naturally attenuating.
 - “Protect Existing Water Supply Wells” is listed as a benefit of additional work, however, the plume does not extend off site and the nearest production well is two miles from the site and is not likely to be impacted.
 - “Protect Ecological Receptors “ is listed as a benefit of additional work, however, the plume does not extend off site and the receptor listed is 4000’ from the site, and is not likely to be impacted.
 - Possible off-site source of MTBE contamination.
- Discussion:
 - GW plume contamination appears to have been stabilized contained on-site → need for remediation?
 - Closure timeline?
- Potential closure candidate pending GW trends

LEVITZ FURNITURE (T0607100391)

736 INLAND CENTER DR., SAN BERNARDINO, CA 92408

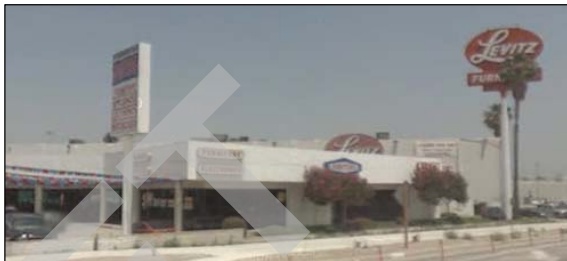


Case Age: 15 years
Primary COC: Fuel oxygenates
RP Identified: Levitz Furniture
Potential Media Affected: Aquifer used for drinking water supply
Current Land Use: American Tex-Chem Corp?

CLEANUP OVERSIGHT AGENCIES
 SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083602715T
 CASEWORKER: [CARL BERNHARDT](#) - SUPERVISOR: Ken Williams
 SAN BERNARDINO COUNTY LOP - CASE #: 95053
 CASEWORKER: [JACKSON CRUTSINGER](#) - SUPERVISOR: MARILYN KRAFT

Possible Reasons Why This Case Is So Old

- Extent of contamination in soil is not fully defined/delineated.
- Case was transferred between agencies.
- Appears to have years of gap in oversight and RP involvement until recently (1995 and 2009).



NOTE: Data queried from GeoTracker and reviewed in June 2010

Activities Conducted to Date Based on GeoTracker (T0607100391)

Assessment last 5 years

- 2008: Site investigation

Remediation last 5 years

- 2008/09: Remediation

Assessment older than 5 years

- NONE DOCUMENTED

Remediation older than 5 years

- NONE DOCUMENTED

IMPEDIMENTS TO CLOSURE (T0607100391)

as reported by regulatory agency

LEVITZ FURNITURE (T0607100391) - (MAP)

736 INLAND CENTER DR.
SAN BERNARDINO, CA 92408
SAN BERNARDINO COUNTY
LUST CLEANUP SITE

CLEANUP OVERSIGHT AGENCIES
SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083602715T
CASEWORKER: CARL BERNHARDT
SAN BERNARDINO COUNTY LOP - CASE #: 95053
CASEWORKER: JACKSON CRUTSINGER

Summary Closure Review Cleanup Status History Regulatory Activities Environmental Data (ES) Site Maps / Documents Community Involvement

CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 1/20/2010

[VIEW ALL POSSIBLE CLOSURE REVIEW VALUES](#)

IMPEDIMENTS TO CLOSURE

SITE ASSESSMENT INCOMPLETE

- Extent of Contamination Has Not Been Determined - *The extent of the affected soil is being define to the N and NE to find residual mass that appears to preventing reduction in SVE influent.*

INADEQUATE SOURCE CONTROL

- Remaining Source Poses Threat to Groundwater - *Groundwater levels have dropped approximately 40 feet. While the deeper wells show low to ND concentrations of gasoline constituents, the shallower impacted soil pose potential further risk when water levels rebound.*

BENEFITS OF ADDITIONAL WORK

- Fill-in RI Data Gaps - *Additional assessment to find additional mass contributing to SVE influent concentrations not reaching low, asymptotic concentrations.*
- Remove / Reduce Source Mass - *Remove mass that may impact water quality again once water levels rebound.*

SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT

| SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | COMMENTS |
|--------------------|-----------------------|---|
| Groundwater | Already Impacted | Groundwater impacted with free product prior to drop in water levels. |

| ACTIVITIES REPORT | | ACTIVITY TYPE FILTER: | Show All Activities | Go | * INDICATES A REVISED DUE DATE |
|--------------------------|---|-----------------------|-----------------------|---|--------------------------------|
| ACTION TYPE | ACTION | ACTION DATE | RECEIVED / ISSUE DATE | ACTION DESCRIPTION | |
| ENFORCEMENT/ORDERS | Staff Letter | 1/12/2010 | 1/12/2010 | Approval of Interim Confirmation Sampling | |
| REFERRAL TO OTHER AGENCY | Referral to Regional Board | 11/17/2009 | 11/17/2009 | Transfer Agreement | |
| REFERRAL TO OTHER AGENCY | Referral to Regional Board | 11/17/2009 | 11/17/2009 | Transfer of Lead Status | |
| RESPONSE - REPORTS | 3rd Qtr 2009 | 11/13/2009 | 11/13/2009 | | |
| ENFORCEMENT/ORDERS | 13267 Monitoring Program | 10/1/2009 | 10/1/2009 | Groundwater Frequency Letter | |
| ENFORCEMENT/ORDERS | 13267 Monitoring Program | 10/1/2009 | 10/1/2009 | Monitoring Proposal Not Received | |
| ENFORCEMENT/ORDERS | 13267 Monitoring Program | 7/9/2009 | 7/9/2009 | Monitoring Frequency Change | |
| OTHER REGULATORY ACTIONS | Technical Correspondence / Assistance / Other | 4/20/2009 | 4/20/2009 | Workplan for Site Assessment | |
| ENFORCEMENT/ORDERS | Staff Letter | 2/25/2009 | 2/25/2009 | Quarterly Status Report Comments | |
| LEAK ACTION | Leak Reported | 10/16/1995 | | | |
| LEAK ACTION | Leak Discovery | 10/11/1995 | | | |
| LEAK ACTION | Leak Stopped | 10/11/1995 | | | |
| ENFORCEMENT - OTHER | Unknown | | | | |

Review Conclusions T0607100391

- Review indicates:
 - Appears that limited investigation was conducted at this site until recently.
 - Site has on-going remediation (began in 2008).
 - Issue with potential migration of contamination from shallow soil to GW when the GW level rebounds.
 - Recent GW sampling (April 2010) indicated NDs for all contaminants.
- Discussion:
 - Potential closure and closure timeline?
- Potential closure candidate

**WRIGHT PETROLEUM (AKA G&M OIL COMPANY STATION #40)
(T0605900466)**

23991 EL TORO RD., LAGUNA HILLS, CA 92667



Case Age: 24 Years
RP Identified by Regulator: Wright Petroleum
Primary COC: Diesel
Potential Media Affected: Aquifer used for drinking water supply
Current Land Use: Gas Station

CLEANUP OVERSIGHT AGENCIES
 SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083000580T
 CASEWORKER: [NANCY OLSON-MARTIN](#) - SUPERVISOR: Ken Williams
 ORANGE COUNTY LOP - CASE #: 85UT052



Possible Reasons Why This Case Is So Old

- There appear to be multiple releases at this site, with the most recent occurring in 2003.
- MTBE appears to be migrating on site from the adjacent Shell site (commingled).
- LNAPLs detected as recently as 2004
- RP has financial constraint

NOTE: Data queried from GeoTracker and reviewed in June 2010

| ACTIVITIES REPORT | | ACTIVITY TYPE FILTER: Show All |
|--------------------|--|--------------------------------|
| ACTION TYPE | ACTION | ACTION DATE |
| RESPONSE - OTHER | Implementation of the Ozone Sparge Injection and Treatment System | 9/30/2010 |
| RESPONSE - OTHER | DPE Pilot Test Results Report | 4/16/2010 |
| ENFORCEMENT/ORDERS | Staff Letter | 3/17/2010 |
| RESPONSE - OTHER | Ozone Sparge Well Installation/Additional Site Investigation Report | *6/30/2010 |
| RESPONSE - OTHER | E-Mail from Consultant | 1/25/2010 |
| RESPONSE - REPORTS | 4th Quarter 2009 Groundwater Monitoring Report | *2/16/2010 |
| RESPONSE - REPORTS | Wells RYA-7, RYA-10, WP-15, and MW-12 through MW-14 | *10/1/2009 |
| RESPONSE - REPORTS | 3rd Quarter Status Report and Groundwater Monitoring & Sampling Report | *11/9/2009 |

Activities Conducted to Date Based on GeoTracker Info

T0605900466

Assessment last 5 years

- Ongoing: Groundwater monitoring

Remediation last 5 years

- 2010: Ozone sparging is planned for the 1st Quarter
- 2005-2007: SVE conducted in phases

Assessment older than 5 years

- 1991: Site assessment and remedial activities began.
- Multiple rounds of assessment conducted

Remediation older than 5 years

- 1991-2005: Groundwater extraction system
- 1993-1998: Vapor extraction system

IMPEDIMENTS TO CLOSURE T0605900466

as reported by regulatory agency

| CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 8/3/2009 | | VIEW ALL POSSIBLE CLOSURE REVIEW VALUES |
|--|------------------------------|---|
| IMPEDIMENTS TO CLOSURE | | |
| SITE ASSESSMENT INCOMPLETE | | |
| <ul style="list-style-type: none"> • Sensitive Receptor Survey Has Not Been Completed - RB staff could not find confirmation that a Sensitive Receptor Survey was recently completed for the site. Note: this site had an earlier release with former RPs. There may have been an earlier survey conducted in the 1980's, but documentation is no longer found in the file. | | |
| INADEQUATE SOURCE CONTROL | | |
| <ul style="list-style-type: none"> • Remaining Source Poses Threat to Groundwater - Elevated contaminant concentrations. Up to 29,200 ppb of TBA was detected during the February 2009 sampling event. Benzene and MTBE concentrations are also elevated (up to 4,790 and 1,010 ppb, respectively). | | |
| PLUME INSTABILITY | | |
| <ul style="list-style-type: none"> • Verification Monitoring Not Complete - Verification groundwater sampling and soil confirmation sampling will be required after the completion of remediation and to monitor the effectiveness of the proposed ozone sparging. | | |
| GROUNDWATER IMPACTS | | |
| <ul style="list-style-type: none"> • Groundwater Impacted Above Other Cleanup Goal - Several VOCs (i.e. benzene, MTBE, and in particular, TBA) exceed Region 8's Low-Risk Criteria Guidelines. | | |
| LAND USE IMPEDIMENTS | | |
| <ul style="list-style-type: none"> • Other - Site is still used as a service station; no change in land use. | | |
| PROCEDURAL IMPEDIMENTS | | |
| <ul style="list-style-type: none"> • Regional Water Board Objects to Closure - Elevated groundwater contaminant concentrations still require remediation as well as confirmation soil sampling and post-remedial monitoring. | | |
| Other Impediments | | |
| <ul style="list-style-type: none"> • Note: This site is complicated by a history of several releases and RPs. The contamination now detected involves the recent release and G&M Oil as the RP. There is also an active LUST site (Shell) directly upgradient of the site. The parties are coordinating sampling events, etc. The Shell is actively remediating their plume. The down-gradient extent of the G&M plume is located across El Toro and includes part of the Laguna Hills Mall parking area. | | |
| BENEFITS OF ADDITIONAL WORK | | |
| <ul style="list-style-type: none"> • Verify Remedial Action Effectiveness - Verification monitoring is required. • Remove / Reduce Source Mass - Elevated benzene, MTBE, and TBA require further remediation. • Protect Designated Beneficial Uses - Area is designated as MUNICIPAL USE under the Basin Plan • Protect Ecological Receptors - Site is near a storm drain that is tributary to Aliso Creek. This creek is designated as a RARE species habitat according to Region 9's (San Diego) Basin Plan. | | |
| SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT | | |
| SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | COMMENTS |
| Groundwater | Already Impacted | Groundwater is impacted by petroleum hydrocarbons. |

Review Conclusions T0605900466

| GROUNDWATER MONITORING FREQUENCY | |
|--|--|
| # OF WELLS MONITORED - QUARTERLY : 22, ANNUALLY : 7 | |
| REASONS FOR QUARTERLY OR MONTHLY OR OTHER GROUNDWATER MONITORING: | |
| <ul style="list-style-type: none"> • Well Being Sampled During Remedial Action for Progress Assessment - Quarterly frequency needed for some source and off-site wells to determine the effectiveness of the DPE operations that ended in late 2008. Also, in the installation/operation of the upcoming groundwater ozone sparge system, which was approved on October 31, 2008. Note that wells BYA7, BYA10, MW12, MW13, MW14, and WP15 will be abandoned in the near future. • Well Being Sampled For Free Product Evaluation and Reduction Verification - See above. • Well Being Sampled Within First Year of Being Installed - Recently installed well(s) at/near the source. • Well Being Sampled for Post-Remedial Action Verification Monitoring - Determine the effectiveness of DPE operations and upcoming ozone sparging operations. • Well Has Not Shown Reliable Consistency Yet To Warrant Reduction in Sampling Frequency - An increase in concentrations in two of the off-site wells located directly down-gradient of this site. • Other - Off-site wells MW-18 and MW-19 were changed from semiannual to quarterly monitoring due to an increase in contaminant concentrations. | |

- **Review indicates:**
 - A complicated site with multiple releases → most of the current contamination stems from a 2003 release
 - There is an adjacent upgradient site that is contributing to the levels of contamination detected → both sites are coordinating their cleanup and monitoring activities
 - Free product still present as recent as 2008
 - MTBE, TBA, TPH and BTEX all remain elevated
 - Remediation is ongoing → require verification monitoring
- **Discussion:**
 - Effectiveness of remediation
 - Timeline for cleanup closure
- **Not a candidate for closure**

CONEXANT SYSTEMS, INC. (T0605900822)
(FORMER ROCKWELL INTL. SEMI-CONDUCT. DIV.)
 4311 JAMBOREE ROAD, NEWPORT BEACH, CA 92660



Case Age: 23 years

RP Identified by Regulator: Rockwell International Corp.

Primary COC: Solvents, Acetone, Alcohols, Other Acid or Corrosive, Toluene

Potential Media Affected: Other GW (uses other than drinking water)

Current Land Use: Semi-conductor manufacturing

CLEANUP OVERSIGHT AGENCIES

SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083001040T

CASEWORKER: [CARL BERNHARDT](#) - SUPERVISOR: Ken Williams

ORANGE COUNTY LOP - CASE #: 85UT105

CASEWORKER: [DENAMARIE BAKER](#) - SUPERVISOR: ANTHONY MARTINEZ

Possible Reasons Why This Case Is So Old

- Some of the chlorinated solvents in the saturated zone are probably entrained in fine-grained aquitard formations, and slowly leaching out
- Fuel hydrocarbons (i.e., BTEX/MTBE/TPH) are not the COCs, waste solvent USTs
- Chlorinated solvents above the MCLs have impacted a lower aquifer, making remediation more difficult
- RP's financial issue

NOTE: Data queried from GeoTracker and reviewed in June 2010

Activities Conducted to Date Based on GeoTracker Info T0605900822

Assessment last 5 years

- Quarterly and semi-annual GWM.
- 2005: Six comprehensive investigation of chlorinated VOC contamination in soil and soil gas NW of Bldg. 503.
- Some of the 53 wells described below were probably installed within the last 5 years.

Remediation last 5 years

- **2008**
 - RWQCB approved a pilot study for HRC injection into GW.
 - A high vacuum SVE system with 28 VE wells was installed, and is ongoing (2,173 pounds of chlorinated VOCs have been removed).
 - GW recharge (through March 2008).
- 2005: One solvent UST removed.

Assessment older than 5 years

- Quarterly and semi-annual GMW.
- 1984-2006: Soil and soil gas investigations.
- Since mid-1980s: Approximately 53 GWM wells (may include some P&T wells) were installed in all 3 GW zones.

Remediation older than 5 years

- 1985: A total of 9 solvent and fuel USTs were removed (significant impacted soil removal also occurred).
- 1991-2001: Pump & treat (P&T) in the Shallow GW Zone.
- 1990-2004: P&T in the Intermediate GW.
- 1996-2008: GW recharge (reinjection?).
- 1984-1986: Initial SVE system

IMPEDIMENTS TO CLOSURE T0605900822

as reported by regulatory agency

| | | | | | | |
|---------|----------------|------------------------|-----------------------|--------------------------|-----------------------|-----------------------|
| Summary | Closure Review | Cleanup Status History | Regulatory Activities | Environmental Data (ESI) | Site Maps / Documents | Community Involvement |
|---------|----------------|------------------------|-----------------------|--------------------------|-----------------------|-----------------------|

CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 9/21/2009 [VIEW ALL POSSIBLE CLOSURE REVIEW VALUES](#)

IMPEDIMENTS TO CLOSURE

GROUNDWATER IMPACTS

- Groundwater Impacted Above Background - VOCs above MCLs
- Groundwater Impacted Above Other Cleanup Goal - Chlorinated VOCs are above 100 ug/l total VOCs

BENEFITS OF ADDITIONAL WORK

- Verify Remedial Action Effectiveness - Monitoring necessary to evaluate remedial effectiveness
- Remove / Reduce Source Mass - SVE and Enhanced Bioremediation implemented to reduce mass

SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT

| SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | COMMENTS |
|--------------------|-----------------------|--|
| Groundwater | Already impacted | VOCs detected in shallow zone and intermediate water bearing zones |

GROUNDWATER MONITORING FREQUENCY

OF WELLS MONITORED - ANNUALLY : 62

| ACTIVITIES REPORT | | ACTIVITY TYPE FILTER: Show All Activities | | Go | * INDICATES A REVISED DUE D |
|--------------------------|------------------------------------|---|-----------------------|---|-----------------------------|
| ACTION TYPE | ACTION | ACTION DATE | RECEIVED / ISSUE DATE | ACTION DESCRIPTION | |
| OTHER REGULATORY ACTIONS | Meeting | 5/19/2010 | 5/19/2010 | Meeting with Conexant and future property owner Discussed RWQCB closure requirements for shutdown of SVE system. Conexant proposed 100 ppmv. I indicated that is typical for a gaslor impacted site and not a chlorinated site. Need info on mass removed and, since site is being developed as residential, the residential health risk assessment may dictate the final soil number. They hope to begin drilling the ISCO injection wells within the next few weeks. Discussed using OEHHA vs independent 3rd party RA to evaluate the residential risk from the mix of chemicals. shallow soil may be excavated several years down the road when the building is demolished. | |
| ENFORCEMENT/ORDERS | Verbal Enforcement | 5/19/2010 | 5/19/2010 | Telephone discussion on proposed well construction Gave verbal approval for dual nested SVE/ISCO injection well. Construction details will be sent. | |
| ENFORCEMENT/ORDERS | Staff Letter | 4/21/2010 | 4/21/2010 | Revised Corrective Action Plan for Shallow Groundwater | |

Review Conclusions T0605900822

- Review indicates:
 - There is an existing SVE system (remediation) on-site
 - Chlorinated VOCs (vinyl chloride, TCE, etc.) are the COCs above the MCLs (BTEX and MTBE do not appear to be issues)
 - In the Shallow GW Zone in 2006, TCE was up to 420 µg/L and vinyl chloride was up to 800 µg/L
 - GeoTracker states the GW as "Other" (i.e., not drinking water), and there are no DHS supply wells within a 1/2-mile of the site
 - Site is being redeveloped as residential
- Discussion:
 - Effectiveness of remediation (proposed ChemOx injections) → results of the bench scale tests
 - Case cleanup timeline? Waste Solvent USTs
- Case is not a potential closure candidate?

J.C CARTER CO., INC (T0605900153)

671 W 17TH ST., COSTA MESA, CA 92627



Case Age: 23 years
Primary COC: Trichloroethylene (TCE)
Potential Media Affected: Other GW (uses other than drinking water)
RP Identified: JC Carter Co (Rod and Paul Keen)
Current Land Use: Commercial

CLEANUP OVERSIGHT AGENCIES
 SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083000202T
 CASEWORKER: [ROSE SCOTT](#) - SUPERVISOR: Ken Williams
 ORANGE COUNTY LOP - CASE #: 86UT025

Possible Reasons Why This Case Is So Old

- Source of DNAPL in GW undetermined
- Appears to have gap in oversight and RP involvement between 1990 and 2006
- Site remodeling

| ACTIVITIES REPORT | | ACTIVITY TYPE FILTER: Show All Activities | | Go | * INDICATES A REVISED DU |
|--------------------------|---|---|-----------------------|---|--------------------------|
| ACTION TYPE | ACTION | ACTION DATE | RECEIVED / ISSUE DATE | ACTION DESCRIPTION | |
| OTHER REGULATORY ACTIONS | Meeting | 2/23/2010 | 2/23/2010 | Meeting with Jon Lovegreen and Pam Andes, representing Rod Keen | |
| ENFORCEMENT/ORDERS | Staff Letter | 12/29/2009 | 12/29/2009 | Full Scale ISCO Remediation Plan Review Letter | |
| ENFORCEMENT/ORDERS | Staff Letter | 10/6/2009 | 10/6/2009 | Review of ISCO Pilot Test | |
| OTHER REGULATORY ACTIONS | Technical Correspondence / Assistance / Other | 8/25/2009 | 8/25/2009 | Technical review of isco pilot test results | |
| ENFORCEMENT/ORDERS | Staff Letter | 7/28/2009 | 7/28/2009 | Reduced Groundwater Monitoring Program - State Board Resolution 20042 | |

NOTE: Data queried from GeoTracker and reviewed in June 2010

Activities Conducted to Date Based on GeoTracker (T0605900153)

Assessment last 5 years

- Ongoing: GW monitoring
- 2008: Soil and GW investigation, Feasibility study (CAP/RAP), Off-site assessment
- 2007: Preliminary site assessment

Remediation last 5 years

- 2009: Pilot study/treatability

Assessment older than 5 years

- NONE DOCUMENTED

Remediation older than 5 years

- NONE DOCUMENTED

IMPEDIMENTS TO CLOSURE (T0605900153)

as reported by regulatory agency

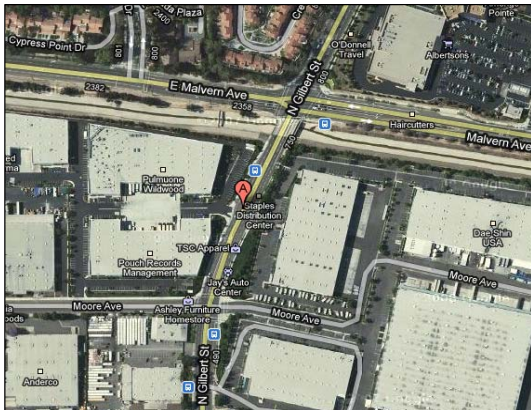
| J.C. CARTER CO., INC. (T0605900153) - (MAP) | | |
|--|--------------------------|---|
| 671 W 17TH ST COSTA MESA, CA 92627 ORANGE COUNTY LUST CLEANUP SITE | | CLEANUP OVERSIGHT AGENCIES SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083000202T CASEWORKER: ROSE SCOTT ORANGE COUNTY LOP - CASE #: 86UT025 |
| Summary | Closure Review | Cleanup Status History |
| Regulatory Activities | Environmental Data (ESI) | Site Maps / Documents |
| Community Involvement | | |
| CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 11/10/2009 VIEW ALL POSSIBLE CLOSURE REVIEW VALUES | | |
| IMPEDIMENTS TO CLOSURE | | |
| INADEQUATE SOURCE CONTROL | | |
| <ul style="list-style-type: none"> Remaining Source Poses Threat to Groundwater - DNAPL is present and the source of the DNAPL has not been determined through soil sampling and may not be addressed until structures are removed. | | |
| GROUNDWATER IMPACTS | | |
| <ul style="list-style-type: none"> Groundwater Impacted Above Other Cleanup Goal - DNAPL is present. | | |
| UNACCEPTABLE RISK | | |
| <ul style="list-style-type: none"> Unacceptable Risks to Human Health from Vapor Intrusion - Site planned for remodel and will require engineered controls to abate effects of vapor intrusion. | | |
| BENEFITS OF ADDITIONAL WORK | | |
| <ul style="list-style-type: none"> Remove / Reduce Source Mass - In situ chem-ox treatment approved. | | |
| SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT | | |
| SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | COMMENTS |
| Groundwater | Already Impacted | DNAPL present |
| GROUNDWATER MONITORING FREQUENCY | | |
| # OF WELLS MONITORED - QUARTERLY : 5, SEMI-ANNUALLY : 8, OTHER : 5 | | |
| REASONS FOR QUARTERLY OR MONTHLY OR OTHER GROUNDWATER MONITORING: | | |
| <ul style="list-style-type: none"> Well Being Sampled During Remedial Action for Progress Assessment - Five wells require quarterly sampling during in situ chemical oxidation. DNAPL is present. | | |

Review Conclusions T0605900153

- Review indicates:
 - DNAPL issue in GW → source of DNAPL unknown
 - Site is planned for remodeling → agency is concern with potential vapor intrusion
 - On-going remediation currently being reviewed
- Discussion:
 - Remediation for DNAPL removal
 - Timeline of cleanup (age of case is 23-years)
 - Opportunity for source removal during site remodeling
 - Not from petroleum USTs
- Not a potential for closure consideration due to GW issue

HUGHES AIRCRAFT COMPANY - GSG (T0605900143)

651 N GILBERT ST., FULLERTON, CA 92634



Case Age: 23 years
Primary COC: Chlorinated HC, Waste Oil/Motor/Hydraulic/Lubricating
RP Identified: Hughes Aircraft Company
Potential Media Affected: Aquifer used for drinking water supply
Current Land Use: Commercial

CLEANUP OVERSIGHT AGENCIES
 SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083000187T
 CASEWORKER: [CARL BERNHARDT](#) - SUPERVISOR: Ken Williams
 FULLERTON, CITY OF
 CASEWORKER: [STEPHEN LONG](#) - SUPERVISOR: NONE SPECIFIED

Possible Reasons Why This Case Is So Old

- GW issue – elevated TCE and possible off-site 1,1-DCE contamination
- Remediation shut down (2007-2008) due to construction activities
- Appears to have gap in oversight and RP involvement between 1992 and 2001



NOTE: Data queried from GeoTracker and reviewed in June 2010

Activities Conducted to Date Based on GeoTracker (T0605900143)

Assessment last 5 years

- 2005-2009: GW monitoring

Remediation last 5 years

- 2007-2009: GW remediation system operation (system is currently being repaired from redevelopment site activities)

Assessment older than 5 years

- 2002-2005: NPDES and Waste Discharge Report

Remediation older than 5 years

- 2004: Remedial Progress Report
- 1996 onwards: GW remediation
- 1992: Pump and Treat GW
- 1991: Vacuum extract (1,086-gal VOCs recovered)

IMPEDIMENTS TO CLOSURE (T0605900143)

as reported by regulatory agency

HUGHES AIRCRAFT COMPANY - GSG (T0605900143) - (MAP)

851 N GILBERT ST
FULLERTON, CA 92634
ORANGE COUNTY
LUST CLEANUP SITE

CLEANUP OVERSIGHT AGENCIES
SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083000187T
CASEWORKER: CARL BERNHARDT
FULLERTON, CITY OF
CASEWORKER: STEPHEN LONG

| Summary | Closure Review | Cleanup Status History | Regulatory Activities | Environmental Data (ESI) | Site Maps / Documents | Community Involvement | | | | | | | | | | | | | | | | |
|---|-----------------------|---|---|--------------------------|-----------------------|-----------------------|--------------------|-----------------------|-----------------------|--------------------|---|---|-------------|---|--|-----------|----------|---|---|-----------|-----------|--|
| <p>CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 10/22/2009 VIEW ALL POSSIBLE CLOSURE REVIEW VALUES</p> | | | | | | | | | | | | | | | | | | | | | | |
| <p>IMPEDIMENTS TO CLOSURE</p> <p>SITE ASSESSMENT INCOMPLETE</p> <ul style="list-style-type: none"> Potential Risks, Threats, And Other Environmental Concerns Have Not Been Adequately Identified And Assessed - A VI risk assessment should be considered prior to closure <p>GROUNDWATER IMPACTS</p> <ul style="list-style-type: none"> Groundwater Impacted Above Background - TCE impacted groundwater <p>WELL IMPACTS</p> <ul style="list-style-type: none"> Municipal Wells Impacted - 1,1-DCE impacted nearby production wells, but the 1,1-DCE could be from other sources. <p>BENEFITS OF ADDITIONAL WORK</p> <ul style="list-style-type: none"> Verify Remedial Action Effectiveness - Groundwater Extraction system currently being repaired from redevelopment site activities. Remove / Reduce Source Mass - Further reduction of the TCE concentrations in groundwater are warranted Restore Beneficial Uses - Nearby production wells impacted by 1,1-DCE. The 1,1-DCE may be originated from the Malvern Raytheon or nearby non-Raytheon sources. <p>SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT</p> <table border="1"> <thead> <tr> <th>SENSITIVE RECEPTOR</th> <th>TIME FRAME FOR IMPACT</th> <th>COMMENTS</th> </tr> </thead> <tbody> <tr> <td>Municipal Well</td> <td>Undetermined</td> <td>1,1-DCE detected in airport wells. Groundwater investigations beginning conducted at the Former Malvern Raytheon site to assess the impact. It is not determined if the low concentrations of 1,1-DCE at the Gilbert site is partially responsible for the airport well detections.</td> </tr> <tr> <td>Groundwater</td> <td>Already Impacted</td> <td>Groundwater impacted with TCE</td> </tr> </tbody> </table> | | | | | | | SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | COMMENTS | Municipal Well | Undetermined | 1,1-DCE detected in airport wells. Groundwater investigations beginning conducted at the Former Malvern Raytheon site to assess the impact. It is not determined if the low concentrations of 1,1-DCE at the Gilbert site is partially responsible for the airport well detections. | Groundwater | Already Impacted | Groundwater impacted with TCE | | | | | | | |
| SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | COMMENTS | | | | | | | | | | | | | | | | | | | | |
| Municipal Well | Undetermined | 1,1-DCE detected in airport wells. Groundwater investigations beginning conducted at the Former Malvern Raytheon site to assess the impact. It is not determined if the low concentrations of 1,1-DCE at the Gilbert site is partially responsible for the airport well detections. | | | | | | | | | | | | | | | | | | | | |
| Groundwater | Already Impacted | Groundwater impacted with TCE | | | | | | | | | | | | | | | | | | | | |
| <p>ACTIVITY TYPE FILTER: <input type="text" value="Show All Activities"/> <input type="button" value="Go"/> * INDICATES A REVISED DUE DATE</p> <table border="1"> <thead> <tr> <th>ACTION</th> <th>ACTION DATE</th> <th>RECEIVED / ISSUE DATE</th> <th>ACTION DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>Technical Correspondence / Assistance / Other</td> <td>5/13/2009</td> <td>5/13/2009</td> <td>Discussion with DTSC Contacted DTSC staff overseeing 1900 Malvern Site. They are concerned that 1,1-DCE impacting wells on Airport from either the Gilbert Street or Malvern Ave Raytheon sites or the Keys Fibre site and want to coordinate efforts by both agencies. Raytheon planning to install some wells on property south of Malvern. 1,1-DCE detections from Gilbert Street have been ND to single digit ug/l in both monitoring wells and Groundwater treatment influent.</td> </tr> <tr> <td>Results of Groundwater Monitoring and Groundwater Treatment System Operation</td> <td>1/30/2009</td> <td>4/8/2009</td> <td>1,1-DCE detected at maximum concentration of 5.2 ug/l in shallow ground monitoring well HEW-01, which is below the MCL of 6 ug/l. The 1,1-DCE detections were limited to the shallow zone and Upper Unit A. It is unknown if these low detection of 1,1-DCE are solely responsible for the 1,1-DCE detections on the Airport wells. Highest TCE on-site was 49,000 ug/l from shallow zone S-08. Raytheon alleges that off-site is being impacted from non-Raytheon sources of PCE and TCE. Remediation system shut down from June 2007 to December 2008 due to construction activities.</td> </tr> <tr> <td>Technical Correspondence / Assistance / Other</td> <td>8/14/2008</td> <td>8/14/2008</td> <td>Public inquiry on potential impact to off-site parties</td> </tr> </tbody> </table> | | | | | | | ACTION | ACTION DATE | RECEIVED / ISSUE DATE | ACTION DESCRIPTION | Technical Correspondence / Assistance / Other | 5/13/2009 | 5/13/2009 | Discussion with DTSC Contacted DTSC staff overseeing 1900 Malvern Site. They are concerned that 1,1-DCE impacting wells on Airport from either the Gilbert Street or Malvern Ave Raytheon sites or the Keys Fibre site and want to coordinate efforts by both agencies. Raytheon planning to install some wells on property south of Malvern. 1,1-DCE detections from Gilbert Street have been ND to single digit ug/l in both monitoring wells and Groundwater treatment influent. | Results of Groundwater Monitoring and Groundwater Treatment System Operation | 1/30/2009 | 4/8/2009 | 1,1-DCE detected at maximum concentration of 5.2 ug/l in shallow ground monitoring well HEW-01, which is below the MCL of 6 ug/l. The 1,1-DCE detections were limited to the shallow zone and Upper Unit A. It is unknown if these low detection of 1,1-DCE are solely responsible for the 1,1-DCE detections on the Airport wells. Highest TCE on-site was 49,000 ug/l from shallow zone S-08. Raytheon alleges that off-site is being impacted from non-Raytheon sources of PCE and TCE. Remediation system shut down from June 2007 to December 2008 due to construction activities. | Technical Correspondence / Assistance / Other | 8/14/2008 | 8/14/2008 | Public inquiry on potential impact to off-site parties |
| ACTION | ACTION DATE | RECEIVED / ISSUE DATE | ACTION DESCRIPTION | | | | | | | | | | | | | | | | | | | |
| Technical Correspondence / Assistance / Other | 5/13/2009 | 5/13/2009 | Discussion with DTSC Contacted DTSC staff overseeing 1900 Malvern Site. They are concerned that 1,1-DCE impacting wells on Airport from either the Gilbert Street or Malvern Ave Raytheon sites or the Keys Fibre site and want to coordinate efforts by both agencies. Raytheon planning to install some wells on property south of Malvern. 1,1-DCE detections from Gilbert Street have been ND to single digit ug/l in both monitoring wells and Groundwater treatment influent. | | | | | | | | | | | | | | | | | | | |
| Results of Groundwater Monitoring and Groundwater Treatment System Operation | 1/30/2009 | 4/8/2009 | 1,1-DCE detected at maximum concentration of 5.2 ug/l in shallow ground monitoring well HEW-01, which is below the MCL of 6 ug/l. The 1,1-DCE detections were limited to the shallow zone and Upper Unit A. It is unknown if these low detection of 1,1-DCE are solely responsible for the 1,1-DCE detections on the Airport wells. Highest TCE on-site was 49,000 ug/l from shallow zone S-08. Raytheon alleges that off-site is being impacted from non-Raytheon sources of PCE and TCE. Remediation system shut down from June 2007 to December 2008 due to construction activities. | | | | | | | | | | | | | | | | | | | |
| Technical Correspondence / Assistance / Other | 8/14/2008 | 8/14/2008 | Public inquiry on potential impact to off-site parties | | | | | | | | | | | | | | | | | | | |

Review Conclusions T0605900143

- Review indicates:
 - GW contamination issues: (1) elevated TCE concentrations, and (2) potential off-site 1,1-DCE migration
 - Collaboration with DTSC (May 2009) to assess 1,1-DCE source
 - Since 2005, PCE and TCE have been detected in off-site wells at concentrations that are not consistent with historical GW concentration trends.
- Discussion:
 - GW contamination source
 - Effectiveness of remediation
- Potential closure candidate in a few years pending GW trends

TESORO /TARGET STORE T-293 (T0605901585)

2800 E IMPERIAL HWY., FULLERTON, CA 92631



Case Age: 18 years
Primary COC: Gasoline
RP Identified by Regulator: Tesoro Refining
Potential Media Affected: Aquifer used for drinking water supply
Current Land Use: Tire Service and Auto Parts / Retail

CLEANUP OVERSIGHT AGENCIES
 SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083002146T
 CASEWORKER: [TOM E. MBEKE-EKANEM](#) - SUPERVISOR: Ken Williams
 FULLERTON, CITY OF
 CASEWORKER: [STEPHEN LONG](#) - SUPERVISOR: NONE SPECIFIED

GROUNDWATER MONITORING FREQUENCY
 # OF WELLS MONITORED - QUARTERLY : 4, SEMI-ANNUALLY : 20
 REASONS FOR QUARTERLY OR MONTHLY OR OTHER GROUNDWATER MONITORING:
 • Assessment Incomplete - Section of the site is currently being investigated

- Possible Reasons Why This Case Is So Old**
- Site undergone extensive characterization
 - Site has remaining hydrocarbon contamination
 - Gaps in oversight and RP involvement at the beginning of the case
 - Persistent soil and GW contamination



NOTE: Data queried from GeoTracker and reviewed in June 2010

Activities Conducted to Date Based on GeoTracker Info

T0605901585

Assessment last 5 years

- Ongoing: GW monitoring
- 2006: Monitoring wells installed
- 2005: Soil borings advanced

Remediation last 5 years

- 2009: Two Hydrogen Peroxide Injection Pilot test conducted

Assessment older than 5 years

- Since 1994: Periodic ground water monitoring conducted
- 1993-2004: 11 rounds of soil borings advanced

Remediation older than 5 years

- 2002-2005: SVE

IMPEDIMENTS TO CLOSURE T0605901585

as reported by regulatory agency

| CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 8/26/2009 | | VIEW ALL POSSIBLE CLOSURE REVIEW VALUES |
|---|------------------------------|---|
| IMPEDIMENTS TO CLOSURE | | |
| INADEQUATE SOURCE CONTROL | | |
| <ul style="list-style-type: none"> Remaining Source Poses Threat to Groundwater - In situ ozone and hydrogen peroxide injection pilot test was conducted between December 2008 and April 2009. In the process, groundwater was encountered in a saturated clayey sand zone at approximately 115 to 119 feet below grade. | | |
| GROUNDWATER IMPACTS | | |
| <ul style="list-style-type: none"> Groundwater Impacted Above Other Cleanup Goal - Additional in situ chemical oxidation (ISCO) treatment is being planned at the site. The test is designed to treat impacted groundwater flowing through an approximately 4-foot thick permeable clayey sand zone starting approximately 115 feet below grade. | | |
| WELL IMPACTS | | |
| <ul style="list-style-type: none"> Other - Baseline groundwater monitoring will be conducted at the injection well and monitoring locations before and during the peroxide pilot test. | | |
| PROCEDURAL IMPEDIMENTS | | |
| <ul style="list-style-type: none"> Other - Site still pending the completion of additional evaluation of the pilot program and the initiation and completion of site remediation. | | |
| BENEFITS OF ADDITIONAL WORK | | |
| <ul style="list-style-type: none"> Verify Remedial Action Effectiveness - Additional corrective action using ISCO is required to address any remaining hydrocarbon concentration in the water. Five borings have been proposed to for completion to evaluate progress towards site closure. | | |
| SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT | | |
| SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | COMMENTS |
| Groundwater | Already Impacted | Groundwater is impacted |

| ACTIVITY TYPE FILTER: Show All Activities <input type="button" value="Go"/> | | | | * INDICATES A REVISED DUE DATE |
|---|-------------|-----------------------|---|--------------------------------|
| ACTION | ACTION DATE | RECEIVED / ISSUE DATE | ACTION DESCRIPTION | |
| Technical Correspondence / Assistance / Other | 4/12/2010 | 4/12/2010 | Semi-annual Groundwater Monitoring and Site Remediation Status Report - Consultant proposes to extend the hydrogen peroxide injection pilot test approximately 6 weeks and inject additional 55 gallons of hydrogen peroxide into wells MW-1, MW-11, and OW-2 to polish residual levels of hydrocarbon mass. Groundwater samples will be collected from the wells and tested for field parameters using appropriate EPA methods while tracking the decrease of hydrocarbon concentrations toward the low-risk closure levels. | |
| Technical Correspondence / Assistance / Other | 11/25/2009 | 11/25/2009 | Progress Report for Expanded Hydrogen Peroxide Pilot Test | |
| Technical Correspondence / Assistance / Other | 10/15/2009 | 10/15/2009 | Semi Annual Groundwater Monitoring and Site Remedial Status Report Soil confirmation is being planned during the first quarter of 2010. | |

Review Conclusions T0605901585

- Review indicates:
 - Site has been extensively characterized
 - Additional rounds of ISCO will be planned (after the pilot test results are approved)
 - Additional remediation
 - Additional soil borings are planned to evaluate progress towards site closure
- Discussion:
 - Effectiveness of remediation
 - Cleanup closure timeline
- Potential closure candidate pending remedial confirmation

BOEING (FORMER MCDONNELL DOUGLAS ASTONAUTICS) (T0605900184)

5301 BOLSA AVE., HUNTINGTON BEACH, CA 92647



Case Age: 24 years
RP Identified by Regulator: McDonnell Douglas Astronautics
Primary COC: Solvents
Potential Media Affected: Other GW (uses other than drinking water)
Current Land Use: Research, design, manufacturing and testing of aerospace equipment

CLEANUP OVERSIGHT AGENCIES
 SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083000239T
 CASEWORKER: CARL BERNHARDT - SUPERVISOR: Ken Williams
 ORANGE COUNTY - CASE #: 86UT143
 CASEWORKER: ORANGE COUNTY - SUPERVISOR: NONE SPECIFIED

Possible Reasons Why This Case Is So Old

- Hydrogeology appears to be complex with 5 water-bearing zones defined
- VOC contamination appears to exist in most of the 5 water-bearing zones
- GW plume may have migrated off-site
- Effectiveness of remediation - pump & treat and chem-ox may never fully address the contamination

NOTE: Data queried from GeoTracker and reviewed in June 2010

| ACTIVITIES REPORT | | ACTIVITY TYPE FILTER: Show All |
|----------------------|---|--------------------------------|
| ACTION TYPE | ACTION | ACTION DATE |
| ENFORCEMENT/ORDERS | Staff Letter | 4/27/2010 |
| RESPONSE - REPORTS | February 2009 and June 2009 Groundwater Monitoring Well Groundwater Monitoring Events | 8/31/2009 |
| RESPONSE - REPORTS | Monitoring Report - Semi-Annually | 7/30/2009 |
| RESPONSE - WORKPLANS | Focused Groundwater Assessment Workplan | 7/30/2009 |
| RESPONSE - REPORTS | Alpha and Beta Aquifer Well Completion Report | 7/6/2009 |

Activities Conducted to Date Based on GeoTracker Info T0605900184

Assessment last 5 years

- Some of the 107 GW MWs were installed in the last 5 years.
- Quarterly and semi-annual GWM.

Remediation last 5 years

- On 1/30/07, hydraulic barrier installed, and pump & treat resumed for VOC plume (ongoing).
- On 8/1/07, in-situ chem-ox with persulfate begun for VOC plume (ongoing).
- GWM to evaluate performance of chem-ox ongoing.

Assessment older than 5 years

- 107 GW MWs installed since 1987.
- Quarterly and semi-annual GWM.

Remediation older than 5 years

- Pump & Treat from 1990 to 6/12/03. Discontinued due to detections of untreatable 1,4-Dioxane in the effluent.
- 19 USTs removed in 1986.

IMPEDIMENTS TO CLOSURE (T0605900184)

as reported by regulatory agency

| CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 9/9/2009 | | VIEW ALL POSSIBLE CLOSURE REVIEW VA |
|---|-----------------------|--|
| IMPEDIMENTS TO CLOSURE | | |
| SITE ASSESSMENT INCOMPLETE | | |
| <ul style="list-style-type: none"> Other - Further assessment of the connection between the 45 and 60 foot sand in ongoing and assessment of other on-site sources need some additional assessment. | | |
| INADEQUATE SOURCE CONTROL | | |
| <ul style="list-style-type: none"> Remaining Source Poses Threat to Groundwater - Boeing is expanding the groundwater extraction system to capture the VOCs in the onsite alpha zone. | | |
| PLUME INSTABILITY | | |
| <ul style="list-style-type: none"> Groundwater Contamination Plume Not Stable or Decreasing - Freon 113 concentration were increasing in Alpha Aquifer unit. The data suggests the aquitard between the 60 and 90 feet sands and the underlying Alpha Aquifer may be thinning to the west resulting the the Alpha sand being impacted from the upper water bearing zones. | | |
| GROUNDWATER IMPACTS | | |
| <ul style="list-style-type: none"> Groundwater Impacted Above Background - Chlorinated VOCs above MCL Groundwater Impacted Above Other Cleanup Goal - Chlorinated VOCs above MCL | | |
| WELL IMPACTS | | |
| <ul style="list-style-type: none"> Irrigation / Industrial Wells Potentially Impacted - Unknown source of VOCs impacting nearby irrigation well. Investigations to date suggest that Boeing may not be the source or sole source. | | |
| BENEFITS OF ADDITIONAL WORK | | |
| <ul style="list-style-type: none"> Verify Remedial Action Effectiveness - Groundwater being remediated by ongoing Pump and Treat aquitard enhanced natural attenuation. Protect Designated Beneficial Uses - Impacted to from the site detected in water bearing zone above the regional drinking water aquifer and possible impacts from the site to the Alpha aquifer of the Lockwood formation Restore Beneficial Uses - VOCs exceed MCLs through several water bearing zones Protect Existing Water Supply Wells - Production Wells to the NE of Boeing had below MCL detections of Freon 13 Protect Human Health - VI for on-site building have yet to be conducted | | |
| SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT | | |
| SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | COMMENTS |
| Municipal Well | Already Impacted | Low concentration of Freon detected in nearby production well, but the source of the Freon not established. |
| Groundwater | Already Impacted | VOCs have been detected in several water bearing units underlying the site. |
| Irrigation / Industrial Well | Undetermined | Off-site Irrigation well impacted on Naval Weapons Center. Source of the VOCs are unknown. Boeing concludes that they are not the source and that the source may be other nearby VOC release sites |

GROUNDWATER MONITORING FREQUENCY

OF WELLS MONITORED - QUARTERLY : 12, SEMI-ANNUALLY : 43, ANNUALLY : 60

REASONS FOR QUARTERLY OR MONTHLY OR OTHER GROUNDWATER MONITORING:

- Well Being Sampled Within First Year of Being Installed - New wells sampled quarterly for one year and then reduced to semiannual

Review Conclusions T0605900184

- Review indicates:
 - CSM appears to be complete (5 water-bearing zones have been defined and partially characterized)
 - VOCs, primarily TCE, Freon 113 and 1,4-Dioxane are above the MCLs (BTEX and MTBE do not appear to be issues)
 - Source of Freon-113 is unknown (possibly offsite source) and its plume is increasing in the deeper aquifer
 - Offsite impacts to municipal drinking water well (low concentrations of Freon 113), and an irrigation well at the nearby Naval Weapons Center
 - Potential vapor intrusion in on-site buildings will be evaluated soon
- Discussion:
 - GW contamination not from petroleum USTs
 - Effectiveness remediation (in-situ chem-ox) in the shallow zone may be limited due to site structures
- Not a potential closure candidate

AKZO NOBEL COATING, INC. (T0605900255)

1215 W. LAMBERT ROAD, BREA, CA 92621

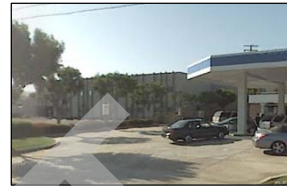


Case Age: 23 years
RP Identified by Regulator: AKZO Coatings
Primary COC: Toluene
Potential Media Affected: Aquifer used for drinking water supply
Current Land Use: Commercial

CLEANUP OVERSIGHT AGENCIES
 SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083000322T
 CASEWORKER: [CARL BERNHARDT](#) - SUPERVISOR: Ken Williams
 ORANGE COUNTY - CASE #: 86UT190
 CASEWORKER: [LUIS A. LODRIGUEZA](#) - SUPERVISOR: NONE SPECIFIED

Possible Reasons Why This Case Is So Old

- Potential commingled plumes with adjacent Mobil/Unocal site(s)
- Lack of effective of GW remediation (pump & treat and vapor extraction)
- Off-site migration of GW plume
- MNA → slow in reducing the plume size



NOTE: Data queried from GeoTracker and reviewed in June 2010

| ACTIVITIES REPORT | | ACTIVITY TYPE FILTER: Show All Activities | Go |
|--------------------|---|---|----|
| ACTION TYPE | ACTION | ACTION DATE | |
| RESPONSE - REPORTS | Semi Annual Groundwater Monitoring Report | 7/30/2010 | |
| RESPONSE - REPORTS | Semi Annual Groundwater Monitoring Report | 1/30/2010 | |
| RESPONSE - REPORTS | Semi Annual Groundwater Monitoring Report | 7/30/2009 | |
| RESPONSE - REPORTS | Monitoring Report - Quarterly | 1/30/2009 | |
| RESPONSE - REPORTS | Monitoring Report - Quarterly | 7/30/2008 | |
| RESPONSE - REPORTS | Monitoring Report - Semi-annualy | 1/30/2008 | |
| RESPONSE - REPORTS | Monitoring Report - Quarterly | 9/30/2007 | |

Activities Conducted to Date Based on GeoTracker Info

T0605900255

Assessment last 5 years

- Quarterly and semi-annual GWM of 13+ wells

Remediation last 5 years

- MNA

Assessment older than 5 years

- Borings and soil analysis
- 13+ MW installations
- Quarterly GMW

Remediation older than 5 years

- 1989-1996: Pump & Treat
- 1989-1991: Free product removal.
- 1993-2000: Vapor extraction
- MNA

IMPEDIMENTS TO CLOSURE (T0605900255)

as reported by regulatory agency

| Summary | Closure Review | Cleanup Status History | Regulatory Activities | Environmental Data (ESI) | Site Maps / Documents | Community Involvement |
|--|------------------------------|--|-----------------------|--------------------------|-----------------------|-----------------------|
| CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 9/9/2009 VIEW ALL POSSIBLE CLOSURE REVIEW VALUES | | | | | | |
| IMPEDIMENTS TO CLOSURE | | | | | | |
| GROUNDWATER IMPACTS | | | | | | |
| <ul style="list-style-type: none"> Groundwater Impacted Above Background - <i>Various VOCs above MCLs</i> | | | | | | |
| Other Impediments | | | | | | |
| <ul style="list-style-type: none"> RP proposes MNA even though VOCs/BTEX significantly elevated and has migrated across and impacted several properties. Given the large P&T efforts in the past, Board staff agreed with long term MNA instead of further remediation. Toluene, MIBK and MEK recently detected at 150, 590, and 260 mg/L. While plume is not expanding, the concentration are too high to justify closure and MNA to continue. | | | | | | |
| BENEFITS OF ADDITIONAL WORK | | | | | | |
| <ul style="list-style-type: none"> Verify Remedial Action Effectiveness - <i>MNA ongoing, but VOC concentrations in groundwater are still very high to justify closure</i> | | | | | | |
| SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT | | | | | | |
| SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | COMMENTS | | | | |
| Groundwater | Already Impacted | Toluene, MIBK, and MEK as well as other non-chlorinated VOCs are detected in groundwater | | | | |

GROUNDWATER MONITORING FREQUENCY

OF WELLS MONITORED - SEMI-ANNUALLY : 13, OTHER : 71

REASONS FOR QUARTERLY OR MONTHLY OR OTHER GROUNDWATER MONITORING:

- Other - wells in place but not sampled

Review Conclusions T0605900255

- Review indicates:
 - Active on-going remediation from 1989-2000 → Toluene, MEK and MIBK concentrations were still high within the GW plume on 01/09/09 (150 PPM, 2,600 PPM and 590 PPM, respectively)
 - GW in the area is considered a drinking water source
 - The CSM appears to be reasonably complete
 - Potential GW contaminant (if any) from the adjacent Mobil/Unocal site appears to be unknown
- Discussion:
 - Effectiveness of on-going remediation
 - GW contamination source
 - GeoTracker compliance (no document uploaded – only GWM reports)
- Not a potential candidate for closure

CROWN COACH INTERNATIONAL (T0607100070)

13799 MONTE VISTA AVE, CHINO, CA 91710



Case Age: 23 years
 Primary COC: **Solvents**
 RP Identified: General Electric Rail Car
 Potential Media Affected: Aquifer used for drinking water supply
 Current Land Use: Vacant lot

CLEANUP OVERSIGHT AGENCIES
 SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083600684T
 CASEWORKER: [CARL BERNHARDT](#) - SUPERVISOR: Ken Williams
 SAN BERNARDINO COUNTY LOP - CASE #: 90166

Possible Reasons Why This Case Is So Old

- GW issue – potential threat to Chino Basin (deeper aquifer)
- Land owner changes

| ACTIVITY TYPE FILTER: Show All Activities | | | | * INDICATES A REVISED DUE DATE |
|--|-------------|-----------------------|---|--------------------------------|
| ACTION | ACTION DATE | RECEIVED / ISSUE DATE | ACTION DESCRIPTION | |
| Soil and Water Investigation Workplan | 5/30/2010 | 5/18/2010 | | |
| Technical Correspondence / Assistance / Other | 5/18/2010 | 5/18/2010 | Telephone conversation Duke Realty indicated that they have not sold the property. | |
| Technical Correspondence / Assistance / Other | 5/17/2010 | 5/17/2010 | Telephone Conversation City of Chino inquiring about status of the site and additional requirements for site remediation. they seem to have the impression that Duke Realty had sold the property recently. | |
| Chino Watermaster Review of Remedial Effectiveness Meeting | 7/17/2009 | 7/17/2009 | | |
| | 5/12/2009 | 5/12/2009 | Meeting with GE GE requesting NFA arguing that remediation activities have reduced the mass of VOCs in the perched aquifer to a point that poses no threat to the underlying regional aquifer, that over 20 years the deeper aquifer has not been impacted, and that further downgradient migration in the shallow perched aquifer is not anticipated. Board staff indicated that additional downgradient monitoring may be necessary to demonstrate that the site doesn't pose a significant risk to the water quality in the Chino Basin. | |

NOTE: Data queried from GeoTracker and reviewed in June 2010

Activities Conducted to Date Based on GeoTracker (T0607100070)

Assessment last 5 years

- Ongoing: Monitoring

Remediation last 5 years

- NONE DOCUMENTED

Assessment older than 5 years

- 2002-ongoing: Monitoring

Remediation older than 5 years

- 2002: CAP
- 1990: Pump and Treat GW, and Vacuum extraction

IMPEDIMENTS TO CLOSURE (T0607100070)

as reported by regulatory agency

| CROWN COACH INTERNATIONAL (T0607100070) - (MAP) | | |
|--|-----------------------|---|
| 13799 MONTE VISTA AVE CHINO, CA 91710 SAN BERNARDINO COUNTY LUST CLEANUP SITE | | CLEANUP OVERSIGHT AGENCIES SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083600684T CASEWORKER: CARL BERNHARDT SAN BERNARDINO COUNTY LOP - CASE #: 90166 |
| Summary | Closure Review | Cleanup Status History Regulatory Activities Environmental Data (ESI) Site Maps / Documents Community Involvement |
| CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 12/28/2009 VIEW ALL POSSIBLE CLOSURE REVIEW VALUES | | |
| IMPEDIMENTS TO CLOSURE | | |
| GROUNDWATER IMPACTS | | |
| <ul style="list-style-type: none"> Groundwater Impacted Above Background - Chlorinated VOCs exceed 100 ug/l | | |
| PROCEDURAL IMPEDIMENTS | | |
| <ul style="list-style-type: none"> Local Agency Objects to Case Closure - The Chino Water Master Objects to Closure. They are concerned that the affected groundwater could migrate to the deeper groundwater aquifer. They are requesting that Sentinel groundwater monitoring wells be installed. | | |
| BENEFITS OF ADDITIONAL WORK | | |
| <ul style="list-style-type: none"> Verify Remedial Action Effectiveness - Additional MNA monitoring necessary to demonstrate further bioremediation of the affected groundwater | | |
| SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT | | |
| SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | COMMENTS |
| Groundwater | Already Impacted | Chlorinated VOCs detected in the groundwater. |

Review Conclusions T0607100070

- Review indicates:
 - In 2009, GE requested for NFA.
 - Chino Basin Wastermaster objects to closure at this site. In July 2009, a letter from Chino Basin Watermaster requested for assurance that this site will continued to be monitored to ensure that the VOC plume does not migrate off-site.
 - RWQCB proposed additional sampling down-gradient to confirm plume migration delineation → no significant risk to water quality in the Chino Basin.
 - Site appears to be vacant.
- Discussion:
 - Effectiveness of MNA and need for additional remediation
- Potential closure candidate in a few years pending GW trends

ROHR INDUSTRIES, INC. (T0606500068)
8200 ARLINGTON AVE, RIVERSIDE, CA 92503



Case Age: 22 Years

RP Identified by Regulator: Rohr Industries, Inc.

Primary COC: Solvents, Chromium, Diesel, Gasoline, PCBs

Current Land Use: Heavy Industrial – Aerospace Manufacturing

Potential Media Affected: Soil Vapor, Soil, Surface Water, Aquifer used for drinking water supply

CLEANUP OVERSIGHT AGENCIES

SANTA ANA RWQCB (REGION 8) (**LEAD**) - CASE #: 083300625T
 CASEWORKER: [CARL BERNHARDT](#) - SUPERVISOR: Ken Williams
 RIVERSIDE COUNTY LOP - CASE #: 88499
 CASEWORKER: [UNK](#) - SUPERVISOR: SHARON BOLTINGHOUSE

Possible Reasons Why This Case Is So Old

- There are multiple releases at this site, relating to sumps, spills, and former military uses. Only a small portion of the cleanup is related to LUFTs.
- An additional UST was removed in 2006 and was originally closed in place by U.S. Army, elevated levels of TPH and naphthalene were detected at that time. "Alodine Sumps" were also removed at this time.
- Free product (gasoline) observed as recently as 2002.
- Contamination on-site does not appear to be fully defined.

NOTE: Data queried from GeoTracker and reviewed in June 2010

Activities Conducted to Date Based on GeoTracker Info
 T0606500068

Assessment last 5 years

- Ongoing: Monitoring

Remediation last 5 years

- In-situ Chemical Oxidation Barrier on site.

Assessment older than 5 years

- Around 2000-ongoing: Groundwater monitoring

Remediation older than 5 years

- None documented

IMPEDIMENTS TO CLOSURE T0606500068

as reported by regulatory agency

| CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 9/9/2009 | | VIEW ALL POSSIBLE CLOSURE REVIEW VALUES | |
|---|------------------------------|--|---|
| IMPEDIMENTS TO CLOSURE | | | |
| SITE ASSESSMENT INCOMPLETE | | | |
| <ul style="list-style-type: none"> Pollutant Sources Have Not Been Adequately Identified or Evaluated - <i>The source of the Cr+6 in the groundwater needs further assessment</i> Extent of Contamination Has Not Been Determined - <i>The lateral and vertical extent of the VOC-affected groundwater is currently being defined</i> Potential Risks, Threats, And Other Environmental Concerns Have Not Been Adequately Identified And Assessed - <i>Groundwater impacts and SVI is currently being assessed</i> | | | |
| INADEQUATE SOURCE CONTROL | | | |
| <ul style="list-style-type: none"> Remaining Source Poses Threat to Groundwater - <i>Currently have ozone sparge curtain to prevent impacts to the Ana channel. Source area currently not being remediated.</i> | | | |
| GROUNDWATER IMPACTS | | | |
| <ul style="list-style-type: none"> Groundwater Impacted Above Other Cleanup Goal - <i>VOCs significantly above MCLs. MTBE from adjacent Arlington Snack and Auto site appears to have impacted the groundwater underlying the site.</i> | | | |
| UNACCEPTABLE RISK | | | |
| <ul style="list-style-type: none"> Unacceptable Risks to Human Health from Vapor Intrusion - <i>Initial assessment of SVI indicated that the residences are below levels of risk, further assessment on eastern properties delayed due to site access. Rohr implementing SVE along southern property boundary to minimize potential risk to the adjacent residential properties.</i> Unacceptable Risk from Contaminated Groundwater Day Lighting to Surface Water - <i>Monitoring of Anza channel indicate the potential impacts from the underlying groundwater.</i> | | | |
| BENEFITS OF ADDITIONAL WORK | | | |
| <ul style="list-style-type: none"> Fill-in RI Data Gaps - <i>Vertical extent of the VOC-affected groundwater is currently being assessed.</i> Complete CSM and Our Understanding of Hydrogeologic Regime and Fate and Transport of Contaminants - <i>The bottom of the saturated decomposed granite is currently being evaluated.</i> Verify Remedial Action Effectiveness - <i>Remedial measures taken to minimize migration of VOCs into Anza channel and to prevent vapor migration onto adjacent residential properties.</i> Protect Designated Beneficial Uses - <i>Water from Anza channel drains in to Hole Lke, which drains into the Santa Ana River</i> | | | |
| SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT | | | |
| SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | COMMENTS | |
| Groundwater | Already Impacted | underlying groundwater impacted by VOCs, PCBs, petroleum hydrocarbons and Cr+6 | |
| Surface Water (Bay, Estuary, Stream, Lake) | Already Impacted | Anza channel shows impacts from Rohr and other sources. | |
| Indoor Air (Residential or Commercial) | Undetermined | Investigation of eastern properties is currentl being assessed. | |
| ACTIVITY TYPE FILTER: <input type="text" value="Show All Activities"/> <input type="button" value="Go"/> * INDICATES A REVISED DUE DATE | | | |
| ACTION | ACTION DATE | RECEIVED / ISSUE DATE | ACTION DESCRIPTION |
| Verbal Enforcement | 5/19/2010 | 5/19/2010 | Telephone Conversation Requested update on groundwater well workplan. WP currently under review by Goodrich. Wells was original to be scheduled 1st week of June. Proposed wells include deep well 7 feet SW of MW-104 (drilled to 120 without hitting bedrock). Well to be 4-inch and designed for extraction. A triple nested well is to be installed to the SE on Warren and a three shallow well is proposed in the NE corner near the Copper Lantern entrance. |
| File review | 5/18/2010 | 5/18/2010 | Review latest results from Upgradient Palm Springs Oil Site Review the March 2010 sample results from Palm Spring Oil 14. PCE 610 in MW-17 and increase to 5.8 ug/l in MW-13. The recent detections in MW-13, suggest that there may be a source of PCE south of Cypress not associated with the commercial building at the NE corner of Cypress and Montgomery. |

Review Conclusions T0606500068

- Review indicates:
 - Site history states that the release was discovered in 1985 making this case 25 years old, instead of 21-years old as stated in GeoTracker.
 - No information on the original UST release appears to be available in Geotracker.
 - Reports in GeoTracker relates to more recent issues such as the 2006 tank removal, chromium sump removals and remediation and monitoring related to these sources.
 - This is a complicated site with multiple releases of multiple contaminants from multiple sources.
 - This site appears to have mostly non-LUFT contamination (consider Site Cleanup Program).
- Discussion:
 - Moving the non-LUFT portion (Cr6+, SVOCs etc) of the case to Site Cleanup Program
 - Create a new case for UST discovered in 2006
 - Evaluate the original release for closure
- Unable to conclude closure status -- case needs further evaluation

RIVERSIDE PARTNERS (RIVERSIDE NATIONAL BANK) (T0606500199)
10301 MAGNOLIA AVE., RIVERSIDE, CA 92505



Case Age: 20 years
Primary COC: Diesel, Gasoline
RP Identified: Chevron
Potential Media Affected: Aquifer used for drinking water supply
Current Use: Restaurant

CLEANUP OVERSIGHT AGENCIES
 SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083301604T
 CASEWORKER: [CARL BERNHARDT](#) - SUPERVISOR: Ken Williams
 RIVERSIDE COUNTY LOP - CASE #: 90656
 CASEWORKER: [UNK](#) - SUPERVISOR: SHARON BOLTINGHOUSE

Possible Reasons Why This Case Is So Old

- Free product is still present in offsite wells as of December 2009 → may be from a second nearby LUFT case.
- A new structure was built on top of the source area after demolition of the former service station.
- Further remediation of the source area is not being considered.

| ACTIVITIES REPORT | | ACTIVITY TYPE FILTER: Show |
|--------------------------|---|----------------------------|
| ACTION TYPE | ACTION | ACTION DATE |
| RESPONSE - REPORTS | 2nd Qtr 2009 | 7/30/2009 |
| ENFORCEMENT/ORDERS | Staff Letter | 1/30/2009 |
| RESPONSE - REPORTS | 2nd Qtr 2008 | 7/30/2008 |
| OTHER REGULATORY ACTIONS | * Verbal Communication | 6/24/2008 |
| RESPONSE - REPORTS | Monitoring Report - Quarterly | 4/30/2008 |



NOTE: Data queried from GeoTracker and reviewed in June 2010

Activities Conducted to Date Based on GeoTracker Info
 T0606500199

Assessment last 5 years

- Ongoing: Groundwater monitoring

Remediation last 5 years

- 2003-2006: Remediation?

Assessment older than 5 years

- Since 1993: Periodic groundwater monitoring ongoing

Remediation older than 5 years

- 1995-2003: Remediation?

IMPEDIMENTS TO CLOSURE (T0606500199)

as reported by regulatory agency

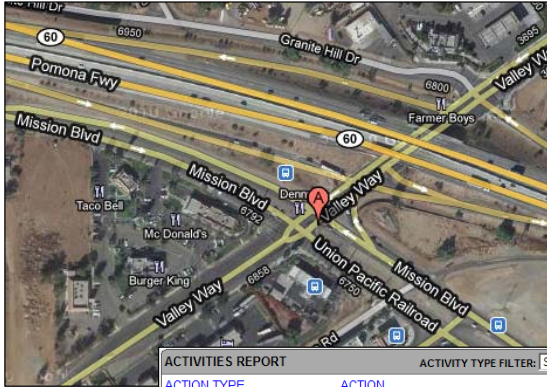
| CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 10/22/2009 | | VIEW ALL POSSIBLE CLOSURE REVIEW VALUES |
|--|------------------------------|---|
| IMPEDIMENTS TO CLOSURE | | |
| SITE ASSESSMENT INCOMPLETE | | |
| <ul style="list-style-type: none"> • Pollutant Sources Have Not Been Adequately Identified or Evaluated - Free product is detected off-site in the southern most wells. Investigations are ongoing on the Unocal site to the south to assess the source of the free product. High TPH, but no free product is detected between the FP and the site, so it is unclear if the site is a source of the FP. | | |
| PLUME INSTABILITY | | |
| <ul style="list-style-type: none"> • Verification Monitoring Not Complete - Further MNA is warranted | | |
| PROCEDURAL IMPEDIMENTS | | |
| <ul style="list-style-type: none"> • Other - SAWPA is operating desalter downgradient of the site. SAWPA is concerned that the residual hydrocarbons may be a threat if they ever expand the desalter well field farther north in the future. | | |
| BENEFITS OF ADDITIONAL WORK | | |
| <ul style="list-style-type: none"> • Fill-in RI Data Gaps - Assess the source of the FP • Verify Remedial Action Effectiveness - Wells near the "hot spot" were abandoned a while ago due to construction of restaurant. Further MNA monitoring warranted. | | |
| SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT | | |
| SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | COMMENTS |
| Groundwater | Already Impacted | Groundwater impacted with elevated BTEX and TPH |

Review Conclusions T0606500199

- Review indicates:
 - No site history available in the documents uploaded to GeoTracker.
 - Remediation appears to have occurred from 1995 to 2003 and 2003 to 2006 based on the site status history, however, no documentation of these activities are available in GeoTracker.
 - A new structure was built on top of the source area.
 - Free Product still present in offsite monitoring wells, however, this may be from a separate release near by.
 - Monitored Natural Attenuation will continue.
- Discussion:
 - Need for remediation
 - Cleanup closure timeline
- Potential closure candidate in a few years pending GW trends

MOBIL #18-HTY (T0606500478)

6824 VALLEY WAY, RIVERSIDE, CA 92507



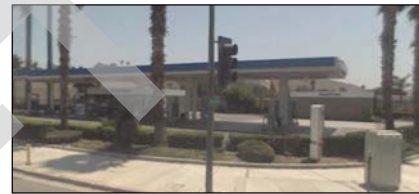
Case Age: 19 Years
RP Identified by Regulator: Mobile Oil Corp.
Primary COC: Gasoline
Potential Media Affected: Aquifer used for drinking water supply
Current Land Use: Gas Station

CLEANUP OVERSIGHT AGENCIES
 SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083302921T
 CASEWORKER: ROSE SCOTT - SUPERVISOR: Ken Williams
 RIVERSIDE COUNTY LOP - CASE #: 91666
 CASEWORKER: SHARON BOLTINGHOUSE - SUPERVISOR: JOHN WATKINS

| ACTION TYPE | ACTION | ACTION DATE | RECEIVED / ISSUE DATE | ACTION DESCRIPTION |
|--------------------------|---|-------------|-----------------------|--|
| OTHER REGULATORY ACTIONS | Site Visit / Inspection / Sampling | 5/27/2010 | 5/27/2010 | Site Visit |
| ENFORCEMENT/ORDERS | Staff Letter | 5/6/2010 | 5/6/2010 | Workplan Response Letter |
| RESPONSE - REPORTS | Monitoring Report - Quarterly | 4/30/2010 | 4/7/2010 | |
| OTHER REGULATORY ACTIONS | Technical Correspondence / Assistance / Other | 3/2/2010 | 3/2/2010 | Email response to plan for remedial system modification. |
| RESPONSE - REPORTS | Monitoring Report - Quarterly | 1/30/2010 | 12/18/2009 | |
| RESPONSE - WORKPLANS | Well Installation Workplan | 1/30/2010 | 1/12/2010 | |

Possible Reasons Why This Case Is So Old

- Site originally had up to 2 feet of free product.
- Free Product has been present as recently as 2008.
- TPHg is still present in groundwater at up to 12,000-ppb.
- Remediation has been on-going since 1992.



NOTE: Data queried from GeoTracker and reviewed in June 2010

Activities Conducted to Date Based on GeoTracker Info T0606500478

Assessment last 5 years

- Since 1991-ongoing: Groundwater Monitoring

Remediation last 5 years

- 2005-2006: SVE System restarted
- Pump and treat system is still operating

Assessment older than 5 years

- 1991: Soil Gas survey
- 1991, 1992, 1993, 1998 and 1999: Borings advanced, and monitoring wells installed
- 1991, 1992, 1998 and 2004: Subsurface investigations conducted

Remediation older than 5 years

- 1992: Liquid Phase Hydrocarbon recovery; and USTs removed and replaced
- 1995 and 1996: SVE system operated, and was restarted in 2000
- 2001: Pump and Treat system began operating

IMPEDIMENTS TO CLOSURE T0606500478

as reported by regulatory agency

| CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 9/29/2009 | | |
|---|------------------------------|-----------------------|
| VIEW ALL POSSIBLE | | |
| IMPEDIMENTS TO CLOSURE | | |
| SITE ASSESSMENT INCOMPLETE | | |
| <ul style="list-style-type: none"> Extent of Contamination Has Not Been Determined - <i>MTBE detected in most downgradient well.</i> | | |
| PLUME INSTABILITY | | |
| <ul style="list-style-type: none"> Groundwater Contamination Plume Not Stable or Decreasing - <i>Plume is greater than 380 feet long.</i> | | |
| GROUNDWATER IMPACTS | | |
| <ul style="list-style-type: none"> Groundwater Impacted Above Background - <i>Free product is present in SB12. In January 2009, the maximum TPH-g and benzene were 25,000 and 1,300 ug/l respectively.</i> | | |
| Other Impediments | | |
| <ul style="list-style-type: none"> Treatment system was shut down for several years. | | |
| BENEFITS OF ADDITIONAL WORK | | |
| <ul style="list-style-type: none"> Remove / Reduce Source Mass - <i>Reduce plume size and stabilize plume.</i> | | |
| SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT | | |
| SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | COMMENTS |
| Groundwater | Already Impacted | Free product present. |

GROUNDWATER MONITORING FREQUENCY

OF WELLS MONITORED - SEMI-ANNUALLY : 21, ANNUALLY : 5

REASONS FOR QUARTERLY OR MONTHLY OR OTHER GROUNDWATER MONITORING:

- Well Being Sampled During Remedial Action for Progress Assessment - *GWPT system operating.*

Review Conclusions T0606500478

- Review indicates:
 - Free Product is still present intermittently at the site.
 - Remediation is ongoing at this site → once it is completed several quarters of post remediation monitoring will be required.
 - Extent of MTBE contamination has not been delineated.
 - Plume is not yet stable.
- Discussion:
 - Effectiveness of remediation
 - Cleanup closure timeline
- Site is not a potential closure candidate

MOBIL #18-FNW (T0606500316)

26820 MCCALL BLVD., SUN CITY, CA 92581



Case Age: 17 years
Primary COC: Gasoline
RP Identified: ExxonMobil Oil Corp.
Potential Media Affected: Aquifer used for drinking water supply
Current Land Use: Vacant Gas Station

CLEANUP OVERSIGHT AGENCIES
 SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 0833022337
 CASEWORKER: ROSE SCOTT - SUPERVISOR: Ken Williams
 RIVERSIDE COUNTY LOP - CASE #: 93348
 CASEWORKER: LINDA SHURLOW - SUPERVISOR: SHARON BOLTINGHOUSE

| ACTIVITY TYPE | ACTION | ACTION DATE | RECEIVED / ISSUE DATE | ACTION DESCRIPTION |
|--------------------------|---|-------------|-----------------------|--|
| CLEANUP ACTION | Other | 1/19/2010 | | Ozone sparging pilot test. |
| ENFORCEMENT/ORDERS | Staff Letter | 11/19/2009 | 11/19/2009 | Staff Letter |
| OTHER REGULATORY ACTIONS | Technical Correspondence / Assistance / Other | 11/10/2009 | 11/10/2009 | Review of TPH-g Mass Calculations Submittal |
| ENFORCEMENT/ORDERS | Verbal Enforcement | 9/3/2009 | 9/3/2009 | Phone call and confirmation email regarding approval of ozone sparge pilot test. |
| ENFORCEMENT/ORDERS | Staff Letter | 9/3/2009 | 9/3/2009 | Comments on Updated CAP |
| ENFORCEMENT/ORDERS | Staff Letter | 7/29/2009 | 7/29/2009 | Groundwater Monitoring Reduction Letter |

Possible Reasons Why This Case Is So Old

- Large off-site plume.
- Active remediation ceased in 2007 and post remediation monitoring is ongoing.
- As of 3Q 2009 TPHg was still detected at up to 30,000 ppb
- Contamination from an adjacent LUFT case may be contributing to the plume on site.



NOTE: Data queried from GeoTracker and reviewed in June 2010

Activities Conducted to Date Based on GeoTracker Info (T0606500316)

Assessment last 5 years

- Ongoing: Groundwater Monitoring

Remediation last 5 years

- -2007: SVE/AS system operated
- 2007: Excavate and dispose conducted

Assessment older than 5 years

- 1993-1995: Soil borings advanced and wells installed

Remediation older than 5 years

- 1993-1995: Vapor extraction system installed
- 1999: DPE conducted
- ~2000: SVE system installed and operated, at times intermittently until 2007
- 2004: Air Sparge system installed

IMPEDIMENTS TO CLOSURE (T0606500316)

as reported by regulatory agency

| CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 11/10/2009 | | |
|---|------------------------------|--|
| VIEW ALL POSSIBLE CLOSURE REVIEW V | | |
| IMPEDIMENTS TO CLOSURE | | |
| PLUME INSTABILITY | | |
| <ul style="list-style-type: none"> Verification Monitoring Not Complete - <i>Large offsite plume. Soil confirmation samples indicated additional remediation warranted.</i> | | |
| BENEFITS OF ADDITIONAL WORK | | |
| <ul style="list-style-type: none"> Verify Remedial Action Effectiveness - <i>Additional soil remediation required based on confirmation sample results.</i> Remove / Reduce Source Mass - <i>Confirmation sampling showed areas that need to be re-addressed. Then additional confirmation samples will be collected for verification of compliance with closure standards.</i> | | |
| SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT | | |
| SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | COMMENTS |
| Groundwater | Already Impacted | Reductions due to remediation have been significant, but post remedial monitoring is required. |

GROUNDWATER MONITORING FREQUENCY

OF WELLS MONITORED - QUARTERLY : 5, SEMI-ANNUALLY : 11, ANNUALLY : 7

REASONS FOR QUARTERLY OR MONTHLY OR OTHER GROUNDWATER MONITORING:

- Well Being Sampled During Remedial Action for Progress Assessment - *Quarterly monitoring will be required for compliance monitoring during ozone sparging.*

Review Conclusions T0606500316

- Review indicates:
 - Elevated levels of contaminants are still present in groundwater at the site. However, these may be migrating on site from one of two adjacent LUFT cases. The Regional Board has asked for additional soil samples in order to assess the amount of source mass remaining on site.
 - The plume for this site is large and extended off site, and may comingle with the adjacent sites. Coordinated sampling events are planned for 2010.
- Discussion:
 - Additional remediation or source mass removal.
- Site is not a potential closure candidate

MOBIL FAC. #04-086 /COLTON TER (T0607100402)
 2305 S RIVERSIDE AVE., BLOOMINGTON, CA 92316



Case Age: 17 Years
RP Identified by Regulator: Mobil Oil Corp.
Primary COC: Gasoline
Potential Media Affected: Aquifer used for drinking water supply
Current Land Use: Tank Farm

CLEANUP OVERSIGHT AGENCIES
 SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 0836027777
 CASEWORKER: ROSE SCOTT - SUPERVISOR: Ken Williams
 SAN BERNARDINO COUNTY LOP
 CASEWORKER: CATHERINE RICHARDS - SUPERVISOR: MARILYN KRAFT

| ACTIVITIES REPORT | | ACTIVITY TYPE FILTER: Show All Activities | Go |
|--------------------------|---|---|----|
| ACTION TYPE | ACTION | ACTION DATE | |
| OTHER REGULATORY ACTIONS | Technical Correspondence / Assistance / Other | 2/18/2010 | |
| OTHER REGULATORY ACTIONS | Technical Correspondence / Assistance / Other | 1/21/2010 | |
| OTHER REGULATORY ACTIONS | Technical Correspondence / Assistance / Other | 12/17/2009 | |
| OTHER REGULATORY ACTIONS | Technical Correspondence / Assistance / Other | 11/18/2009 | |

Possible Reasons Why This Case Is So Old

- Site has comingle plume with at least 5 RPs and 7 sites.
- There is an unstable plume that is over 1000' long and extends off site.
- Municipal wells have been impacted.

NOTE: Data queried from GeoTracker and reviewed in June 2010



Activities Conducted to Date Based on GeoTracker Info
 T0607100402

Assessment last 5 years

- Assessment appears to be ongoing as part of the Colton Terminal Case.

Remediation last 5 years

- SVE has been in operation at the site in the last 5 years however details are not present in the Geotracker File.

Assessment older than 5 years

- Since 1993: Site has been extensively characterized.

Remediation older than 5 years

- In 1993 the first SVE system was installed on site. This system or a replacement has operated at the site for the majority of the time since, but the details are not present on GeoTracker.

IMPEDIMENTS TO CLOSURE (T0607100402)

as reported by regulatory agency

| CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 11/10/2009 | | VIEW ALL POSSIBLE CLOSURE REVIEW VALUES |
|---|------------------------------|---|
| IMPEDIMENTS TO CLOSURE | | |
| SITE ASSESSMENT INCOMPLETE | | |
| <ul style="list-style-type: none"> Extent of Contamination Has Not Been Determined - <i>Offsite assessment in progress.</i> Sensitive Receptor Survey Has Not Been Completed - <i>Irrigation wells known to be somewhere downgradient of Mobil terminal facility have not been located.</i> | | |
| PLUME INSTABILITY | | |
| <ul style="list-style-type: none"> Groundwater Contamination Plume Not Stable or Decreasing - <i>Groundwater plume is migrating rapidly toward offsite municipal wells. Plume length is greater than 1000 feet and the office concentrations are high.</i> | | |
| WELL IMPACTS | | |
| <ul style="list-style-type: none"> Municipal Wells Impacted - <i>Wells 40 and 41 have not been able to operate for fear of drawing the plume closer.</i> | | |
| BENEFITS OF ADDITIONAL WORK | | |
| <ul style="list-style-type: none"> Restore Beneficial Uses - <i>Reduce plume and control migration so that the wells may eventually operate.</i> Protect Existing Water Supply Wells - <i>Ensure wells do not get contaminated.</i> | | |
| SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT | | |
| SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | COMMENTS |
| Municipal Well | Already Impacted | Two wells not operating due to MTBE. |
| GROUNDWATER MONITORING FREQUENCY | | |
| # OF WELLS MONITORED - QUARTERLY : 8 | | |
| REASONS FOR QUARTERLY OR MONTHLY OR OTHER GROUNDWATER MONITORING: | | |
| <ul style="list-style-type: none"> Well Being Sampled During Remedial Action for Progress Assessment - <i>Groundwater plume is migrating rapidly toward offsite municipal wells. Wells are not operating due to plume proximity. Plume length is greater than 1000 feet and the offsite concentrations are high.</i> Other - <i>This site is part of larger Colton terminal facility project.</i> | | |

Review Conclusions T0607100402

- Review indicates:
 - Case has not been accurately located in GeoTracker, and no site maps have been uploaded in any of the available reports.
 - The Reports that are available in GeoTracker lack a CSM or detailed site history.
 - Site is part of a cluster of multiple tank farms with multiple releases managed in GeoTracker as the Cleanup Program Site Colton Terminal Facility (SL208023857).
 - From the documentation it is unclear if this is a UST case or an AST case, however the original release was discovered after a clarifier overflow, and there is no documented tank removal in GeoTracker
- Discussion:
 - Confirm if site is Federal UST case or AST case
 - Effectiveness of remediation
- Site does not appear to be a potential closure candidate

ORANGE COUNTY FIRE STATION #33 (T0605900437)

18992 IKE JONES ROAD, SANTA ANA, CA 92707



Case Age: 24 years
Primary COC: Alcohols, Gasoline, Heating Oil/Fuel Oil
RP Identified by Regulator: John Wayne Airport
Potential Media Affected: Aquifer used for drinking water supply
Current Land Use: Vacant Fire Station

CLEANUP OVERSIGHT AGENCIES
 SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083000548T
 CASEWORKER: ROSE SCOTT - SUPERVISOR: Ken Williams

| ACTIVITIES REPORT | | ACTIVITY TYPE FILTER: Show All Activities | Go |
|--------------------------|---|---|----|
| ACTION TYPE | ACTION | ACTION DATE | |
| OTHER REGULATORY ACTIONS | Technical Correspondence / Assistance / Other | 3/2/2010 | |
| ENFORCEMENT/ORDERS | Staff Letter | 7/28/2009 | |
| OTHER REGULATORY ACTIONS | Technical Correspondence / Assistance / Other | 1/29/2009 | |
| OTHER REGULATORY ACTIONS | Site Visit / Inspection / Sampling | 5/12/2008 | |
| RESPONSE - OTHER | Additional Information Report | 8/31/2006 | |
| ENFORCEMENT/ORDERS | Staff Letter | 6/1/2006 | |
| RESPONSE - OTHER | Additional Information Report | 10/31/2003 | |
| RESPONSE - REPORTS | Soil and Water Investigation Report | *1/15/2004 | |
| ENFORCEMENT/ORDERS | Staff Letter | 8/1/2003 | |
| RESPONSE - REPORTS | Preliminary Site Assessment Report | *7/15/2003 | |
| ENFORCEMENT/ORDERS | Staff Letter | 4/10/2003 | |
| RESPONSE - WORKPLANS | MTBE Investigation Workplan | *3/30/2003 | |
| ENFORCEMENT/ORDERS | 13267 Requirement | 1/10/2003 | |
| LEAK ACTION | Leak Stopped | 9/2/1986 | |
| LEAK ACTION | Leak Discovery | 9/2/1986 | |
| LEAK ACTION | Leak Reported | 9/2/1986 | |
| LEAK ACTION | Leak Began | 1/1/1965 | |

NOTE: Data queried from GeoTracker and reviewed in June 2010

Possible Reasons Why Is This Case So Old

- No reports have been uploaded to GeoTracker since June 2008
- A separate release associated with a clarifier was discovered in 2003
- Limited oversight and RP involvement

Activities Conducted to Date Based on GeoTracker Info

T0605900437

Assessment last 5 years

- NONE DOCUMENTED

Remediation last 5 years

- NONE DOCUMENTED

Assessment older than 5 years

- 1999: Site assessment conducted
- 2002-2003: Additional assessments including subsurface and soil vapor surveys conducted

Remediation older than 5 years

- 1993: USTs removal (?)

IMPEDIMENTS TO CLOSURE T0605900437

as reported by regulatory agency

| Summary | Closure Review | Cleanup Status History | Regulatory Activities | Environmental Data (ESI) | Site Maps / Documents | Community Involvement |
|---|------------------------------|------------------------|----------------------------|--------------------------|-----------------------|-----------------------|
| CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 11/10/2009 | | | | | | |
| IMPEDIMENTS TO CLOSURE | | | | | | |
| SITE ASSESSMENT INCOMPLETE | | | | | | |
| <ul style="list-style-type: none"> Extent of Contamination Has Not Been Determined - <i>Dongradient assessment incomplete.</i> | | | | | | |
| PLUME INSTABILITY | | | | | | |
| <ul style="list-style-type: none"> Groundwater Contamination Plume Not Stable or Decreasing - <i>Extent not defined.</i> | | | | | | |
| BENEFITS OF ADDITIONAL WORK | | | | | | |
| <ul style="list-style-type: none"> Protect Designated Beneficial Uses - <i>Define the extent and determine if there is a threat.</i> | | | | | | |
| SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT | | | | | | |
| SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | | COMMENTS | | | |
| Groundwater | Already Impacted | | Above background and mcls. | | | |

GROUNDWATER MONITORING FREQUENCY

OF WELLS MONITORED - SEMI-ANNUALLY : 8

REASONS FOR QUARTERLY OR MONTHLY OR OTHER GROUNDWATER MONITORING:

- Other - *No monitoring for over 2 years. Site requires re-prioritization at the airport. Reduced from quarterly to semi-annually once restarting.*

Review Conclusions T0605900437

- Review indicates:
 - No cleanup work appears to have occurred since 2006
 - No report/document upload to GeoTracker since 2008
 - No directives/enforcement action recorded in GeoTracker except a Monitoring Frequency Reduction Letter posted in July 2009
 - No explanation for the cessation of work at this site
 - As of the last monitoring event, CoCs were still elevated above cleanup goals
- Discussion:
 - Reason for no recent cleanup activity? Government Entity Site.
 - Steps to attain cleanup closure
 - GeoTracker compliance
- Unable to determine closure status

SANTA ANA TOWER F.A.A. (T0605900442)

18990 IKE JONES RD., SANTA ANA, CA 92707



Case Age: 23 years
Primary COC: Heating Oil / Fuel Oil
RP Identified: "Blank RP"
Potential Media Affected: Aquifer used for drinking water supply
Current Land Use: Airport Control Tower

CLEANUP OVERSIGHT AGENCIES
 SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083000556T
 CASEWORKER: ROSE SCOTT - SUPERVISOR: Ken Williams
 SANTA ANA, CITY OF

Possible Reasons Why This Case Is So Old

- Limited oversight and RP involvement until recent years
- No report/documents uploaded to GeoTracker

| ACTIVITIES REPORT | | | | |
|---|---|-------------|-----------------------|---|
| ACTIVITY TYPE FILTER: Show All Activities [Go] * INDICATES A REVISED DUE DATE | | | | |
| ACTION TYPE | ACTION | ACTION DATE | RECEIVED / ISSUE DATE | ACTION DESCRIPTION |
| OTHER REGULATORY ACTIONS | Technical Correspondence / Assistance / Other | 3/2/2010 | 3/2/2010 | Review Submittal from Airport Staff regarding administrative closure. |
| ENFORCEMENT/ORDERS | Staff Letter | 7/28/2009 | 7/28/2009 | staff Letter SB Resolution 2009-0042 |
| OTHER REGULATORY ACTIONS | Technical Correspondence / Assistance / Other | 6/11/2009 | 6/11/2009 | communication with airport personnel |
| OTHER REGULATORY ACTIONS | File review | 12/12/2008 | 12/12/2008 | John Wayne Airport closure evaluation |
| OTHER REGULATORY ACTIONS | Site Visit / Inspection / Sampling | 5/12/2008 | 5/12/2008 | Site Meeting |
| LEAK ACTION | Leak Reported | 4/6/1987 | | |

NOTE: Data queried from GeoTracker and reviewed in June 2010

Activities Conducted to Date Based on GeoTracker Info (T0605900442)

Assessment last 5 years

- NONE DOCUMENTED

Remediation last 5 years

- NONE DOCUMENTED

Assessment older than 5 years

- NONE DOCUMENTED

Remediation older than 5 years

- NONE DOCUMENTED

IMPEDIMENTS TO CLOSURE (T0605900442)

as reported by regulatory agency

| Summary | Closure Review | Cleanup Status History | Regulatory Activities | Environmental Data (ESI) | Site Maps / Documents | Community Involvement |
|--|------------------------------|------------------------|-------------------------------|--------------------------|-----------------------|-----------------------|
| CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 11/10/2009 | | | | | | |
| IMPEDIMENTS TO CLOSURE | | | | | | |
| SITE ASSESSMENT INCOMPLETE | | | | | | |
| <ul style="list-style-type: none"> Extent of Contamination Has Not Been Determined - <i>Additional assessment is required.</i> | | | | | | |
| BENEFITS OF ADDITIONAL WORK | | | | | | |
| <ul style="list-style-type: none"> Fill-in RI Data Gaps - <i>Complete investigation and determine if cleanup is required.</i> Other - <i>Compy with CAO.</i> | | | | | | |
| SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT | | | | | | |
| SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | | COMMENTS | | | |
| Groundwater | Already Impacted | | Part of larger Airport plume. | | | |

Review Conclusions T0605900442

- Review indicates:
 - No reports/documents in Geotracker.
 - One letter from RB in GeoTacker pertaining to Resolution 2009-0042 → reduction in GW sampling frequency
 - Activities Report indicates “*Closure Evaluation*” in 2008 and “*Review Submittal from Airport Staff regarding administrative closure*” in March 2010
- Discussion:
 - RP and Geotracker compliance
 - Reason for no recent cleanup activity, Government entity site.
 - May not be a Federally defined LUST case
 - Steps to attain cleanup closure
- Unable to determine closure status

ARLINGTON AUTOMOTIVE (T0606500071)

9611 MAGNOLIA AVE, RIVERSIDE, CA 92503



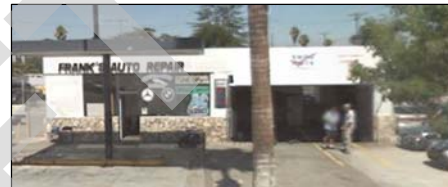
Case Age: 23 Years
RP Identified by Regulator: Arlington Automotive – **Unclaimed in GeoTracker**
Primary COC: Gasoline
Current Land Use: Auto Repair
Potential Media Affected: Aquifer used for drinking water supply

CLEANUP OVERSIGHT AGENCIES
 SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083300651T
 CASEWORKER: **VALERIE JAHN-BULL** - SUPERVISOR: Ken Williams
 RIVERSIDE COUNTY LOP - CASE #: 87518
 CASEWORKER: **SHARON BOLTINGHOUSE** - SUPERVISOR: JOHN WATKINS

| ACTION TYPE | ACTION | ACTION DATE | RECEIVED / ISSUE DATE | ACTION DESCRIPTION |
|--------------------------|------------------------------|-------------|-----------------------|--|
| OTHER REGULATORY ACTIONS | File review | 5/12/2010 | 5/12/2010 | Status remains the same - Inactive - RP (successors) are recalcitrant &/or lacking resources to complete required cleanup. |
| OTHER REGULATORY ACTIONS | File review | 2/10/2009 | 2/10/2009 | Status remains the same - Inactive - RP (successors) are recalcitrant &/or lacking resources to complete required cleanup. |
| OTHER REGULATORY ACTIONS | File review | 9/27/2006 | 9/27/2006 | Inactive - RP (successors) are recalcitrant &/or lacking resources to complete required cleanup. |
| ENFORCEMENT/ORDERS | Staff Letter | 8/3/2006 | 8/3/2006 | RB issued notice of non-compliance - directed RP to schedule meeting by end of month.. |
| ENFORCEMENT/ORDERS | Staff Letter | 6/15/2006 | 6/15/2006 | Req'd workplan for Soil & GH20 assessment (deadline 7/15/06) and/or meeting. |
| ENFORCEMENT/ORDERS | Staff Letter | 4/20/2006 | 4/20/2006 | RB (KRW/VJB) hand delivered letter to RP residence. |

Possible Reasons Why This Case is So Old

- No documents, or site history have been uploaded to GeoTracker
- Recalcitrant RP → “lacking resources to complete required cleanup”



NOTE: Data queried from GeoTracker and reviewed in June 2010

Activities Conducted to Date Based on GeoTracker Info

T0606500071

Assessment last 5 years

- NONE DOCUMENTED

Remediation last 5 years

- NONE DOCUMENTED

Assessment older than 5 years

- NONE DOCUMENTED

Remediation older than 5 years

- NONE DOCUMENTED

IMPEDIMENTS TO CLOSURE (T0606500071)

as reported by regulatory agency

| Summary | Closure Review | Cleanup Status History | Regulatory Activities | Environmental Data (ESI) | Site Maps / Documents | Remediation |
|---|------------------------------|------------------------|-----------------------|--------------------------|-----------------------|---|
| CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 8/17/2009 | | | | | | VIEW ALL POSSIBLE CLOSURE REVIEW VALUES |
| IMPEDIMENTS TO CLOSURE | | | | | | |
| SITE ASSESSMENT INCOMPLETE | | | | | | |
| <ul style="list-style-type: none"> Pollutant Sources Have Not Been Adequately Identified or Evaluated - Agency directives for assessment ignored Extent of Contamination Has Not Been Determined - Preliminary investigation revealed impacts - no followup | | | | | | |
| INADEQUATE SOURCE CONTROL | | | | | | |
| <ul style="list-style-type: none"> Other - Unknown Impacts - Agency directives for assessment ignored | | | | | | |
| GROUNDWATER IMPACTS | | | | | | |
| <ul style="list-style-type: none"> Other - Unknown Impacts - Agency directives for assessment ignored | | | | | | |
| PROCEDURAL IMPEDIMENTS | | | | | | |
| <ul style="list-style-type: none"> Non-Responsive and / or Recalcitrant Responsible Party - Agency directives for assessment ignored | | | | | | |
| BENEFITS OF ADDITIONAL WORK | | | | | | |
| <ul style="list-style-type: none"> Fill-in RI Data Gaps - Unknown impacts - Agency directives for assessment ignored Remove / Reduce Source Mass - Unknown impacts - Agency directives for assessment ignored | | | | | | |
| SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT | | | | | | |
| SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | | | | COMMENTS | |
| Other | Undetermined | | | | recalcitrant RP | |

Review Conclusions T0606500071

- Review indicates:
 - No document/report/letter available in GeoTracker.
 - RP has not responded to any of the agency's directives.
 - A preliminary investigation appears to have been conducted (no document in GT), and no additional assessments or remediation.
- Discussion:
 - RP compliance, need for enforcement?
 - GeoTracker compliance
- Unable to determine the closure status

HUGHES AIRCRAFT CO-SOLID PROD. (T0605900648)

500 SUPERIOR AVE, NEWPORT BEACH, CA 92663

NOTE: Site is also known as the "Former Raytheon Newport Beach Facility"



Case Age: 22 years

Primary COC: Solvents

RP Identified: Hughes Aircraft Company

Potential Media Affected: Other GW (uses other than drinking water)

Current Land Use: Commercial

CLEANUP OVERSIGHT AGENCIES

SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083000821T
 CASEWORKER: CARL BERNHARDT - SUPERVISOR: Ken Williams
 ORANGE COUNTY - CASE #: 90UT247
 CASEWORKER: LUIS A. LODRIGUEZA - SUPERVISOR: NONE SPECIFIED

Possible Reasons Why This Case Is So Old

- GW contamination (chlorinated and non-chlorinate VOCs) persist
- Vapor Intrusion issue (nearby residential)
- Potential sources of PCE in groundwater from off-site

| ACTION TYPE | ACTION | ACTION DATE | RECEIVED / ISSUE DATE | ACTION DESCRIPTION |
|----------------------|---|-------------|-----------------------|--|
| ENFORCEMENT / ORDERS | Staff Letter | 12/9/2009 | 12/9/2009 | Approval of Soil Gas Sampling Schedule |
| ENFORCEMENT / ORDERS | Staff Letter | 10/29/2009 | 10/29/2009 | Requesting Irrevocable letter of Credit be cancelled |
| ENFORCEMENT / ORDERS | Staff Letter | 3/27/2009 | 3/27/2009 | Remedial Action Plan Addendum Number 2 |
| RESPONSE - REPORTS | July and August 2008 Results of Shallow Soil Vapor Probe Sampling | 11/7/2008 | 11/7/2008 | |



NOTE: Data queried from GeoTracker and reviewed in June 2010

Activities Conducted to Date Based on GeoTracker

(T0605900648)

Assessment last 5 years

- 2005-ongoing: Soil and Water investigation, and Monitoring

Remediation last 5 years

- 2008: SVE
- 2006: Interim remediation action
- 2005: In-situ remediation (Enhanced biodegradation) and SVE with GAC

Assessment older than 5 years

- 2003 and 2004: Soil and Water investigation, and Site visit and inspection
- 2003-ongoing: Monitoring

Remediation older than 5 years

- 2000: Vacuum extract, and enhanced biodegradation

IMPEDIMENTS TO CLOSURE (T0605900648)

as reported by regulatory agency

HUGHES AIRCRAFT CO-SOLID PROD. (T0605900648) - (MAP)

500 SUPERIOR AVE
NEWPORT BEACH, CA 92663
ORANGE COUNTY
LUST CLEANUP SITE

CLEANUP OVERSIGHT AGENCIES
SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083000821T
CASEWORKER: CARL BERNHARDT
ORANGE COUNTY - CASE #: 90UT247
CASEWORKER: LUIS A. LODRIGUEZA

Summary Closure Review Cleanup Status History Regulatory Activities Environmental Data (ESI) Site Maps / Documents Community Involvement

CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 10/22/2009

[VIEW ALL POSSIBLE CLOSURE REVIEW VALUES](#)

| IMPEDIMENTS TO CLOSURE | | |
|--|-----------------------|--|
| INADEQUATE SOURCE CONTROL | | |
| <ul style="list-style-type: none"> Remaining Source Poses Threat to Groundwater - On-going Enhanced bioremediation | | |
| GROUNDWATER IMPACTS | | |
| <ul style="list-style-type: none"> Groundwater Impacted Above Background - Groundwater impacted by chlorinated and non-chlorinated VOCs | | |
| UNACCEPTABLE RISK | | |
| <ul style="list-style-type: none"> Unacceptable Risks to Human Health from Vapor Intrusion - Ongoing venting underneath building 510 | | |
| BENEFITS OF ADDITIONAL WORK | | |
| <ul style="list-style-type: none"> Verify Remedial Action Effectiveness - and to assess effectiveness of enhanced bioremediation of the VOCs in the groundwater Remove / Reduce Source Mass - Ongoing enhanced bioremediation of the VOCs in groundwater Protect Human Health - Additional monitoring necessary to assess potential VI impacts to off-site residential and on-site commercial buildings. Protect Ecological Receptors - Low concentrations of VOC detected in wells just north of Newport Bay. Ongoing monitoring necessary to assess potential impacts to Newport Bay | | |
| SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT | | |
| SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | COMMENTS |
| Groundwater | Already Impacted | Chlorinated and non-chlorinated VOCs in groundwater |
| Surface Water (Bay, Estuary, Stream, Lake) | Undetermined | Wells just upgradient of bay show low concentrations of VOCs |
| Indoor Air (Residential or Commercial) | Already Impacted | Ongoing subslab venting below building 510. |

GROUNDWATER MONITORING FREQUENCY

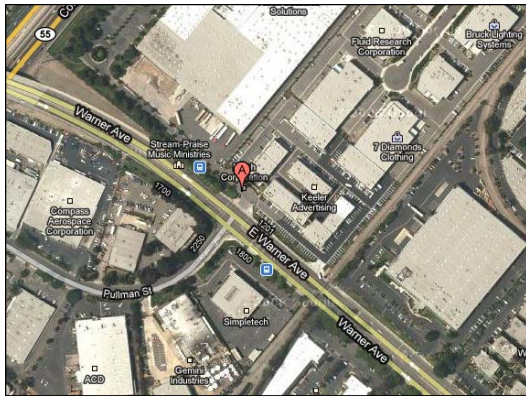
OF WELLS MONITORED - SEMI-ANNUALLY : 53

Review Conclusions T0605900648

- Review indicates:
 - Site has years of on-going remediation
 - Enhanced In-Situ Bioremediation has been conducted on-site from March through October 2009 to reduce VOCs in groundwater
 - Remediation report indicated that *"VOC in GW appears to be stable in most areas and concentrations have declined in the on-site source areas."*
- Discussion:
 - Effectiveness of remediation → elevated concentrations of daughter products indicates that biodegradation is occurring naturally
 - Vapor intrusion? SLIC Site?
- Potential closure candidate in a few years pending GW trends

STEELCASE, INC. WESTERN DIV. (T0605900308)

1123 WARNER AVE, TUSTIN, CA 92680



Case Age: 23 years
Primary COC: Chlorinated HC
RP Identified: Steelcase Inc Western Div
Potential Media Affected: Aquifer used for drinking water supply
Current Land Use: Commercial

CLEANUP OVERSIGHT AGENCIES
 SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 0830003897
 CASEWORKER: CARL BERNHARDT - SUPERVISOR: Ken Williams
 ORANGE COUNTY LOP - CASE #: 85UT093

| ACTIVITY TYPE | ACTION | ACTION DATE | RESOLVED / ISSUE DATE |
|--------------------|--|-------------|-----------------------|
| RESPONSE - REPORTS | October 2008 Effluent Sampling Reports | 11/30/2008 | 11/20/2008 |
| RESPONSE - REPORTS | Special Discharge Permit to Sanitary Sewer September 2008 | 10/30/2008 | 10/24/2008 |
| RESPONSE - REPORTS | 3rd Qtr 2008 Monitoring Report | 10/30/2008 | 10/6/2008 |
| RESPONSE - REPORTS | Special Discharge Permit to Sanitary Sewer July to August 2008 | 9/30/2008 | 9/25/2008 |

Possible Reasons Why This Case Is So Old

- Appears to have gap in oversight and RP involvement between 1988 and 1996
- Limited oversight and RP involvement
- Closure requested by RP in 2005, but not granted (unknown reason)
- Limited document upload to GeoTracker
- Last activities reported in GT in 2008

NOTE: Data queried from GeoTracker and reviewed in June 2010



Activities Conducted to Date Based on GeoTracker

(T0605900308)

Assessment last 5 years

- Ongoing: GW monitoring
- 2002-2008: Waste discharge report

Remediation last 5 years

- NONE DOCUMENTED

Assessment older than 5 years

- 2003: Soil and Water investigation
- 2002-2006: Monitoring
- 2002-2008: Waste discharge report

Remediation older than 5 years

- 2004: Remediation (unspecified)
- 1996: Dual phase extraction
- 1988: Removed free product and Pump-and-Treat

IMPEDIMENTS TO CLOSURE (T0605900308)

as reported by regulatory agency

STEELCASE, INC. WESTERN DIV. (T0605900308) - (MAP)

1123 WARNER AVE
TUSTIN, CA 92680
ORANGE COUNTY
LUST CLEANUP SITE

CLEANUP OVERSIGHT AGENCIES
SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083000389T
CASEWORKER: CARL BERNHARDT
ORANGE COUNTY LOP - CASE #: 85UT093

Summary Closure Review Cleanup Status History Regulatory Activities Environmental Data (ESI) Site Maps / Documents Community Involvement

CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 9/21/2009 [VIEW ALL POSSIBLE CLOSURE REVIEW VALUES](#)

BENEFITS OF ADDITIONAL WORK

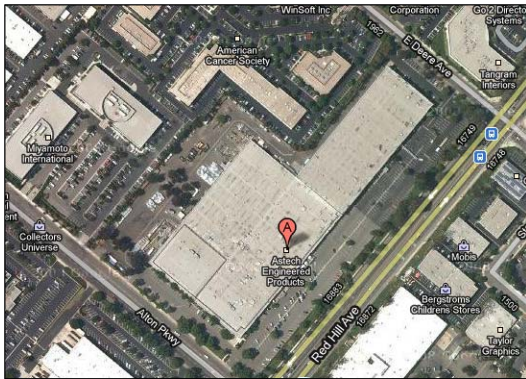
[Back to Top](#) [Contact Us](#)

Review Conclusions T0608500618

- Review indicates:
 - Closure Review conducted by agency on 09/21/2009 deemed “*Case is Not Ready for Closure*” – no additional information provided (see slide #3).
 - Case was opened as a result of an accidental subsurface release of solvents from a former 8,000-gal UST
 - RP requested for closure in 2005
 - No site document submittal in GT for this facility → only GWM reports – last report dated June 2009
- Discussion:
 - GW results from June 2009 → possible closure
 - GeoTracker compliance
 - Need for recent data
 - Solvent case (SLIC?)
- Potential closure candidate pending GW trends

ASTECH FACILITY (T0605900376)

3030 S RED HILL AVE, SANTA ANA, CA 92795



Case Age: 23 years
Primary COC: Solvents
RP Identified: Astech
Potential Media Affected: Aquifer used for drinking water supply
Current Land Use: Astech Engineered Products

CLEANUP OVERSIGHT AGENCIES
 SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083000468T
 CASEWORKER: [CARL BERNHARDT](#) - SUPERVISOR: Ken Williams
 SANTA ANA, CITY OF
 CASEWORKER: [CHRISTOPHER CIRAULO](#) - SUPERVISOR: NONE SPECIFIED

Possible Reasons Why This Case Is So Old

- Appears to have gaps in oversight and RP involvement between 1987 and 1992, and 1999 and 2002.
- Persistent GW contamination issue (chlorinated VOCs).
- Potential off-site migration issue.
- Source area not fully defined.

NOTE: Data queried from GeoTracker and reviewed in June 2010



| ACTIVITIES REPORT | ACTIVITY TYPE FILTER: | Show All Activities |
|--------------------|--|---------------------|
| ACTION TYPE | ACTION | ACTION DATE |
| RESPONSE - REPORTS | Semi Annual Groundwater Monitoring Report | 1/30/2011 |
| RESPONSE - REPORTS | Semi Annual Groundwater Monitoring Report | 7/30/2010 |
| RESPONSE - REPORTS | Multiphase Extraction System Remediation Status Report | 4/30/2010 |

Activities Conducted to Date Based on GeoTracker (T0605900376)

Assessment last 5 years

- Ongoing: Monitoring

Remediation last 5 years

- 2009: Multi-Phase Treatment system
- 2007: CAP/RAP – MPE pilot test

Assessment older than 5 years


- 2003: Soil and water investigation
- 2002-2009: GW monitoring

Remediation older than 5 years

- 1999: Pump and Treat
- 1992: Excavate and dispose

IMPEDIMENTS TO CLOSURE (T0605900376)

as reported by regulatory agency

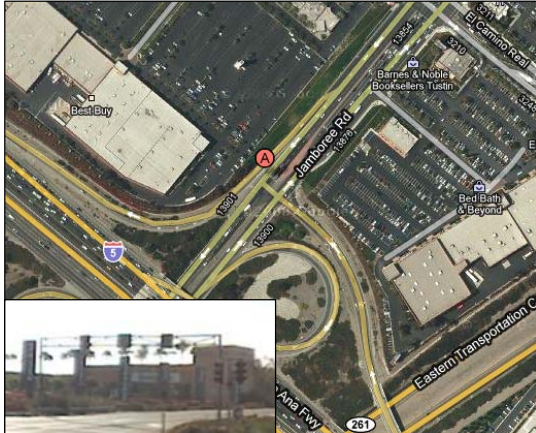
| ASTECH FACILITY (T0605900376) - (MAP) | | | |
|---|------------------------------|--|-----------------------|
| 3030 S RED HILL AVE SANTA ANA, CA 92795 ORANGE COUNTY LUST CLEANUP SITE | | CLEANUP OVERSIGHT AGENCIES SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083000468T CASEWORKER: CARL BERNHARDT SANTA ANA, CITY OF CASEWORKER: CHRISTOPHER CIRAULO | |
| Summary | Closure Review | Cleanup Status History | Regulatory Activities |
| Environmental Data (ESI) Site Maps / Documents Community Involvement | | | |
| CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 12/23/2009 VIEW ALL POSSIBLE CLOSURE REVIEW VALUES | | | |
| IMPEDIMENTS TO CLOSURE | | | |
| SITE ASSESSMENT INCOMPLETE | | | |
| <ul style="list-style-type: none"> Extent of Contamination Has Not Been Determined - Fluctuating concentrations of VOCs in some downgradient monitoring wells indicate that a portion of the plume may be migrating off-site. | | | |
| PLUME INSTABILITY | | | |
| <ul style="list-style-type: none"> Groundwater Contamination Plume Not Stable or Decreasing - Fluctuating concentrations of VOCs in some downgradient monitoring wells indicate that a portion of the plume may be migrating off-site. | | | |
| GROUNDWATER IMPACTS | | | |
| <ul style="list-style-type: none"> Groundwater Impacted Above Background - Chlorinated VOCs impacting underlying groundwater significantly above MCLs Groundwater Impacted Above Other Cleanup Goal - Chlorinated VOCs impacting underlying groundwater significantly above 100 ug/l total VOCs | | | |
| BENEFITS OF ADDITIONAL WORK | | | |
| <ul style="list-style-type: none"> Remove / Reduce Source Mass - Ongoing DPE reducing mass in chemical storage area. Expansion to clarifier area should be evaluated | | | |
| SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT | | | |
| SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | COMMENTS | |
| Groundwater | Already Impacted | Shallow groundwater underlying the site has been impacted with VOCs | |
| NOTES / COMMENTS | | | |
| The primary cleanup is from chemical storage area and clarifier, so should consider moving to SLIC program.  | | | |
| GROUNDWATER MONITORING FREQUENCY | | | |
| # OF WELLS MONITORED - SEMI-ANNUALLY : 17, ANNUALLY : 8, OTHER : 10 | | | |
| REASONS FOR QUARTERLY OR MONTHLY OR OTHER GROUNDWATER MONITORING: | | | |
| <ul style="list-style-type: none"> Other - Ten wells not currently sampled. | | | |

Review Conclusions T0605900376

- Review indicates:
 - Potential off-site VOCs plume migration in GW
 - Persistent chlorinated VOCs in GW at this site
 - Closure Review by agency indicated, *"The primary cleanup is from chemical storage area and clarifier, so should consider moving to SLIC program."*
- Discussion:
 - SLIC case?
 - GW contamination cleanup approach and timeline
 - Effectiveness of on-going remediation
- Potential closure candidate pending GW trends

PRUDENTIAL (FORMER BECKMAN) (T0605901027)

19000 JAMBOREE RD, IRVINE, CA 92715 (92782?)



Case Age: 23 years

Primary COC: **Solvents**

RP Identified: Prudential Realty Group

Potential Media Affected: Aquifer used for drinking water supply

Current Land Use: Apartment

CLEANUP OVERSIGHT AGENCIES

SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083001354T
 CASEWORKER: [NANCY OLSON-MARTIN](#) - SUPERVISOR: Ken Williams
 ORANGE COUNTY LOP - CASE #: 90IC038

Possible Reasons Why This Case Is So Old

- Site has persistent GW contamination
- Gaps in oversight and RP involvement

| ACTIVITY TYPE FILTER: Show All Activities <input type="button" value="Go"/> | | | | * INDICATES A REVISED DUE DATE |
|--|-------------|-----------------------|---|--------------------------------|
| ACTION | ACTION DATE | RECEIVED / ISSUE DATE | ACTION DESCRIPTION | |
| Post-Remedial Progress and Data Report (January through June 2009) | 11/30/2009 | 11/30/2009 | Groundwater monitoring and sampling activities were conducted in February and May 2009. The February and May 2009 groundwater depths for the Upper Perched Zone (UPZ) ranged from 21.05 feet to 39.22 feet and 21.00 feet to 39.85 feet, respectively. In the Lower Aquifer, depth to groundwater ranged from 45.64 feet to 76.82 feet and 48.15 feet to 75.51 feet, respectively. In February 2009, the maximum 1,1-DCA, 1,2-DCA, PCE, and TCE concentrations in the Upper Aquifer were detected at 2 ppb, 2.7 ppb, 1,300 ppb, and 2.5 ppb, respectively. In May 2009, the maximum concentrations of these same VOCs in the UPZr were detected at 1.1 ppb, 2.2 ppb, 860 ppb, and 0.76 ppb, respectively. In the Lower Aquifer, the maximum 1,1-DCA, 1,1-DCE, cis-1,2-DCE, PCE, TCE, vinyl chloride, and 1,1,1-TCA concentrations detected in February 2009 were at 1.3 ppb, 2.0 ppb, 31 ppb, 58 ppb, 9.9 ppb, 7.8 ppb, and 0.95 ppb, respectively. The maximum concentrations of these same VOCs were detected in the May 2009 sampling event at 2.4 ppb, 1.6 ppb, 28 ppb, 54 ppb, 20 ppb, 7.8 ppb, and 4.1 ppb, respectively. | |

NOTE: Data queried from GeoTracker and reviewed in June 2010

Activities Conducted to Date Based on GeoTracker (T0605901027)

Assessment last 5 years

- Ongoing: Monitoring

Remediation last 5 years

- Ongoing: Remediation

Assessment older than 5 years

- 2004: Soil and water investigation, and Monitoring
- 2003: Soil and Water investigation, and NPDES

Remediation older than 5 years

- 2003: Remediation
- 1992: GW Pump and Treat

IMPEDIMENTS TO CLOSURE (T0605901027)

as reported by regulatory agency

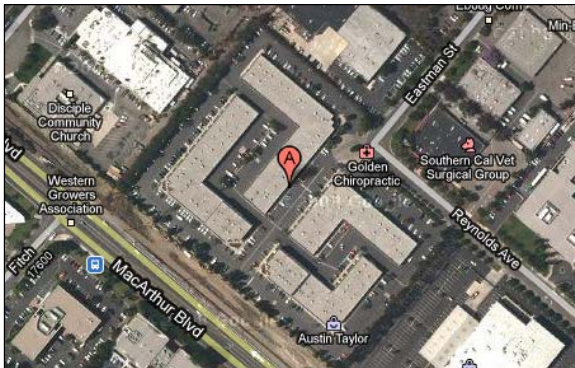
| PRUDENTIAL (FORMER BECKMAN) (T0605901027) - (MAP) | | |
|--|------------------------------|---|
| 19000 JAMBOREE RD IRVINE, CA 92715 ORANGE COUNTY LUST CLEANUP SITE | | CLEANUP OVERSIGHT AGENCIES SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083001354T CASEWORKER: NANCY OLSON-MARTIN ORANGE COUNTY LOP - CASE #: 901C038 |
| Summary | Closure Review | Cleanup Status History |
| Regulatory Activities | | |
| Environmental Data (ESI) | | |
| Site Maps / Documents | | |
| Community Involvement | | |
| CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 8/3/2009 VIEW ALL POSSIBLE CLOSURE REVIEW VALUES | | |
| IMPEDIMENTS TO CLOSURE | | |
| GROUNDWATER IMPACTS | | |
| <ul style="list-style-type: none"> Groundwater Impacted Above Other Cleanup Goal - In late 2008 sampling event, PCE in Upper Zone ~ 1,000 ppb and ~75 ppb in the Lower Zone. Other - Conducting post-remedial and natural attenuation monitoring. | | |
| UNACCEPTABLE RISK | | |
| <ul style="list-style-type: none"> Other - A human health risk assessment was required by the County and conducted several years ago. Mitigation measure(s) were identified and used during the construction of apartment (condo) buildings at the subject site. | | |
| LAND USE IMPEDIMENTS | | |
| <ul style="list-style-type: none"> Other - See above regarding the HHRA conducted for the site. | | |
| Other Impediments | | |
| <ul style="list-style-type: none"> Long-term monitoring required for natural attenuation of residual PCE and other VOCs/HVOCs remaining beneath the site. | | |
| BENEFITS OF ADDITIONAL WORK | | |
| <ul style="list-style-type: none"> Verify Remedial Action Effectiveness - Post-remedial and natural attenuation monitoring. Protect Designated Beneficial Uses - Area is designated as MUN Use in the Basin Plan. Protect Ecological Receptors - Monitoring the perimeter since the San Diego Creek and San Joaquin Marsh are located nearby. Other - See above regarding nearby creek and marsh. | | |
| SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT | | |
| SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | COMMENTS |
| Groundwater | Already Impacted | Groundwater is impacted |
| GROUNDWATER MONITORING FREQUENCY | | |
| # OF WELLS MONITORED - QUARTERLY : 30, ANNUALLY : 21 | | |
| REASONS FOR QUARTERLY OR MONTHLY OR OTHER GROUNDWATER MONITORING: | | |
| <ul style="list-style-type: none"> Well Being Sampled for Post-Remedial Action Verification Monitoring - Post-remedial and natural attenuation monitoring of remaining wells for residual VOCs (primarily PCE), remaining in both the Upper and Lower Zone wells. Well Is Last Point of Monitoring Prior to possible impact to Receptor - The San Diego Creek is located 1,000 feet south (down-gradient) of the site. The San Joaquin Marsh is also located south or down-gradient of the site. | | |

Review Conclusions T0605901027

- Review indicates:
 - Site has been re-developed into apartment – mitigation were implemented during the construction
 - Closure Review indicated “long-term monitoring required for natural attenuation of residual PCE and other VOCs/HVOCs remaining beneath the site.”
 - June 2009 GW sampling → site has high levels of VOCs in GW
- Discussion:
 - Effectiveness of remediation
 - GW contamination levels
 - SLIC Site?
- Site closure status pending remedial monitoring results

UNISYS/MEMOREX (T0605901091)

1352 REYNOLDS AVE, IRVINE, CA 92714



Case Age: 23 years
Primary COC: Chlorinated HC
RP Identified: Unisys Corporation
Potential Media Affected: Aquifer used for drinking water supply
Current Land Use: Commercial?
NOTE: Case transferred from Orange County LOP (2008)

CLEANUP OVERSIGHT AGENCIES
 SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083001440T
 CASEWORKER: [CARL BERNHARDT](#) - SUPERVISOR: Ken Williams
 ORANGE COUNTY LOP - CASE #: 90UT035

Possible Reasons Why This Case Is So Old

- No report/document upload to GeoTracker
- Case was transferred between agencies
- Limited oversight and RP involvement
- Potential commingled plume (off-site sources of VOCs)



| ACTIVITIES REPORT | | ACTIVITY TYPE FILTER: Show All Activities | | Go | * INDICATES A REVISED DUE DATE |
|--------------------------|---|---|----------------------|--|--------------------------------|
| ACTION TYPE | ACTION | ACTION DATE | RECEIVED /ISSUE DATE | ACTION DESCRIPTION | |
| ENFORCEMENT/ORDERS | Staff Letter | 3/26/2010 | 3/26/2010 | Approval of Supplemental Site Closure Assessment Work Plan | |
| OTHER REGULATORY ACTIONS | Technical Correspondence / Assistance / Other | 5/20/2009 | 5/20/2009 | Email followup to meeting Requested groundwater sampling to assess current site condition and compliance with GeoTracker reporting requirements. | |

NOTE: Data queried from GeoTracker and reviewed in June 2010

Activities Conducted to Date Based on GeoTracker (T0605901091)

Assessment last 5 years

- NONE DOCUMENTED

Remediation last 5 years

- NONE DOCUMENTED

Assessment older than 5 years

- NONE DOCUMENTED

Remediation older than 5 years

- 1990: GW Pump and Treat

IMPEDIMENTS TO CLOSURE (T0605901091)

as reported by regulatory agency

UNISYS/MEMOREX (T0605901091) - (MAP)

1352 REYNOLDS AVE
IRVINE, CA 92714
ORANGE COUNTY
LUST CLEANUP SITE

CLEANUP OVERSIGHT AGENCIES
SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083001440T
CASEWORKER: CARL BERNHARDT
ORANGE COUNTY LOP - CASE #: 90UT035

Summary Closure Review Cleanup Status History Regulatory Activities Environmental Data (ESI) Site Maps / Documents Community Involvement

CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 12/23/2009

[VIEW ALL POSSIBLE CLOSURE REVIEW VALUES](#)

IMPEDIMENTS TO CLOSURE

PLUME INSTABILITY

- Groundwater Contamination Plume Not Stable or Decreasing - Site being impacted by upgradient source of VOCs commingling with on-site sources.
- Verification Monitoring Not Complete - Workplan for confirmation sampling submitted to determine amount contamination residual vs. upgradient

GROUNDWATER IMPACTS

- Groundwater Impacted Above Background - Groundwater impacted by chlorinated solvent
- Groundwater Impacted Above Other Cleanup Goal - VOCs above MCLs

BENEFITS OF ADDITIONAL WORK

- Fill-in RI Data Gaps - Need to determine residual VOC source on site
- Verify Remedial Action Effectiveness - Groundwater remediation stopped when determined that the site is being impacted from off-site, upgradient sources of VOCs.
- Protect Ecological Receptors - VOCs detected in surface water sampled from adjacent storm drain

SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT

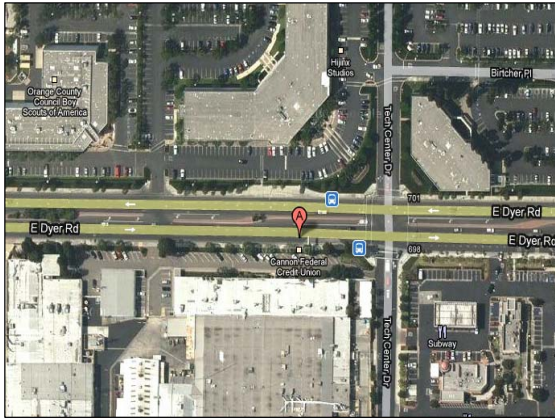
| SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | COMMENTS |
|--|-----------------------|---|
| Groundwater | Already Impacted | Groundwater Already impacted by VOCs |
| Surface Water (Bay, Estuary, Stream, Lake) | Already Impacted | VOCs in adjacent partially line storm drain may be impart due to site and nearby Ricoh facility |

Review Conclusions T0605901091

- Review indicates:
 - No document/report in GeoTracker → only one RWQCB letter (03/2010) “Approval of Supplemental Site Closure Assessment Workplan”
 - Closure Review indicated that site has commingled plume (being impacted by up-gradient VOCs source)
 - Activities Report shows site closure was denied in 2003, and a Closure Summary Report was submitted in 2006
- Discussion:
 - GeoTracker compliance
 - Cleanup closure timeline
- Potential closure candidate pending results from site closure assessment

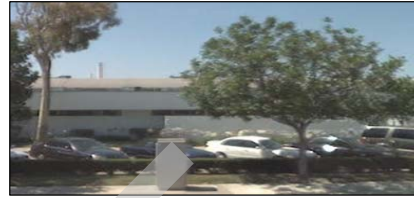
ITT CANNON (T0605900424)

666 E DYER ROAD, SANTA ANA, CA 92705



Case Age: 22 years
Primary COC: Trichloroethylene (TCE)
RP Identified: ITT Cannon
Potential Media Affected:
Current Land Use: Commercial - ITT Cannon

CLEANUP OVERSIGHT AGENCIES
 SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083000530T
 CASEWORKER: [NANCY OLSON-MARTIN](#) - SUPERVISOR: Ken Williams
 SANTA ANA, CITY OF
 CASEWORKER: [CHRISTOPHER CIRAULO](#) - SUPERVISOR: NONE SPECIFIED



Possible Reasons Why This Case Is So Old

- Persistent GW contamination (VOC, HVOC and dioxane)
- GW contamination has migrated off-site (being remediated)
- Effectiveness of remediation (since 1997?)
- Gaps in oversight and RP involvement

NOTE: Data queried from GeoTracker and reviewed in June 2010

| ACTIVITIES REPORT | | ACTIVITY TYPE FILTER: Show All Activities | |
|--------------------------|---|---|-----------------------|
| ACTION TYPE | ACTION | ACTION DATE | RECEIVED / ISSUE DATE |
| RESPONSE - OTHER | Schedule Meeting for September 2010 | 9/1/2010 | |
| RESPONSE - OTHER | Schedule Meeting for June 2010 | 6/1/2010 | |
| RESPONSE - OTHER | Verbal Approval to Proceed W/Sampling Plans | 3/17/2010 | 3/17/2010 |
| OTHER REGULATORY ACTIONS | Meeting | 3/3/2010 | 3/3/2010 |

Activities Conducted to Date Based on GeoTracker (T0605900424)

Assessment last 5 years

- 2005-ongoing: GW monitoring

Remediation last 5 years

- 2007; Dual phase extraction
- 2005: Off-site in-situ

Assessment older than 5 years

- 2002: NPDES

Remediation older than 5 years

- 2004: In-situ treatment
- 2001: GW Pump and Treat

IMPEDIMENTS TO CLOSURE (T0605900424)

as reported by regulatory agency

| Summary | Closure Review | Cleanup Status History | Regulatory Activities | Environmental Data (ESI) | Site Maps / Documents | Community Involvement | | | | | | |
|---|-----------------------|--|-----------------------|--------------------------|-----------------------|-----------------------|--------------------|-----------------------|----------|-------------|------------------|--|
| <p>CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 8/3/2009 VIEW ALL POSSIBLE CLOSURE REVIEW VALUES</p> <p>IMPEDIMENTS TO CLOSURE</p> <p>SITE ASSESSMENT INCOMPLETE</p> <ul style="list-style-type: none"> • Sensitive Receptor Survey Has Not Been Completed - <i>Need to determine if sensitive receptor survey was conducted several years ago.</i> <p>INADEQUATE SOURCE CONTROL</p> <ul style="list-style-type: none"> • Remaining Source Poses Threat to Groundwater - <i>Active remediation occurring at the site and off-site. monitoring is required for the shallow, intermediate, and deep units.</i> <p>PLUME INSTABILITY</p> <ul style="list-style-type: none"> • Verification Monitoring Not Complete - <i>In-situ remediation in the off-site (down-gradient) area requires natural attenuation and post-remediation monitoring. Post-remedial monitoring required for the on-site portion of the plume.</i> <p>GROUNDWATER IMPACTS</p> <ul style="list-style-type: none"> • Groundwater Impacted Above Other Cleanup Goal - <i>VOC and HVOCs exceed cleanup goals. Note that the March 2009 sampling event revealed maximum PCE concentrations at 25,000 ppb in the shallow unit and 1,800 ppb in the intermediate unit. Several other elevated HVOCs were noted.</i> <p>PROCEDURAL IMPEDIMENTS</p> <ul style="list-style-type: none"> • Regional Water Board Objects to Closure - <i>Several elevated HVOCs (i.e. PCE) still present. Soil and groundwater remediation still required as well as post-remedial monitoring and future confirmation soil borings.</i> <p>Other Impediments</p> <ul style="list-style-type: none"> • Dioxane is also present in the groundwater beneath the site as well as numerous VOCs/HVOCs. Monitoring/remediation includes the shallow, intermediate, and deeper units. <p>BENEFITS OF ADDITIONAL WORK</p> <ul style="list-style-type: none"> • Verify Remedial Action Effectiveness - <i>In-situ verification sampling occurring in the down-gradient/off-site extent of the plume. Post-remedial monitoring will be required in the on-site area of the plume.</i> • Remove / Reduce Source Mass - <i>Remediation on-going.</i> • Restore Beneficial Uses - <i>Municipal use designated for this area under the Basin Plan.</i> <p>SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT</p> <table border="1"> <thead> <tr> <th>SENSITIVE RECEPTOR</th> <th>TIME FRAME FOR IMPACT</th> <th>COMMENTS</th> </tr> </thead> <tbody> <tr> <td>Groundwater</td> <td>Already Impacted</td> <td>Groundwater is impacted by HVOCs and VOCs.</td> </tr> </tbody> </table> <p>GROUNDWATER MONITORING FREQUENCY</p> <p># OF WELLS MONITORED - QUARTERLY : 12, SEMI-ANNUALLY : 28, ANNUALLY : 15</p> <p>REASONS FOR QUARTERLY OR MONTHLY OR OTHER GROUNDWATER MONITORING:</p> <ul style="list-style-type: none"> • Well Being Sampled During Remedial Action for Progress Assessment - <i>Monitoring required for the shallow, intermediate, and deep units. Also, HVOC contamination.</i> • Well Being Sampled For Free Product Evaluation and Reduction Verification - <i>See above.</i> | | | | | | | SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | COMMENTS | Groundwater | Already Impacted | Groundwater is impacted by HVOCs and VOCs. |
| SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | COMMENTS | | | | | | | | | | |
| Groundwater | Already Impacted | Groundwater is impacted by HVOCs and VOCs. | | | | | | | | | | |

Review Conclusions T0605900424

- Review indicates:
 - Site has ongoing remediation and had several types of remediation since 1997
 - Site has persistent VOC, HVOC and Dioxane GW contamination
- Discussion:
 - Effectiveness of remediation
 - GW contamination source
 - SLIC Site?
- Not a potential closure candidate

SEARS, ROEBUCK AND COMPANY (T0605900889)

205 W POMONA ST., SANTA ANA, CA 92707



Case Age: 21 years
Primary COC: Gasoline
RP Identified by Regulator: Sears Merchandise Group
Potential Media Affected: Aquifer used for drinking water supply
Current Land Use: Retail

CLEANUP OVERSIGHT AGENCIES
 SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 0830011287
 CASEWORKER: ROSE SCOTT - SUPERVISOR: Ken Williams
 SANTA ANA, CITY OF
 CASEWORKER: CHRISTOPHER CIRAULO - SUPERVISOR: NONE SPECIFIED



Possible Reasons Why This Case Is So Old

- Site has consistent high dissolved benzene levels, and occasional free product
- Highest levels of contamination remain in a semi-confined layer (which limits the effectiveness of the HVDPE system)
- Potential off-site source - MTBE appears to be migrating on site from a nearby LUFT case (T0605900155)
- Multiple USTs removed over different periods
- Change in land owners

NOTE: Data queried from GeoTracker and reviewed in June 2010

| ACTIVITIES REPORT | | ACTIVITY TYPE FILTER: Show All Activities | Go |
|--------------------------|---|---|----|
| ACTION TYPE | ACTION | ACTION DATE | |
| OTHER REGULATORY ACTIONS | Technical Correspondence / Assistance / Other | 3/2/2010 | |
| ENFORCEMENT/ORDERS | Staff Letter | 6/23/2009 | |
| ENFORCEMENT/ORDERS | Staff Letter | 3/10/2009 | |
| OTHER REGULATORY ACTIONS | Technical Correspondence / Assistance / Other | 1/29/2009 | |
| RESPONSE - REPORTS | Corrective Action Report | 6/30/2008 | |
| RESPONSE - REPORTS | Remedial Progress Report | 2/28/2008 | |
| ENFORCEMENT/ORDERS | Staff Letter | 10/23/2007 | |
| RESPONSE - REPORTS | CAP/RAP - Feasibility Study Report | 1/30/2007 | |

Activities Conducted to Date Based on GeoTracker Info T0605900889

Assessment last 5 years

- Ongoing: Groundwater monitoring
- 2008: Soil investigation

Remediation last 5 years

- 2003-2006: HVDPE system
- **NOTE:** The site is now being evaluated for In-Situ Chemical Oxidation

Assessment older than 5 years

- 1988: Site assessment
- 1996: Site investigations
- 1993-ongoing: Groundwater monitoring

Remediation older than 5 years

- 1988 and 1995: USTs removed
- 1996: Pilot DPE system installed (replaced by a permanent HVDPE system in 1998 and operated until 2001, and again from 2003-2006)
- 2003-2006: Passive skimmers used intermittently

IMPEDIMENTS TO CLOSURE T0605900889

as reported by regulatory agency

| Summary | Closure Review | Cleanup Status History | Regulatory Activities | Environmental Data (ESI) | Site Maps / Documents | Cor |
|--|------------------------------|--|-----------------------|--------------------------|-----------------------|-----|
| CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 11/10/2009 | | | | | | |
| IMPEDIMENTS TO CLOSURE | | | | | | |
| GROUNDWATER IMPACTS | | | | | | |
| <ul style="list-style-type: none"> Groundwater Impacted Above Background - <i>Benzene greater than 2500 ug/l and occasional free product.</i> | | | | | | |
| BENEFITS OF ADDITIONAL WORK | | | | | | |
| <ul style="list-style-type: none"> Remove / Reduce Source Mass - <i>Completed DPE and now beginning c-sparge.</i> | | | | | | |
| SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT | | | | | | |
| SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | COMMENTS | | | | |
| Groundwater | Already Impacted | Benzene still greater than 2500 ug/l after years of cleanup. | | | | |

GROUNDWATER MONITORING FREQUENCY

OF WELLS MONITORED - SEMI-ANNUALLY : 25

Review Conclusions T0605900889

- Review indicates:
 - Persistent high levels of TPH-g and BTEX in GW
 - Additional remediation planned for 2010 to remediate benzene
 - An in-situ Chemical oxidation system is being considered (contamination in the semi-confined layer limits the effectiveness of the HVDPE system)
- Discussion:
 - GW contamination
 - Effectiveness of remediation
 - Cleanup closure timeline
- This site appears to require additional remediation.

ALPHA AUTO SALES (T0605900978) 8180 BOLSA AVE., MIDWAY CITY, CA 92655



Case Age: 21 years
Primary COC: Gasoline
RP Identified: "Blank RP" – **Unclaimed in GeoTracker**
Potential Media Affected: Aquifer used for drinking water supply
Current Use: Alpha Auto Sales

CLEANUP OVERSIGHT AGENCIES
SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083001263T
CASEWORKER: [NANCY OLSON-MARTIN](#) - SUPERVISOR: Ken Williams
ORANGE COUNTY LOP - CASE #: 89UT115

Possible Reasons Why This Case Is So Old

- No report/documents /data uploaded to GeoTracker
- No assessment conducted to date
- Recalcitrant RP
- Financial → Site owner defaulted on SBA loan and SBA refuses to be held responsible



NOTE: Data queried from GeoTracker and reviewed in June 2010

| ACTIVITIES REPORT | | ACTIVITY TYPE FILTER: Show All Activities |
|---------------------|--------------------------------|---|
| ACTION TYPE | ACTION | ACTION DATE |
| LEAK ACTION | Leak Reported | 7/11/1989 |
| LEAK ACTION | Leak Discovery | 6/28/1989 |
| LEAK ACTION | Leak Stopped | 6/28/1989 |
| ENFORCEMENT - OTHER | * No Action | 1/1/1965 |

Activities Conducted to Date Based on GeoTracker Info T0605900978

Assessment last 5 years

- NONE DOCUMENTED

Remediation last 5 years

- NONE DOCUMENTED

Assessment older than 5 years

- NONE DOCUMENTED

Remediation older than 5 years

- NONE DOCUMENTED

IMPEDIMENTS TO CLOSURE (T0605900978)

as reported by regulatory agency

| Summary | Closure Review | Cleanup Status History | Regulatory Activities | Environmental Data (ESI) | Site Maps / Documents |
|--|----------------|------------------------------|-----------------------|--------------------------|-----------------------|
| CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 7/31/2009 VIEW ALL POSSIBLE CLOSURE REVIEW VALUES | | | | | |
| IMPEDIMENTS TO CLOSURE | | | | | |
| SITE ASSESSMENT INCOMPLETE | | | | | |
| • Other - No assessment conducted to date. | | | | | |
| INADEQUATE SOURCE CONTROL | | | | | |
| • Other - No assessment conducted to date | | | | | |
| PLUME INSTABILITY | | | | | |
| • Other - Unknown | | | | | |
| GROUNDWATER IMPACTS | | | | | |
| • Other - Unknown | | | | | |
| WELL IMPACTS | | | | | |
| • Other - Unknown | | | | | |
| UNACCEPTABLE RISK | | | | | |
| • Other - Unknown | | | | | |
| PROCEDURAL IMPEDIMENTS | | | | | |
| • Non-Responsive and / or Recalcitrant Responsible Party - The Small Business Administration said that they can not be held responsible for this site. The loan defaulted back to SBA several years ago. | | | | | |
| • RP Says They Do Not Have Adequate Funds to Initiate or Continue Work at the Site - No known new RP other than SBA> | | | | | |
| Other Impediments | | | | | |
| • File appears to be lost. | | | | | |
| BENEFITS OF ADDITIONAL WORK | | | | | |
| • Other - Unknown | | | | | |
| SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT | | | | | |
| SENSITIVE RECEPTOR | | TIME FRAME FOR IMPACT | | COMMENTS | |
| Other | | Undetermined | | Undetermined | |

Review Conclusions T0605900978

- Review indicates:
 - No report/document/letter available in GeoTracker
 - Case Folder appears to be lost → no information regarding site is available
 - No documented assessment or remediation performed at site
 - RP issue (SBA refuses to take responsibility for this site)
- Discussion:
 - Identify RP and claim case
 - GeoTracker compliance
 - Next step to move case towards cleanup closure
- Unable to determine case status

CIRCLE K #0339 (T0606500157)

8899 LIMONITE AVE, PEDLEY, CA 92509



Case Age: 22 years
Primary COC: Gasoline
RP Identified: Circle K Corp.
Current Use: Retail / Commercial
Potential Media Affected: Aquifer used for drinking water supply

CLEANUP OVERSIGHT AGENCIES
 SANTA ANA RWQCB (REGION 8) (LEAD) - CASE # 083301335T
 CASEWORKER: CARL BERNHARDT - SUPERVISOR: Ken Williams
 RIVERSIDE COUNTY LOP - CASE # 89927
 CASEWORKER: UNK - SUPERVISOR: SHARON BOLTINGHOUSE

| ACTIVITIES REPORT | | ACTIVITY TYPE FILTER: Show All Activities | | Go |
|--------------------------|---|---|-----------------------|---|
| ACTION TYPE | ACTION | ACTION DATE | RECEIVED / ISSUE DATE | ACTION DESCRIPTION |
| OTHER REGULATORY ACTIONS | Preparation of Agenda Item | 4/30/2010 | 4/30/2010 | EAR Nomination List |
| ENFORCEMENT/ORDERS | Staff Letter | 4/12/2010 | 4/12/2010 | Approval of Work Plan for Groundwater Well Installation |
| RESPONSE - REPORTS | Results of Preliminary Environmental Site Investigation | 2/2/2010 | 2/2/2010 | |
| ENFORCEMENT/ORDERS | Staff Letter | 11/30/2009 | 11/30/2009 | Approval of Workplan for Preliminary Site Investigation |

Possible Reasons Why This Case Is So Old

- Recalcitrant RP is non-responsive, site has been placed into EAR program, but RP has denied site access
- Possible off-site contamination from an upgradient parcel that was formerly a service station
- Extent of contamination not fully defined



NOTE: Data queried from GeoTracker and reviewed in June 2010

Activities Conducted to Date Based on GeoTracker Info T0606500157

Assessment last 5 years

- 2006: Additional Monitoring wells installed, previous wells abandoned at this time
- 2006-2008: Quarterly Groundwater Monitoring conducted

Remediation last 5 years

- NONE DOCUMENTED

Assessment older than 5 years

- 1990-1992: Site investigations conducted, but no documents from these have been uploaded to GeoTracker

Remediation older than 5 years

- 1995: USTs removed, Excavate and dispose

IMPEDIMENTS TO CLOSURE T0606500157

as reported by regulatory agency

| CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 9/17/2009 | | VIEW ALL POSSIBLE |
|---|------------------------------|---|
| IMPEDIMENTS TO CLOSURE | | |
| SITE ASSESSMENT INCOMPLETE | | |
| <ul style="list-style-type: none"> Extent of Contamination Has Not Been Determined - <i>The downgradient and upgradient extent of the affected groundwater has not been fully defined.</i> | | |
| INADEQUATE SOURCE CONTROL | | |
| <ul style="list-style-type: none"> Feasible Source Control Not Performed - <i>No ongoing remediation</i> | | |
| GROUNDWATER IMPACTS | | |
| <ul style="list-style-type: none"> Groundwater Impacted Above Background - <i>Groundwater impacted by TPH and BTEX</i> Groundwater Impacted Above Other Cleanup Goal - <i>BTEX In Groundwater above low risk criteria</i> | | |
| PROCEDURAL IMPEDIMENTS | | |
| <ul style="list-style-type: none"> Non-Responsive and / or Recalcitrant Responsible Party - <i>Site currently under EAR. Operator of site has denied access for further work because EAR put lien on property.</i> | | |
| BENEFITS OF ADDITIONAL WORK | | |
| <ul style="list-style-type: none"> Fill-in RI Data Gaps - <i>extent of affected groundwater not defined</i> Remove / Reduce Source Mass - <i>Some site remediation may be warranted</i> | | |
| SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT | | |
| SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | COMMENTS |
| Domestic Wells | Undetermined | Given the semi-rural setting of the surrounding area, some private wells may exist in the area. |
| Groundwater | Already impacted | groundwater impacted from on-site releases with a larger impact from possible off-site source. |
| NOTES / COMMENTS | | |
| Awaiting workplan from McDonalds (upgradient party) to assess if former service station at the McDonalds site is impacting the groundwater | | |

GROUNDWATER MONITORING FREQUENCY

OF WELLS MONITORED - SEMI-ANNUALLY : 7

Review Conclusions T0606500157

- Review indicates:
 - Site was placed into EAR in 2000, and has been managed by the Regional board since.
 - The land owner has denied site access due to an environmental lean being placed on his property.
 - Many of the documents uploaded in GeoTracker for this case relates to the up-gradient McDonalds Property.
 - As of last monitoring event (2010), offsite contamination was still above water quality objectives.
- Discussion:
 - RP compliance and site access
- Site does not appear ready for closure

ANAHEIM REDEVELOPMENT AGENCY (T0605901198)

100 S KROEGER ST, ANAHEIM, CA 92805



Case Age: 20 years
Primary COC: Diesel
RP Identified: Anaheim Redevelopment Agency –
Unclaimed in GeoTracker
Potential Media Affected: Aquifer used for drinking water supply
Current Land Use: Residential

CLEANUP OVERSIGHT AGENCIES
 SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083001569T
 CASEWORKER: [CARL BERNHARDT](#) - SUPERVISOR: Ken Williams
 ANAHEIM, CITY OF
 CASEWORKER: [RALPH MCCAFFREY](#) - SUPERVISOR: RICHARD O. WILSON

| ACTIVITIES REPORT | | ACTIVITY TYPE FILTER: Show All Activities | Go | * INDICATES A REVISED DUE DATE | |
|----------------------|---|---|-----------------------|--|--|
| ACTION TYPE | ACTION | ACTION DATE | RECEIVED / ISSUE DATE | ACTION DESCRIPTION | |
| RESPONSE - WORKPLANS | Soil and Water Investigation Workplan | *5/30/2005 | | Groundwater Well Installation Workplan | |
| ENFORCEMENT/ORDERS | Staff Letter | 2/11/2005 | 2/11/2005 | Request for Additional Groundwater Investigation | |
| LEAK ACTION | Leak Reported | 6/22/1990 | | | |
| LEAK ACTION | Leak Discovery | 5/30/1990 | | | |
| ENFORCEMENT - OTHER | * No Action | 1/1/1965 | 1/1/1965 | | |

Possible Reasons Why This Case Is So Old

- No report/documents/site maps/history uploaded to GeoTracker
- Site is now a residential area (address does not exist anymore?)
- Impact of contamination remains unknown
- Uncooperative RP

NOTE: Data queried from GeoTracker and reviewed in June 2010



Activities Conducted to Date Based on GeoTracker Info (T0605901198)

Assessment last 5 years

- NONE DOCUMENTED

Remediation last 5 years

- NONE DOCUMENTED

Assessment older than 5 years

- A single monitoring well was installed at an unknown location at an unknown time. No analytical results are available on GeoTracker

Remediation older than 5 years

- NONE DOCUMENTED

IMPEDIMENTS TO CLOSURE (T0605901198)

as reported by regulatory agency

| Summary | Closure Review | Cleanup Status History | Regulatory Activities | Environmental Data (ESI) | Site Maps / Documents | Comment |
|--|------------------------------|---------------------------------|-----------------------|--------------------------|-----------------------|---------|
| CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 9/9/2009 VIEW ALL POSSIBLE CLOSURE REVIEW | | | | | | |
| IMPEDIMENTS TO CLOSURE | | | | | | |
| SITE ASSESSMENT INCOMPLETE | | | | | | |
| <ul style="list-style-type: none"> Extent of Contamination Has Not Been Determined - One one well upgradient of the source in the soil was installed. No source removal of the affected soil was conducted | | | | | | |
| PROCEDURAL IMPEDIMENTS | | | | | | |
| <ul style="list-style-type: none"> Other - Board staff requested additional groundwater wells because the one well was not downgradient of the source area. RP disagrees and insists that the one well adequately assess the potential for impact and feels that additional wells would unnecessary alarm the residents | | | | | | |
| BENEFITS OF ADDITIONAL WORK | | | | | | |
| <ul style="list-style-type: none"> Verify Remedial Action Effectiveness - The potential impact to the groundwater was never adequately assessed. | | | | | | |
| SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT | | | | | | |
| SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | COMMENTS | | | | |
| Groundwater | Undetermined | No downgradient wells installed | | | | |

Review Conclusions T0605901198

- Review indicates:
 - No reports/documents/letters/history available in GeoTracker
 - Appears to have a single up-gradient well installed at this site
 - Closure Review states that RWQCB requested additional site assessment and RP has refused
 - extent of the contamination cannot be determined
- Discussion:
 - RP and GeoTracker compliance
 - Next step to move case towards cleanup closure
- Insufficient information to determine the closure potential

PACIFIC SCIENTIFIC (T0605901102)

1350 S STATE COLLEGE BLVD, ANAHEIM, CA 92806



Case Age: 20 years
Primary COC: Trichloroethylene (TCE)
RP Identified: Pacific Scientific
Potential Media Affected: Aquifer used for drinking water supply
Current Land Use: Commercial

CLEANUP OVERSIGHT AGENCIES
 SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083001452T
 CASEWORKER: [CARL BERNHARDT](#) - SUPERVISOR: Ken Williams
 ANAHEIM, CITY OF
 CASEWORKER: [RALPH MCCAFFREY](#) - SUPERVISOR: RICHARD O. WILSON

Possible Reasons Why This Case Is So Old

- Persistent GW contamination (PCE and TCE) in spite of years of on-going GW remediation
- Source of contamination
- Site had change in ownership and was redeveloped

| ACTIVITIES REPORT | | ACTIVITY TYPE FILTER: Show All Activities | Go |
|--------------------------|------------------------------------|---|-----------------------|
| ACTION TYPE | ACTION | ACTION DATE | RECEIVED / ISSUE DATE |
| RESPONSE - REPORTS | 3rd Qtr 2008 Monitoring Report | 10/30/2008 | 10/20/2008 |
| RESPONSE - REPORTS | Monitoring Report - Quarterly | 7/30/2008 | 8/1/2008 |
| RESPONSE - REPORTS | Monitoring Report - Quarterly | 4/30/2008 | 6/3/2008 |
| RESPONSE - REPORTS | Monitoring Report - Quarterly | 1/30/2008 | 1/28/2008 |
| OTHER REGULATORY ACTIONS | Site Visit / Inspection / Sampling | 1/29/2008 | 1/29/2008 |
| RESPONSE - REPORTS | Monitoring Report - Quarterly | 10/30/2007 | 10/8/2007 |
| ENFORCEMENT/ORDERS | NPDES Permit | 9/18/2007 | 9/18/2007 |
| RESPONSE - REPORTS | Monitoring Report - Quarterly | 7/30/2007 | 7/30/2007 |



NOTE: Data queried from GeoTracker and reviewed in June 2010

Activities Conducted to Date Based on GeoTracker (T0605901102)

Assessment last 5 years

- Ongoing: Monitoring
- 2008: Site visit/inspection/sampling

Remediation last 5 years

- 2006: Remediation progress report

Assessment older than 5 years

- 2003: Site inspection
- 2002-ongoing: Monitoring, and Waste Discharge report
- 1997: Baseline GW monitoring

Remediation older than 5 years

- 2000: Methane/air sparging
- 1999: Air sparging
- 1998: GW extraction
- 1992: Pump and Treat GW, and Vacuum Extract

IMPEDIMENTS TO CLOSURE (T0605901102)

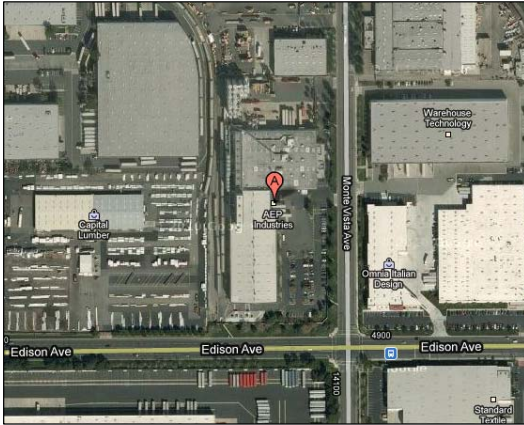
as reported by regulatory agency

| PACIFIC SCIENTIFIC (T0605901102) - (MAP) | | |
|--|--|---|
| 1350 S STATE COLLEGE BLVD ANAHEIM, CA 92806 ORANGE COUNTY LUST CLEANUP SITE | | CLEANUP OVERSIGHT AGENCIES SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083001452T CASEWORKER: CARL BERNHARDT ANAHEIM, CITY OF CASEWORKER: RALPH MCCAFFREY |
| Summary | Closure Review | Cleanup Status History Regulatory Activities Environmental Data (ESI) Site Maps / Documents Community Involvement |
| CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 10/23/2009 VIEW ALL POSSIBLE CLOSURE REVIEW VALUES | | |
| IMPEDIMENTS TO CLOSURE | | |
| INADEQUATE SOURCE CONTROL <ul style="list-style-type: none"> Remaining Source Poses Threat to Groundwater - While SVE and groundwater extraction activities have gone on for years, source still impacting groundwater | | |
| GROUNDWATER IMPACTS <ul style="list-style-type: none"> Groundwater Impacted Above Background - PCE and TCE# remain significantly above MCLs | | |
| BENEFITS OF ADDITIONAL WORK <ul style="list-style-type: none"> Verify Remedial Action Effectiveness - SVE and groundwater extraction activities are ongoing Remove / Reduce Source Mass - Additional source mass reduction necessary to reduce impact to underlying groundwater | | |
| SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT | | |
| SENSITIVE RECEPTOR Groundwater Indoor Air (Residential or Commercial) | TIME FRAME FOR IMPACT Already Impacted Undetermined | COMMENTS PCE and TCE# remain significantly above MCLs No vapor intrusion assessment conducted for existing commercial buildings |

Review Conclusions T0605901102

- Review indicates:
 - PCE and TCE levels in GW still exceed MCLs (in spite of implementing SVE and GW extraction for years)
 - Maximum levels of PCE and TCE (Nov 2009) were 96-µg/L and 1,000-µg/L, respectively
 - Source area still impacting GW
 - Site was occupied by an aircraft mechanical component manufacturing facility in 1989, and was redeveloped with construction of two commercial warehouse-type building in 1996
- Discussion:
 - Effectiveness of remediation
 - Cleanup closure timeline
 - Non petroleum SLIC Case?
- Potential closure candidate (pending GW trends)

ORNYTE FIBERGLASS (T0607100168) 14000 MONTE VISTA AVE, CHINO, CA 91710



Case Age: 20 years
Primary COC: **Solvents**
Potential Media Affected: Soil
RP Identified: Xerxes Corporation –
Unclaimed in GeoTracker
Current Land Use: AEP Industries Inc

CLEANUP OVERSIGHT AGENCIES
SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083601397T
CASEWORKER: [CARL BERNHARDT](#) - SUPERVISOR: Ken Williams

Possible Reasons Why This Case Is So Old

- Case was transferred between agencies (SBCFD to Santa Ana RWQCB).
- Appears to have multiple years of gap (1990 and 1998, and 1998 and 2009) in oversight and RP involvement.



NOTE: Data queried from GeoTracker and reviewed in June 2010

Activities Conducted to Date Based on GeoTracker (T0607100168)

Assessment last 5 years

- NONE DOCUMENTED

Remediation last 5 years

- NONE DOCUMENTED

Assessment older than 5 years

- NONE DOCUMENTED

Remediation older than 5 years

- NONE DOCUMENTED

IMPEDIMENTS TO CLOSURE (T0607100168)

as reported by regulatory agency

| ORNYTE FIBERGLASS (T0607100168) - (MAP) | | | | |
|---|--|--|--|--|
| 14000 MONTE VISTA AVE CHINO, CA 91710 SAN BERNARDINO COUNTY LUST CLEANUP SITE | | | CLEANUP OVERSIGHT AGENCIES SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083601397T CASEWORKER: CARL BERNHARDT | |
| Summary | Closure Review | Cleanup Status History | Regulatory Activities | Environmental Data (ESI) |
| CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 10/22/2009 VIEW ALL POSSIBLE CLOSURE REVIEW VALUES | | | | |
| IMPEDIMENTS TO CLOSURE | | | | |
| SITE ASSESSMENT INCOMPLETE | | | | |
| <ul style="list-style-type: none"> Extent of Contamination Has Not Been Determined - SBCFD granted closure even though elevated concentrations of chlorinated solvents were detected in the soil that were never defined. Potential Risks, Threats, And Other Environmental Concerns Have Not Been Adequately Identified And Assessed - Unknown if the residual VOCs poses vapor intrusion issues for the site. | | | | |
| INADEQUATE SOURCE CONTROL | | | | |
| <ul style="list-style-type: none"> Remaining Source Poses Threat to Groundwater - unknown if the residual solvents poses threat to groundwater | | | | |
| PROCEDURAL IMPEDIMENTS | | | | |
| <ul style="list-style-type: none"> Other - SBCFD prematurely closed the case | | | | |
| BENEFITS OF ADDITIONAL WORK | | | | |
| <ul style="list-style-type: none"> Fill-in RI Data Gaps - Extent of the affected soil needs to be defined | | | | |
| SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT | | | | |
| SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | COMMENTS | | |
| Groundwater | Undetermined | the extent of the soil contamination never define to groundwater | | |
| ACTIVITIES REPORT | | | | |
| ACTIVITY TYPE FILTER: Show All Activities <input type="button" value="Go"/> * INDICATES A REVISED DUE DATE | | | | |
| ACTION TYPE | ACTION | ACTION DATE | RECEIVED / ISSUE DATE | ACTION DESCRIPTION |
| OTHER REGULATORY ACTIONS | File review | 6/30/2009 | 6/30/2009 | Review of US EPA Records for Site The site is listed in The US EPA database (ID CAR000070631) under the RCRA Info System and Toxic Release Inventory System. The site is listed under AEP Industries. I haven't determined if this is the same entity as Ornyte. |
| OTHER REGULATORY ACTIONS | File review | 1/27/1998 | 1/27/1998 | Review closure by SBCFD SBCFD closed case when PCE, TCE and TCA were detected in the soil at 7.1, 4.6, and 1.5 ppm. Further assessment of the VOCs is warranted. |
| OTHER REGULATORY ACTIONS | Closure/No Further Action Letter | 3/19/1990 | 3/19/1990 | SBCFD Closure Letter |
| LEAK ACTION | Leak Reported | 1/25/1990 | | |
| LEAK ACTION | Leak Discovery | 1/12/1990 | | |
| LEAK ACTION | Leak Stopped | 1/12/1990 | | |

Review Conclusions T0607100168

- Review indicates:
 - No document/report/letter available in GeoTracker.
 - Case was re-opened in 1998 → closure review indicated that SBCFD granted case closure in 1990 with undefined elevated concentrations of chlorinated solvents in soil.
 - Threat of chlorinated solvent to GW remains undefined.
 - Last activity in GeoTracker dated 06/30/2009.
- Discussion:
 - RP and GeoTracker compliance, SLIC Case?
 - Cleanup closure timeline
- Unable to determine the closure status

SAFETY-KLEEN CORPORATION (T0605901155) 3876 FLORISTA ST, LOS ALAMITOS, CA 90720



NOTE: Other Safety-Kleen cases under DTSC are T0605901829 and T0607100369

Case Age: 20 years
Primary COC: Chlorinated HC
RP Identified: Pacific Scientific – **Unclaimed in GeoTracker**
Potential Media Affected: Aquifer used for drinking water supply
Current Land Use: Commercial
NOTE: Case transferred from Orange County LOP (2008)

Possible Reasons Why This Case Is So Old

- Case was transferred between agencies.
- No report/document/letter upload to GeoTracker.
- **Case in under DTSC jurisdiction.**

CLEANUP OVERSIGHT AGENCIES
SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083001452T
CASEWORKER: CARL BERNHARDT - SUPERVISOR: Ken Williams
ANAHEIM, CITY OF
CASEWORKER: RALPH MCCAFFREY - SUPERVISOR: RICHARD O. WILSON

NOTE: Data queried from GeoTracker and reviewed in June 2010



Activities Conducted to Date Based on GeoTracker (T0605901155)

Assessment last 5 years

- NONE DOCUMENTED

Remediation last 5 years

- NONE DOCUMENTED

Assessment older than 5 years

- NONE DOCUMENTED

Remediation older than 5 years

- NONE DOCUMENTED

IMPEDIMENTS TO CLOSURE (T0605901155)

as reported by regulatory agency

| SAFETY-KLEEN CORPORATION (T0605901155) - (MAP) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--|-----------------------|---|-----------------------|-------------|-----------------------|--------------------|---------------------------------|-----------------------------|-----------|-----------|-------------|--------------------------|---|------------|------------|---|--------------------------|---|-----------|-----------|---|------------------|--------------------------------|------------|--|--------------------------|--------------------------|---|----------|----------|--|-------------|-------------------------------|----------|--|--|-------------|--------------------------------|-----------|--|--|
| 3876 FLORISTA ST LOS ALAMITOS, CA 90720 ORANGE COUNTY LUST CLEANUP SITE | | CLEANUP OVERSIGHT AGENCIES SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083001515T CASEWORKER: TOM E. IMEKE EKANEH ORANGE COUNTY LOP - CASE #: 90UT117 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Summary | Closure Review | Cleanup Status History | Regulatory Activities | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 9/8/2009 VIEW ALL POSSIBLE CLOSURE REVIEW VALUES</p> <p>IMPEDIMENTS TO CLOSURE</p> <p>SITE ASSESSMENT INCOMPLETE</p> <ul style="list-style-type: none"> Other - Site is under the jurisdiction of DTSC who oversees all performances. <p>GROUNDWATER IMPACTS</p> <ul style="list-style-type: none"> Other - Site is under the jurisdiction of DTSC. <p>BENEFITS OF ADDITIONAL WORK</p> <ul style="list-style-type: none"> Restore Beneficial Uses - All directives and work conducted on this site is controlled by DTSC. <p>SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT</p> <table border="1"> <thead> <tr> <th>SENSITIVE RECEPTOR</th> <th>TIME FRAME FOR IMPACT</th> <th>COMMENTS</th> </tr> </thead> <tbody> <tr> <td>Groundwater</td> <td>Already Impacted</td> <td>Groundwater is already impacted</td> </tr> </tbody> </table> | | | | SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | COMMENTS | Groundwater | Already Impacted | Groundwater is already impacted | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | COMMENTS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Groundwater | Already Impacted | Groundwater is already impacted | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>ACTIVITIES REPORT ACTIVITY TYPE FILTER: <input type="text" value="Show All Activities"/> <input type="button" value="Go"/></p> <table border="1"> <thead> <tr> <th>ACTION TYPE</th> <th>ACTION</th> <th>ACTION DATE</th> <th>RECEIVED / ISSUE DATE</th> <th>ACTION DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>OTHER REGULATORY ACTIONS</td> <td>File review</td> <td>3/10/2009</td> <td>3/10/2009</td> <td>File Review</td> </tr> <tr> <td>OTHER REGULATORY ACTIONS</td> <td>Technical Correspondence / Assistance / Other</td> <td>10/18/2006</td> <td>10/18/2006</td> <td>Final Approval of Discrete Groundwater Sampling Workplan DTSC on September 15, 2006 completed the review of the discrete groundwater sampling workplan and issued a final approval of the workplan.</td> </tr> <tr> <td>OTHER REGULATORY ACTIONS</td> <td>Technical Correspondence / Assistance / Other</td> <td>4/26/2006</td> <td>4/26/2006</td> <td>DTSC Approves Generalized Conceptual Site Model for California Safety Kleen Sites Safety Kleen has several sites where human health risk assessment will be performed. These activities would be monitored by the DTSC.</td> </tr> <tr> <td>RESPONSE - OTHER</td> <td>Not Applicable</td> <td>11/30/2003</td> <td></td> <td>interim measures wokplan</td> </tr> <tr> <td>OTHER REGULATORY ACTIONS</td> <td>Technical Correspondence / Assistance / Other</td> <td>1/1/1994</td> <td>1/1/1994</td> <td>Public Notice Hearing Public notice plan andproposed negative declaration of Safety Kleen site was held by DTSC on April 29, 1994.</td> </tr> <tr> <td>LEAK ACTION</td> <td>Leak Reported</td> <td>5/8/1990</td> <td></td> <td></td> </tr> <tr> <td>LEAK ACTION</td> <td>Leak Discovery</td> <td>1/25/1990</td> <td></td> <td></td> </tr> </tbody> </table> | | | | ACTION TYPE | ACTION | ACTION DATE | RECEIVED / ISSUE DATE | ACTION DESCRIPTION | OTHER REGULATORY ACTIONS | File review | 3/10/2009 | 3/10/2009 | File Review | OTHER REGULATORY ACTIONS | Technical Correspondence / Assistance / Other | 10/18/2006 | 10/18/2006 | Final Approval of Discrete Groundwater Sampling Workplan DTSC on September 15, 2006 completed the review of the discrete groundwater sampling workplan and issued a final approval of the workplan. | OTHER REGULATORY ACTIONS | Technical Correspondence / Assistance / Other | 4/26/2006 | 4/26/2006 | DTSC Approves Generalized Conceptual Site Model for California Safety Kleen Sites Safety Kleen has several sites where human health risk assessment will be performed. These activities would be monitored by the DTSC. | RESPONSE - OTHER | Not Applicable | 11/30/2003 | | interim measures wokplan | OTHER REGULATORY ACTIONS | Technical Correspondence / Assistance / Other | 1/1/1994 | 1/1/1994 | Public Notice Hearing Public notice plan andproposed negative declaration of Safety Kleen site was held by DTSC on April 29, 1994. | LEAK ACTION | Leak Reported | 5/8/1990 | | | LEAK ACTION | Leak Discovery | 1/25/1990 | | |
| ACTION TYPE | ACTION | ACTION DATE | RECEIVED / ISSUE DATE | ACTION DESCRIPTION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OTHER REGULATORY ACTIONS | File review | 3/10/2009 | 3/10/2009 | File Review | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OTHER REGULATORY ACTIONS | Technical Correspondence / Assistance / Other | 10/18/2006 | 10/18/2006 | Final Approval of Discrete Groundwater Sampling Workplan DTSC on September 15, 2006 completed the review of the discrete groundwater sampling workplan and issued a final approval of the workplan. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OTHER REGULATORY ACTIONS | Technical Correspondence / Assistance / Other | 4/26/2006 | 4/26/2006 | DTSC Approves Generalized Conceptual Site Model for California Safety Kleen Sites Safety Kleen has several sites where human health risk assessment will be performed. These activities would be monitored by the DTSC. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RESPONSE - OTHER | Not Applicable | 11/30/2003 | | interim measures wokplan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OTHER REGULATORY ACTIONS | Technical Correspondence / Assistance / Other | 1/1/1994 | 1/1/1994 | Public Notice Hearing Public notice plan andproposed negative declaration of Safety Kleen site was held by DTSC on April 29, 1994. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LEAK ACTION | Leak Reported | 5/8/1990 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LEAK ACTION | Leak Discovery | 1/25/1990 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Review Conclusions T0605901155

- Review indicates:
 - No report/document/letter available in GeoTracker
 - Closure Review indicates *“Site is under the jurisdiction of DTSC who oversees all performances.”*
- Discussion:
 - Transfer case to DTSC
 - Other Safety-Kleen cases reviewed: T0605901829 and T0607100369
- Insufficient information to determine case closure status

MUSICK BRANCH JAIL (T0605901583)

13502 MUSICK RD., IRVINE, CA 92718



Case Age: 18 years
Primary COC: Gasoline
RP Identified: Orange County General Services Agency
Potential Media Affected: Aquifer used for drinking water supply
Current Use: Jail/Work Farm

| ACTIVITIES REPORT | | ACTIVITY TYPE FILTER: Show All Activities | Go |
|--------------------------|---|---|----|
| ACTION TYPE | ACTION | ACTION DATE | |
| ENFORCEMENT/ORDERS | Staff Letter | 1/14/2010 | |
| RESPONSE - REPORTS | Monitoring Report - Quarterly | 12/30/2009 | |
| OTHER REGULATORY ACTIONS | Technical Correspondence / Assistance / Other | 8/27/2009 | |
| RESPONSE - REPORTS | Site Assessment Report: Groundwater Monitoring, Cross Sections, Laboratory Results, Well Coordinates, Electronic Data, etc. | * 12/31/2009 | |
| ENFORCEMENT/ORDERS | Staff Letter | 4/30/2009 | |

Possible Reasons Why This Case Is So Old

- Site appears to be inactive from 1992 to 1999 and 2001 to 2009. Government Entity Site.
- Case was transferred between agencies.
- Extremely high levels of BTEX were still detected 7 to 8 years after UST removal.
- BTEX and TPH-g still exceed cleanup levels.

CLEANUP OVERSIGHT AGENCIES
 SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083002144T
 CASEWORKER: ROSE SCOTT - SUPERVISOR: Ken Williams
 ORANGE COUNTY LOP - CASE #: 92UT103

NOTE: Data queried from GeoTracker and reviewed in June 2010



Activities Conducted to Date Based on GeoTracker Info T0605901583

Assessment last 5 years

- 2009: A single groundwater monitoring event was conducted.

Remediation last 5 years

- NONE DOCUMENTED

Assessment older than 5 years

- 1992-2000: Several assessments, monitoring well installations and a SVE pilot study were conducted.
- 2001: Groundwater monitoring.

Remediation older than 5 years

- 1992: UST removed.

IMPEDIMENTS TO CLOSURE T0605901583

as reported by regulatory agency

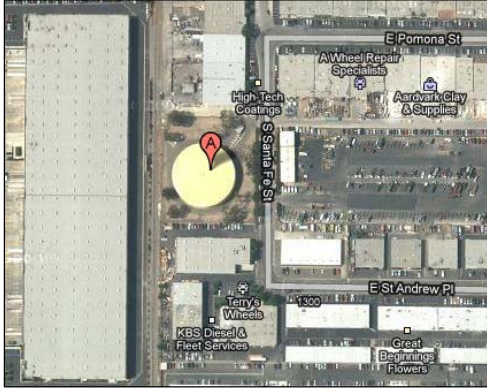
| Summary | Closure Review | Cleanup Status History | Regulatory Activities | Environmental Data (ESI) | Site Maps / Documents | Community Involvement |
|--|------------------------------|------------------------|-------------------------------|--------------------------|-----------------------|-----------------------|
| CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 11/10/2009 | | | | | | |
| IMPEDIMENTS TO CLOSURE | | | | | | |
| GROUNDWATER IMPACTS | | | | | | |
| <ul style="list-style-type: none"> Groundwater Impacted Above Background - Wells recently sampled indicate additional work is required. | | | | | | |
| BENEFITS OF ADDITIONAL WORK | | | | | | |
| <ul style="list-style-type: none"> Remove / Reduce Source Mass - Recent sampling indicates a mobile source in soil and therefore soil remediation is recommended. | | | | | | |
| SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT | | | | | | |
| SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | | COMMENTS | | | |
| Groundwater | Already Impacted | | Impacts must be re-evaluated. | | | |

Review Conclusions T0605901583

- Review indicates:
 - RP is a government agency
 - This site appears to experience two extended periods of inactivity, but is again being actively managed
 - Case was transferred from Orange County LOP to SARWQCB between 1992 and 1999
 - TPH-g and BTEX levels are still elevated above actionable levels
 - Mobile source in soil
 - Consultant recommended SVE to remove source mass, and additional monitoring well
- Discussion:
 - Remediation
 - Source removal
- Site is not a potential closure candidate

NEWPORT HYDRAULICS (T0605901599)

1716 S SANTA FE ST., SANTA ANA, CA 92705



Case Age: 18 years
Primary COC: Waste
 Oil/Motor/Hydraulic/Lubricating
RP Identified: Southside Investment –
Unclaimed in GeoTracker
Potential Media Affected: Aquifer used for drinking water supply
Current Use: Light Industrial

CLEANUP OVERSIGHT AGENCIES
 SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083002160T
 CASEWORKER: ROSE SCOTT - SUPERVISOR: Ken Williams
 SANTA ANA, CITY OF
 CASEWORKER: CHRISTOPHER CIRAULO - SUPERVISOR: NONE SPECIFIED

Possible Reasons Why This Case Is So Old

- No documents/history uploaded to GeoTracker
- Multiple agencies involved → on Jan 2009 SARWQCB reviewed the case and called SAFD in June 2009 to discuss the case
- Recalcitrant RP
- Limited oversight

NOTE: Data queried from GeoTracker and reviewed in June 2010

| ACTIVITIES REPORT | | ACTIVITY TYPE FILTER: Show All Activities | Go |
|--------------------------|---|---|----|
| ACTION TYPE | ACTION | ACTION DATE | |
| OTHER REGULATORY ACTIONS | Technical Correspondence / Assistance / Other | 3/3/2010 | |
| OTHER REGULATORY ACTIONS | Technical Correspondence / Assistance / Other | 6/11/2009 | |
| OTHER REGULATORY ACTIONS | File review | 1/13/2009 | |
| LEAK ACTION | Leak Reported | 9/21/1992 | |
| LEAK ACTION | Leak Discovery | 5/13/1992 | |
| LEAK ACTION | Leak Stopped | 5/13/1992 | |



Activities Conducted to Date Based on Geotracker Info T0605901599

Assessment last 5 years

- NONE DOCUMENTED

Remediation last 5 years

- NONE DOCUMENTED

Assessment older than 5 years

- NONE DOCUMENTED

Remediation older than 5 years

- NONE DOCUMENTED

IMPEDIMENTS TO CLOSURE (T0606590199)

as reported by regulatory agency

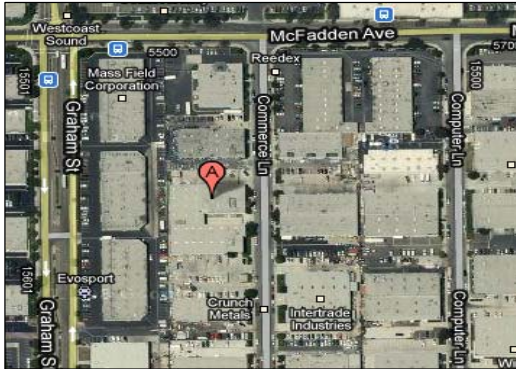
| Summary | Closure Review | Cleanup Status History | Regulatory Activities | Environmental Data (ESI) | Site Maps / Documents | Remediation | | | | | | |
|---|-----------------------|------------------------|-----------------------|--------------------------|-----------------------|-------------|--------------------|-----------------------|----------|-------------|--------------|------------------------|
| CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 11/10/2009 | | | | | | | | | | | | |
| IMPEDIMENTS TO CLOSURE | | | | | | | | | | | | |
| SITE ASSESSMENT INCOMPLETE | | | | | | | | | | | | |
| • Extent of Contamination Has Not Been Determined - <i>Incomplete assessment.</i> | | | | | | | | | | | | |
| PROCEDURAL IMPEDIMENTS | | | | | | | | | | | | |
| • Non-Responsive and / or Recalcitrant Responsible Party - <i>No response to 1997 enforcement orders.</i> | | | | | | | | | | | | |
| • Site Data And Reports Not Uploaded to Geotracker - <i>This site is not claimed in geotracker.</i> | | | | | | | | | | | | |
| BENEFITS OF ADDITIONAL WORK | | | | | | | | | | | | |
| • Complete CSM and Our Understanding of Hydrogeologic Regime and Fate and Transport of Contaminants - <i>Incomplete assessment</i> | | | | | | | | | | | | |
| SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>SENSITIVE RECEPTOR</th> <th>TIME FRAME FOR IMPACT</th> <th>COMMENTS</th> </tr> </thead> <tbody> <tr> <td>Groundwater</td> <td>Undetermined</td> <td>Incomplete assessment.</td> </tr> </tbody> </table> | | | | | | | SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | COMMENTS | Groundwater | Undetermined | Incomplete assessment. |
| SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | COMMENTS | | | | | | | | | | |
| Groundwater | Undetermined | Incomplete assessment. | | | | | | | | | | |

Review Conclusions T0606590199

- Review indicates:
 - No site history is available in the documents uploaded to GeoTracker
 - Unclear if this site should be classified as LUFT → CoC both involving Hydraulics
 - RP is non-responsive → a 1997 enforcement action
 - Site was recently reviewed but appears that no additional action has been taken
- Discussion:
 - GeoTracker compliance
 - Cleanup closure approach and timeline
- Unable to determine the case status

VENUS LABORATORIES (T0605901513)

15571 Commerce Lane, Huntington Beach, CA 92649



Case Age: 17 years
Primary COC: Chlorinated Hydrocarbons
RP Identified: Venus Laboratories, Inc.
Potential Media Affected: Aquifer used for drinking water supply
Current Land Use: Warehouse

CLEANUP OVERSIGHT AGENCIES
 SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083002028T
 CASEWORKER: TOM E. MBEKE-EKANEM - SUPERVISOR: Ken Williams
 ORANGE COUNTY LOP - CASE #: 93UT008

Possible Reasons Why This Case Is So Old

- Case is complicated by presence of 11 former USTs and an Acid Containment Pit.
- Most chemicals of concern are HVOCs, VOCs and other non-petroleum chemicals, however, it appears that gasoline was also released.
- Contaminant levels in groundwater remain extremely elevated
- Source of contamination.
- RP financial hardship.

GROUNDWATER MONITORING FREQUENCY

OF WELLS MONITORED - SEMI-ANNUALLY : 10



NOTE: Data queried from GeoTracker and reviewed in June 2010

Activities Conducted to Date Based on GeoTracker Info (T0605901513)

Assessment last 5 years

- Ongoing: Groundwater monitoring
- 2009: Additional soil borings, and soil vapor samples

Remediation last 5 years

- 2007: In-situ chemical remediation pilot test conducted.

Assessment older than 5 years

- 1990s: Soil borings advanced in several rounds.
- 1993: Three groundwater monitoring wells installed.
- Since 2001: Regular groundwater monitoring.
- 2003: Additional monitoring wells installed.

Remediation older than 5 years

- 2001: USTs removed.
- 2004: Excavate and dispose.

IMPEDIMENTS TO CLOSURE T0605901513

as reported by regulatory agency

| CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 8/25/2009 | | VIEW ALL POSSIBLE CLOSURE REVIEW VALUES |
|---|------------------------------|---|
| IMPEDIMENTS TO CLOSURE | | |
| SITE ASSESSMENT INCOMPLETE | | |
| <ul style="list-style-type: none"> Extent of Contamination Has Not Been Determined - Consultant proposed the installation of eight direct-push soil boring to further define the impacted soil limits at the site. | | |
| WELL IMPACTS | | |
| <ul style="list-style-type: none"> Municipal Wells Potentially Impacted - RP/Consultant must provide nearby sensitive receptor data. Domestic Wells Potentially Impacted - RP/Consultant must provide nearby sensitive receptor data. | | |
| UNACCEPTABLE RISK | | |
| <ul style="list-style-type: none"> Unacceptable Risk from Soil Contaminants Entering Surface Runoff - Consultant completed a pilot program in 2007 that involved the application of sodium percarbonate and high pH activated sodium persulfate into groundwater using monitoring well MW-2. | | |
| PROCEDURAL IMPEDIMENTS | | |
| <ul style="list-style-type: none"> RP Says They Do Not Have Adequate Funds to Initiate or Continue Work at the Site - Consultant proposed to conduct three step-out soil borings and also carry out excavation in the source area at the expense of the RP who would be responsible for the cost of advancing the three borings and the excavation during the third quarter of 2009. | | |
| BENEFITS OF ADDITIONAL WORK | | |
| <ul style="list-style-type: none"> Verify Remedial Action Effectiveness - Vertical extent of the VOC-affected groundwater is currently being assessed. | | |
| SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT | | |
| SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | COMMENTS |
| Groundwater | Already Impacted | Groundwater is impacted. |
| ACTIVITY TYPE FILTER: Show All Activities <input type="button" value="Go"/> | | * INDICATES A REVISED DUE DATE |
| ACTION | ACTION DATE | RECEIVED / ISSUE DATE |
| Technical | 5/17/2010 | 5/17/2010 |
| Correspondence / Assistance / Other | | |
| Request for Extension - Atlas Consultant is currently in the process of obtaining bids to complete the source removal work as described in the above referenced workplan. ATLAS, in the April 22, 2010 e-mail, requested for a 60-day extension due to the inability to conduct and document the activities as requested. We, therefore, granted the 60-day extension as requested. With the approval, we requested the submittal of the results of the activities to our office by June 22, 2010. We also requested that our office be informed of the progress made at this site every two weeks. | | |
| Technical | 4/21/2010 | 4/21/2010 |
| Correspondence / Assistance / Other | | |
| Semi Annual Groundwater Monitoring Report - First Quarter 2010. During the sampling event, groundwater samples were collected from all associated groundwater wells, with exception of the wells which were inaccessible. | | |
| Technical | 11/9/2009 | 11/9/2009 |
| Correspondence / Assistance / Other | | |
| Additional Site Investigation Report | | |
| Technical | 11/9/2009 | 11/9/2009 |
| Correspondence / Assistance / Other | | |
| Corrective Action Plan. Based on all the data gathered during the soil boring assessment activities, as well as all previous data gathered from the site, consultant believes that the impacted soil/source zone would be significantly reduced by limited over-excavation activities in the identified areas. | | |

Review Conclusions T0605901513

- Review indicates:
 - RP has financial hardship in conducting the cleanup.
 - Site is impacted mostly with non-petroleum contamination.
 - On-going investigation to delineate the extent of contamination in soil and groundwater.
 - Eleven USTs were present at the site prior to removal in 2001 (mostly contained various chemicals including acetone, MEK, and chlorinated solvents).
- Discussion:
 - Cleanup approach, progress and timeline
 - EAR Fund
 - Leaking UST case or SLIC?
- Site is not a potential closure candidate

B AND D AUTOMOTIVE (T0606500361)

102 S S D ST, PERRIS , CA 92570



Case Age: 16 Years
 RP Identified by Regulator: Baljit Sambi –
Unclaimed in GeoTracker
 Primary COC: Gasoline
 Potential Media Affected: Soil
 Current Land Use: Vacant Land

CLEANUP OVERSIGHT AGENCIES
 SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083302404T
 CASEWORKER: [CARL BERNHARDT](#) - SUPERVISOR: Ken Williams
 RIVERSIDE COUNTY LOP - CASE #: 94130
 CASEWORKER: [SHARON BOLTINGHOUSE](#) - SUPERVISOR: JOHN WATKINS

| ACTIVITIES REPORT | | ACTIVITY TYPE FILTER: Show All Activities | | Go | * INDICATES A REVISED DUE DA |
|--------------------------|--|---|-----------------------|--|------------------------------|
| ACTION TYPE | ACTION | ACTION DATE | RECEIVED / ISSUE DATE | ACTION DESCRIPTION | |
| OTHER REGULATORY ACTIONS | Site Visit / Inspection / Sampling | 6/23/2009 | 6/23/2009 | Inspection of Site Site or adjacent vacant property has for Sale sign. Real Estate agent: Pa Schwab, CC Property Exchange, Phone 951-443-1655. | |
| OTHER REGULATORY ACTIONS | Site Visit / Inspection / Sampling | 7/8/2005 | 7/8/2005 | Site not redeveloped but appears some construction activities are occurring | |
| RESPONSE - OTHER | Other Type of Submission by RP | 3/25/2004 | 3/25/2004 | Draft Negative Declaration from City of Perris | |
| OTHER REGULATORY ACTIONS | Meeting | 3/9/2004 | 3/9/2004 | Proposing to redevelop site as restaurant, need to define the extent of soil contamination | |
| LEAK ACTION | Leak Reported | 2/17/1994 | | | |
| LEAK ACTION | Leak Stopped | 1/20/1994 | | | |
| LEAK ACTION | Leak Discovery | 1/20/1994 | | | |

Possible Reasons Why This Case Is So Old

- No site history/documents uploaded to GeoTracker
- Nature and location of the release are unknown
- Current RP is unknown
- Extent of contamination in soil and GW undetermined



NOTE: Data queried from GeoTracker and reviewed in June 2010

Activities Conducted to Date Based on GeoTracker Info

T0606500361

Assessment last 5 years

- NONE DOCUMENTED

Remediation last 5 years

- NONE DOCUMENTED

Assessment older than 5 years

- NONE DOCUMENTED

Remediation older than 5 years

- NONE DOCUMENTED

IMPEDIMENTS TO CLOSURE (T0606500361)

as reported by regulatory agency

| | | |
|--|---------------------------------|-----------------|
| <ul style="list-style-type: none"> • Summary • Closure Review • Cleanup Status History • Regulatory Activities • Environmental Data (ESI) ← • Site Maps / Documents • Community Involvement | | |
| Regulatory Profile PRINTABLE | | |
| CLEANUP STATUS | | |
| OPEN - SITE ASSESSMENT AS OF 5/2/1996 | | |
| POTENTIAL CONTAMINANTS OF CONCERN | POTENTIAL MEDIA AFFECTED | |
| GASOLINE | SOIL | |
| FILE LOCATION | | |
| Site History | | |
| No site history available | | |
| CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 9/9/2009 VIEW ALL POSSIBLE CLOSURE | | |
| IMPEDIMENTS TO CLOSURE | | |
| SITE ASSESSMENT INCOMPLETE | | |
| <ul style="list-style-type: none"> • Incomplete Conceptual Site Model (CSM) - <i>The extent of soil contamination is not defined</i> • Extent of Contamination Has Not Been Determined - <i>The extent of soil contamination is not defined and the threat to the underlying groundwater has not been assessed</i> | | |
| PROCEDURAL IMPEDIMENTS | | |
| <ul style="list-style-type: none"> • Non-Responsive and / or Recalcitrant Responsible Party - <i>Need to find current property owner. Maybe nominate site to EAR or Orphan site</i> | | |
| BENEFITS OF ADDITIONAL WORK | | |
| <ul style="list-style-type: none"> • Fill-in RI Data Gaps - <i>Extent of soil contamination not assessed</i> • Complete CSM and Our Understanding of Hydrogeologic Regime and Fate and Transport of Contaminants - <i>Not assessed</i> | | |
| SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT | | |
| SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | COMMENTS |
| Groundwater | Undetermined | Not assessed |

Review Conclusions T0606500361

- Review indicates:
 - Current RP is unknown, however, the north half of the same block has been purchased by the city and is planned as a housing development.
 - As the entire block has been demolished, it is possible the city owns this parcel as well.
 - In 2004, site was proposed to redevelop as a restaurant.
- Discussion:
 - RP compliance → EAR?
 - Cleanup closure timeline
- Unable to determine case closure status

SAFETY-KLEEN (T0605901829) 2120 S YALE ST, SANTA ANA, CA 92704



NOTE: Other Safety-Kleen cases under DTSC are T0605901155 and T0607100369

Case Age: 16 years
Primary COC: **Stoddard Solvent/Mineral Spirits/Distillates**
RP Identified: Safety-Kleen – **Unclaimed in GeoTracker**
Potential Media Affected: Soil
Current Land Use: Commercial/Industrial

CLEANUP OVERSIGHT AGENCIES
SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083002625T
CASEWORKER: [TOM E. MBEKE-EKANEM](#) - SUPERVISOR: Ken Williams
SANTA ANA, CITY OF
CASEWORKER: [CHRISTOPHER CIRAULO](#) - SUPERVISOR: NONE SPECIFIED

Possible Reasons Why This Case Is So Old

- No report/document/letter upload to GeoTracker.
- **Case in under DTSC jurisdiction.**

NOTE: Data queried from GeoTracker and reviewed in June 2010



Activities Conducted to Date Based on GeoTracker (T0605901829)

Assessment last 5 years

- NONE DOCUMENTED

Remediation last 5 years

- NONE DOCUMENTED

Assessment older than 5 years

- NONE DOCUMENTED

Remediation older than 5 years

- NONE DOCUMENTED

IMPEDIMENTS TO CLOSURE (T0605901829)

as reported by regulatory agency

SAFETY-KLEEN (T0605901829) - (MAP)

2120 S YALE ST
SANTA ANA, CA 92704
ORANGE COUNTY
LUST CLEANUP SITE
[ASSOCIATED ENVIRONMENTAL PROJECTS](#) ←

CLEANUP OVERSIGHT AGENCIES
SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 0830026257
CASEWORKER: [TOM E. MBEKE-EKANEM](#)
SANTA ANA, CITY OF
CASEWORKER: [CHRISTOPHER CIRAULO](#)

Summary | Closure Review | Cleanup Status History | Regulatory Activities | Environmental Data (ESI) | Site Maps / Documents | [Print](#) ←

CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 9/8/2009 [VIEW ALL POSSIBLE CLOSURE REVIEW VALUES](#)

IMPEDIMENTS TO CLOSURE

SITE ASSESSMENT INCOMPLETE

- Other - Site is under the jurisdiction of DTSC.

BENEFITS OF ADDITIONAL WORK

- Restore Beneficial Uses - All directives on this site is controlled by DTSC.

SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT

| SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | COMMENTS |
|--------------------|-----------------------|--------------------------|
| Groundwater | Already impacted | Groundwater is affected. |

ACTIVITIES REPORT * INDICATES A REVISED DATE

ACTIVITY TYPE FILTER: Show All Activities

| ACTION TYPE | ACTION | ACTION DATE | RECEIVED / ISSUE DATE | ACTION DESCRIPTION |
|--------------------------|---|-------------|-----------------------|---|
| OTHER REGULATORY ACTIONS | File review | 3/10/2009 | 3/10/2009 | File Review |
| OTHER REGULATORY ACTIONS | Technical Correspondence / Assistance / Other | 8/1/2007 | 8/1/2007 | Group Monitoring Evaluation Report Regulatory activities on all Safety Kleen sites are being handled by the DTSC. Monitoring reports from Safety Kleen are submitted to the DTSC, not RWCB. ← |
| LEAK ACTION | Leak Reported | 7/1/1994 | | |
| LEAK ACTION | Leak Discovery | 5/16/1994 | | |

Review Conclusions T0605901829

- Review indicates:
 - No report/document/letter available in GeoTracker
 - Closure Review indicates *"Site is under the jurisdiction of DTSC."*
- Discussion:
 - Transfer case to DTSC
 - Other Safety-Kleen cases reviewed: T0605901155 and T0607100369
- Insufficient information to determine case closure status

SAFETY-KLEEN CORP (T0607100369) 7979 PALM AVE, HIGHLAND, CA 92346



NOTE: Other Safety-Kleen cases under DTSC are T0605901829 and T0605901155

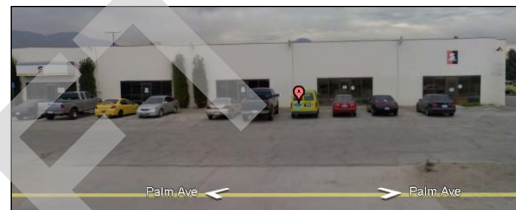
Case Age: 16 years
Primary COC: Stoddard Solvent/Mineral Spirits/Distillates
Potential Media Affected: Soil
RP Identified: Safety-Kleen Corp – **Unclaimed in GeoTracker**
Current Land Use: Safety-Kleen Systems

Possible Reasons Why This Case Is So Old

- No report/document/letter upload to GeoTracker.
- **Case in under DTSC jurisdiction.**

CLEANUP OVERSIGHT AGENCIES
 SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083602626T
 CASEWORKER: [TOM E. MBEKE-EKANEM](#) - SUPERVISOR: Ken Williams
 SAN BERNARDINO COUNTY LOP
 CASEWORKER: [CATHERINE RICHARDS](#) - SUPERVISOR: MARILYN KRAFT

NOTE: Data queried from GeoTracker and reviewed in June 2010



Activities Conducted to Date Based on GeoTracker (T0607100369)

Assessment last 5 years

- NONE DOCUMENTED

Remediation last 5 years

- NONE DOCUMENTED

Assessment older than 5 years

- NONE DOCUMENTED

Remediation older than 5 years

- NONE DOCUMENTED

IMPEDIMENTS TO CLOSURE (T0607100369)

as reported by regulatory agency

| SAFETY-KLEEN CORPORATION (T0607100369) - (MAP) | | | | |
|---|---|--|-----------------------|--|
| 7979 PALM AVE HIGHLAND, CA 92346 SAN BERNARDINO COUNTY LUST CLEANUP SITE | | CLEANUP OVERSIGHT AGENCIES SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083602626T CASEWORKER: TOM E. MBEKE-EKANEM SAN BERNARDINO COUNTY LOP CASEWORKER: CATHERINE RICHARDS | | |
| Summary | Closure Review | Cleanup Status History | Regulatory Activities | |
| Environmental Data (ESI) | Site Maps / Documents | | | |
| CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 9/8/2009 VIEW ALL POSSIBLE CLOSURE REVIEW VALUES | | | | |
| IMPEDIMENTS TO CLOSURE | | | | |
| SITE ASSESSMENT INCOMPLETE | | | | |
| <ul style="list-style-type: none"> Other - Site is under the jurisdiction of DTSC. | | | | |
| PLUME INSTABILITY | | | | |
| <ul style="list-style-type: none"> Other - Site is under the jurisdiction of DTSC. | | | | |
| BENEFITS OF ADDITIONAL WORK | | | | |
| <ul style="list-style-type: none"> Restore Beneficial Uses - All directives and work conducted on this site is controlled by DTSC. | | | | |
| SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT | | | | |
| SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | COMMENTS | | |
| Groundwater | Already impacted | Groundwater is already impacted | | |
| ACTIVITIES REPORT * INDICATES A REVISED DUE DATE | | | | |
| ACTIVITY TYPE FILTER: Show All Activities <input type="button" value="Go"/> | | | | |
| ACTION TYPE | ACTION | ACTION DATE | RECEIVED / ISSUE DATE | ACTION DESCRIPTION |
| OTHER REGULATORY ACTIONS | Technical Correspondence / Assistance / Other | 10/28/2008 | 10/28/2008 | Request for Final Revised RCRA Corrective Measures Study Workplan DTSC on October 28, 2008 reviewed, commented and issued recommendations which concurred with Safety Kleen response. DTSC advised Safety Kleen to submit for approval a final revised CMS Workplan. The revised workplan was to be submitted within 30 days from the receipt of the letter. |
| OTHER REGULATORY ACTIONS | Technical Correspondence / Assistance / Other | 7/7/2008 | 7/7/2008 | Draft Revised RCRA Corrective Measures Study Workplan DTSC on June 3, 2008 met with Safety Kleen and issued a revised comment which superceded the previous comments dated October 18, 2002. DTSC advised Safety Kleen to revise the previous workplan accordingly to reflect the latest comments. The revised workplan was to be submitted within 30 days of the comment. |
| OTHER REGULATORY ACTIONS | Technical Correspondence / Assistance / Other | 2/19/2008 | 2/19/2008 | Draft Revised RCRA Corrective Measures Study Workplan DTSC on October 18, 2002 reviewed and commented on document prepared by SECOR International for Safety Kleen. DTSC requested response from Safety Kleen within 30 days of the comment. |
| LEAK ACTION | Leak Reported | 1/10/1994 | | |

Review Conclusions T0607100369

- Review indicates:
 - No report/document/letter available in GeoTracker
 - Closure Review indicates "Site is under the jurisdiction of DTSC."
- Discussion:
 - Transfer case to DTSC
 - Other Safety-Kleen cases reviewed: T0605901155 and T0605901829
- Insufficient information to determine case closure status

JACK IN THE BOX (T0605900788)

805 ORANGETHORPE AVE W, PLACENTIA, CA 92670



Case Age: 22 years
Primary COC: Gasoline
RP Identified: Jack in the Box – **Unclaimed in GeoTracker**
Potential Media Affected: Other GW (uses other than drinking water)
Current Use: Restaurant

CLEANUP OVERSIGHT AGENCIES
 SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 083000994T
 CASEWORKER: ROSE SCOTT - SUPERVISOR: Ken Williams
 ORANGE COUNTY LOP - CASE #: 88UT131
 CASEWORKER: TAMARA ESCOBEDO - SUPERVISOR: ANTHONY MARTINEZ



Possible Reasons Why This Case Is So Old

- No report/document uploaded to GeoTracker
- Case transferred to Regional Board (2004) from OC LOP → no documented enforcement since
- Recalcitrant RP, and no RP identified after previous RP deceased

NOTE: Data queried from GeoTracker and reviewed in June 2010

| ACTIVITIES REPORT | | ACTIVITY TYPE FILTER: Show All Activities | Go |
|--------------------------|---|---|----|
| ACTION TYPE | ACTION | ACTION DATE | |
| OTHER REGULATORY ACTIONS | Technical Correspondence / Assistance / Other | 3/2/2010 | |
| OTHER REGULATORY ACTIONS | Technical Correspondence / Assistance / Other | 5/19/2009 | |
| OTHER REGULATORY ACTIONS | File review | 11/10/2008 | |
| ENFORCEMENT/ORDERS | * Historical Enforcement | 3/22/2004 | |
| ENFORCEMENT/ORDERS | Staff Letter | 1/1/1990 | |
| LEAK ACTION | Leak Reported | 7/20/1988 | |
| LEAK ACTION | Leak Discovery | 6/10/1988 | |
| CLEANUP ACTION | | 1/1/1965 | |

Activities Conducted to Date Based on GeoTracker Info

T0605900788

Assessment last 5 years

- NONE DOCUMENTED

Remediation last 5 years

- NONE DOCUMENTED

Assessment older than 5 years

- NONE DOCUMENTED

Remediation older than 5 years

- NONE DOCUMENTED

IMPEDIMENTS TO CLOSURE T0605900788

as reported by regulatory agency

| | | | | | | |
|---------|----------------|------------------------|-----------------------|--------------------------|-----------------------|------------|
| Summary | Closure Review | Cleanup Status History | Regulatory Activities | Environmental Data (ESI) | Site Maps / Documents | Assessment |
|---------|----------------|------------------------|-----------------------|--------------------------|-----------------------|------------|

CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 11/10/2009

IMPEDIMENTS TO CLOSURE

PROCEDURAL IMPEDIMENTS

- Non-Responsive and / or Recalcitrant Responsible Party - *RP passed away; successor has not been identified.*
- Site Data And Reports Not Uploaded to Geotracker - *Site is unclaimed.*
- Monitoring Wells Not Yet Abandoned - *All wells present and additional current sampling required prior to closure evaluation.*

BENEFITS OF ADDITIONAL WORK

- Other - *Case transferred to Regional Board due to recalcitrant RP; however, the successor to the deceased RP has not been identified.*

SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT

| SENSITIVE RECEPTOR | TIME FRAME FOR IMPACT | COMMENTS |
|--------------------|-----------------------|--|
| Groundwater | Already Impacted | Groundwater contamination present and current samples are required prior to closure. |

Review Conclusions T0605900788

- Review indicates:
 - No information (documents, data, letters, notes) uploaded to GeoTracker
 - Unknown site conditions and history
 - RP unidentified (after previous RP deceased)
- Discussion:
 - Identify a current RP to claim this site
 - GeoTracker compliance
- Site status unknown