



Atlantic Richfield Company
(a BP affiliated company)

P.O. Box 1257
San Ramon, CA 94583
Phone: (925) 275-3801
Fax: (925) 275-3815

January 6, 2009

Re: Formal Well Abandonment Report
Former Atlantic Richfield Company Station #5387
20200 Hesperian Boulevard
Hayward, California
ACWD Case No. RO0000174

RECEIVED

2:24 pm, Jan 08, 2009

Alameda County
Environmental Health



“I declare, that to the best of my knowledge at the present time, that the information and/or recommendations contained in the attached document are true and correct.”

Submitted by:

Paul Supple
Environmental Business Manager

January 6, 2009

Project No. 06-02-628

Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502
(Mailed a copy and submitted via ACEH ftp site)

Attn.: Mr. Paresh Khatri

Re: Formal Well Abandonment Report, Former Atlantic Richfield Company (a BP affiliated company)
Station #5387, 20200 Hesperian Boulevard, Hayward, California. ACEH Case No. RO0000174.

Dear Mr. Khatri:

Broadbent & Associates, Inc., on behalf of Atlantic Richfield Company (Atlantic Richfield), is pleased to submit this *Formal Well Abandonment Report* for former Atlantic Richfield Company Station #5387 (herein referred to as Station #5387) located at 20200 Hesperian Boulevard, Hayward, California. The Alameda County Environmental Health (ACEH) August 22, 2008 Monitoring Well Destruction for Case Closure Letter concurred that no further action related to the case be required at this time. The letter further stated that a remedial action completion certificate would be issued once documentation has been provided that monitor wells installed at the site have been properly abandoned.

Stratus Environmental, Inc. (Stratus) completed well abandonment activities during the time period November 17 through November 18, 2008 for wells associated with ACEH Case No. RO0000174. The attached Drawing 1 depicts the site and location of wells that were abandoned. The Stratus *Groundwater Well Destruction Data Package*, documenting formal well abandonment of 22 wells (A-4, A-5, A-6, A-7, A-8, A-9, A-10, AR-1, AR-2, AS-1, AS-2, AS-3, AS-4, AS-6, AS-7, AS-9, AV-1, AV-2, AV-4, MW-1, MW-2 and MW-3), is provided in Attachment A. Waste disposal certificates for well abandonment work activities are provided in Attachment B.

Atlantic Richfield eagerly awaits receipt of a remedial action completion certificate for Station #5387. Should you have questions or need additional assistance to help expedite certificate completion, please do not hesitate to contact us at (530) 566-1400.

Sincerely,

BROADBENT & ASSOCIATES, INC.



Matthew G. Herrick, P.G., C.HG.
Senior Hydrogeologist



Robert H. Miller, P.G., C.HG.
Principal Hydrogeologist



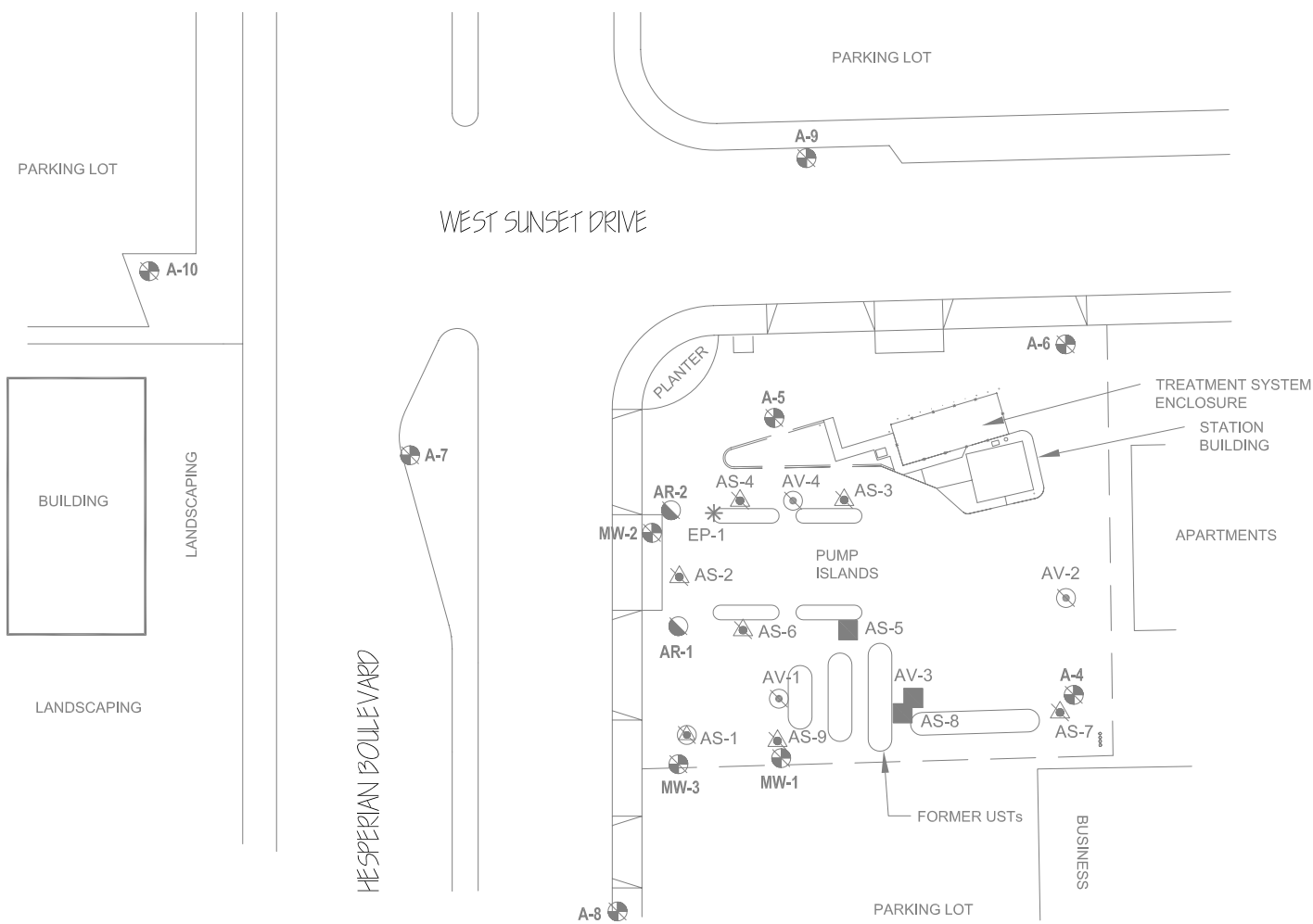
Enclosures

Drawing 1: Site Map with Abandoned Well Locations

Attachment A: Stratus Environmental, Inc. Groundwater Well Destruction Data Package (Includes Field Data Sheets, Well Destruction Permits, Encroachment Permit, DWR Well Destruction Reports, Well Details Table, Site Map, and Certified Analytical Report and Chain-of-Custody Documentation)

Attachment B: Waste Disposal Certificates

cc: Mr. Paul Supple, Atlantic Richfield Company, P.O. Box 1257, San Ramon, CA
94583 (Submitted via ENFOS)
Mr. Chris Panaitescu, Thrifty Oil Co., 13116 Imperial Hwy, Sante Fe Springs, CA
90760
Mr. Jack Oman, Atlantic Richfield Company (Submitted via ENFOS)
GeoTracker

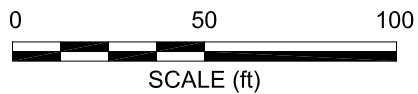


LEGEND

- PREVIOUSLY ABANDONED MONITORING WELL
- ⊗ ABANDONED MONITORING WELL
- ⊙ ABANDONED GROUND-WATER EXTRACTION WELL
- ⊘ ABANDONED AIR SPARGE WELL
- ⊚ ABANDONED DUAL AIR SPARGE/SOIL VAPOR EXTRACTION WELL
- * EXTRACTION POINT

Well — WELL DESIGNATION

NOTE: SITE MAP ADAPTED FROM IT CORPORATION FIGURES.
SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.



BROADBENT & ASSOCIATES, INC.
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL
1324 Mangrove Ave. Suite 212, Chico, California, 95926
Project No.: 06-02-628 Date: 1/5/09

Former Station #5387
20200 Hesperian Boulevard
Hayward, California

Site Map with Abandoned
Well Locations

Drawing

1

ATTACHMENT A

STRATUS ENVIRONEMNTAL INC. GROUNDWATER WELL DESTRUCTION DATA
PACKAGE (INCLUDES FIELD DATA SHEETS, WELL DESTRUCTION PERMITS,
ENCROACHMENT PERMIT, DWR WELL DESTRUCTION REPORTS, WELL DETAILS
TABLE, SITE MAP, AND CERTIFIED ANALYTICAL REPORT AND CHAIN-OF-CUSTODY
DOCUMENTATION)



3330 Cameron Park Drive, Ste 550
Cameron Park, California 95682
(530) 676-6004 ~ Fax: (530) 676-6005

December 17, 2008
Project No. E5387-01

Mr. Rob Miller
Broadbent & Associates, Inc.
2000 Kirman Avenue
Reno, NV 89502

Re: Groundwater Well Destruction Data Package, Former BP Service Station No. 5387, located at 20200 Hesperian Boulevard, Hayward, California (Field activities performed between September 3, 2008 and November 18, 2008)

General Information

Data Submittal Prepared / Reviewed by: Collin Fischer / Jay Johnson
Phone Number: (530) 676-6000

On-Site Supplier Representative: Scott Bittinger

Date: September 3, 2008

Arrival: 07:00

Departure: 08:05

Weather Conditions: Sunny

Unusual Field Conditions: None

Scope of Work Performed: Completed reconnaissance of project work areas, including activities needed to obtain offsite encroachment and drilling permits. Marked work areas for Underground Service Alert (USA) clearance.

Variations from Work Scope: None noted

On-Site Supplier Representative: Collin Fischer

Date: October 13, 2008

Arrival: 07:30

Departure: 09:30

Weather Conditions: Partly Cloudy

Unusual Field Conditions: None

Scope of Work Performed: Safety meeting, checked location of underground utilities near 3 well locations (A-7, A-8 and A-9) scheduled for over drilling with utility locating subcontractor.

Variations from Work Scope: None noted

On-Site Supplier Representative: Kiran Nagaraju

Date: October 28, 2008

Arrival: Not Noted

Departure: Not Noted

Weather Conditions: Not Noted

Unusual Field Conditions: Stratus received a complaint that several oversize vault lids covering wells at the site had been removed, resulting in vehicle and pedestrian hazard. The property tenant had apparently reported the situation to the police, and were informed that the lids were likely intentionally removed for sale as scrap metal.

Scope of Work Performed: The air space between the vault lid and the ground surface was filled with sand and temporarily patched to allow for safe vehicle and pedestrian access to the well areas.

Variations from Work Scope: None noted

On-Site Supplier Representative: Collin Fischer

Date: November 17, 2008

Arrival: 07:45

Departure: 17:00

Weather Conditions: Clear

Unusual Field Conditions: None

Scope of Work Performed: Safety meeting, cleared 2 wells to 5' bgs. with air knife (A-7 and A-8), drill out and grout 1 well (A-7), Tremmie grout 2 wells (A-9 and A-10).

Variations from Work Scope: Well A-9 was not air knifed past 6" due to the close proximity of the well to a fiber optic line. Alameda County Public Works Agency approved tremmie grouting of the well, instead of the previously requested over drilling.

On-Site Supplier Representative: Collin Fischer

Date: November 18, 2008

Arrival: 06:30

Departure: 18:00

Weather Conditions: Clear

Unusual Field Conditions: None

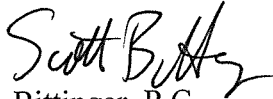
Scope of Work Performed: Safety meeting, Drill out and grout 1 well (A-8), tremmie grout 18 wells (MW-1, MW-2, MW-3, A-4, A-5, A-6, AR-1, AR-2, AS-1, AS-2, AS-3, AS-4, AS-6, AS-7, AS-9, AV-1, AV-2, AV-4).

Variations from Work Scope: Well EP-1 was not destroyed as originally planned because it could not be located.

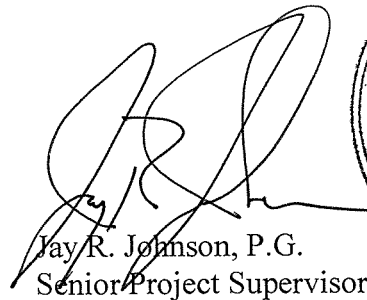
This submittal presents the tabulation of data collected in association with routine groundwater monitoring. The attachments include field data sheets, well destruction permits, an encroachment permit, DWR well destruction reports, well details table (Table 1), site map, and certified analytical results. The information is being provided to BP-ARCO's Scoping Supplier for use in preparing a report for regulatory submittal. This submittal is limited to presentation of collected data and does not include data interpretation or conclusions or recommendations. Any questions concerning this submittal should be addressed to the Preparer/Reviewer identified above.

Sincerely,

STRATUS ENVIRONMENTAL, INC.



Scott G. Bittinger, P.G.
Project Manager



Jay R. Johnson, P.G.
Senior Project Supervisor



Attachments:

- Field Data Sheets
- Well Destruction Permits
- Encroachment Permit
- DWR Well Destruction Reports
- Well Details Table (Table 1).
- Site Map
- Certified Analytical Results

CC: Mr. Paul Supple, BP/ARCO

Arw 5387

9-3-08

Onsite 7:00 to complete site reconnaissance & mark borings for USA Clearance. Almost entire property is surrounded by a chain-link fence. Approximately 70-100 appliances (refrigerators, washers, etc.) are stored in on the property, which is adjacent to the airport Appliance store. Mark USA box around entire property & offsite wells. Well A-10 has a damaged well vault, but the well casing & well cap appear intact. Well A-10 is in a flower box near a Carrows restaurant, but the well is on a property occupied by Target (verified with ~~owner~~ manager of Carrows). Talked to manager of Airport Appliances. The appliances situated outside of the store will be removed on September 10, 2008, so there would be a conflict w/ the work, though they will lose parking spaces at this time. Well A-8 is located in the sidewalk, about 18" from the curb line & 18" from the tree down for a guy-wire for an electrical line pole. Since well is under power lines, an L.A.R. will be needed for overdrilling.

Many of wells are covered w/ oversized vaults that can't be accessed → either covered by appliances or welded closed. Will need to subjectively evaluate at time of destruction for diameters & depth. Target: 19661 Hesperian, Carrows: 20413 Hesperian

offsite 8:05,

Scott Bally

ARCO 5307 - Collin Fischer

~~ARCO 5307 - Collin Fischer~~

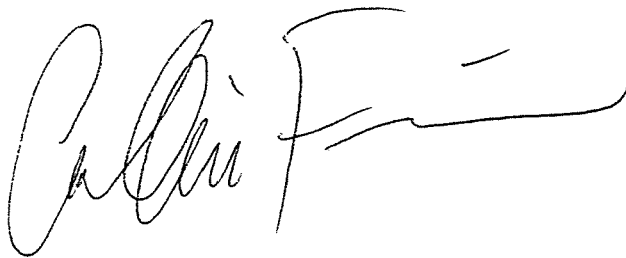
Partly Cloudy
4/13/08

0730 -> ONSITE, SAFETY MEETING.

0800 -> Clean 3 Boeing locations
Make for USA
Talk w/ station owner

0900 -> Pull seven caps to investigate

0930 -> OFFSITE



STRATUS ENV., INC.

Field Data Sheet

Site: ARCO 5387	Date: 11/17/08
Personnel on site: COLIN FISHER	
Weather Conditions: Clear, Sunny	

Notes:

0745 → ON SITE, MEET W/ TRAFFIC CONTROL SUBCONTRACTOR. SAFETY MEETING, SET UP TRAFFIC CONTROL FOR (A-7).

0830 → STEVE BEGINS SETTING UP TRAFFIC CONTROL FOR LOCATION (A-7).

0900 → W/ ON SITE, SAFETY MEETING, DO # SITE WORK.

0920 → MOVE AIR KNIFE TO (A-7) & SET UP.

0940 → BEGIN JACKHAMMER ON (A-7).

0955 → START AIR KNIFE ON (A-7).

1130 → DRILL CREW ON SITE, SAFETY MEETING, SITE WALK, UNCOVER SUPPLIES FROM SURFACE TO HOLE AIR KNIFE DONE, MOVE TO (A-9).

1145 → DRILL CREW MOVE TO (A-7) FOR DRELOUT OF (A-7), SET UP EXCLUSION ZONE.

1220 → START DRILLING 3" (A-7) W/ 8" AUGERS & STINGER BIT; SCOTT GIVES THE GO AHEAD, VAC CREW WORK.

1240 → VAC CREW START AIR KNIFE ON (A-9), START DRILLING @ (A-7).

1250 → @ 36' BGS, STOP DRILLING, MEET ABOUT @ (A-9) & FIBER OPTIC LINE WAS HANGING FROM NEXT TO THE WELL, CALL OFFICE TO DISCUSS CURRENT SCHEDULE. JACKHAMMER OUT BOX ONLY.

1300 → A-7 GROUTED TO SURFACE, DECON AUGERS, CLEAN AREA, FINISH MEDIAN SURFACE, TAKE DOWN EXCLUSION ZONE.

1305 → CALL FROM SCOTT, UNDRIVE GIVEN FOR (A-9), DISCUSS W/ SCOTT THE CLOSE UTILITIES, 2'-2.5' OF FIBER OPTIC TO (A-8), HE SAYS JUST DRILL CLEAN W/ AIR KNIFE TO 8' & CONTINUE WITH SCOPE IT OUT, TO DRILL.

1310 → AIR KNIFE CREW FINISHING UP @ (A-9), CLEANUP & GETTING TO MOVE TO (A-8).

1330 → DRILL PIG DONE @ (A-7), MOVE PIG & TAKE LUNCH, SET UP TRAFFIC CONTROL FOR (A-8), GO TALK TO APPLIANCE STORE ABOUT WORK.

1400 → MOVE AIR KNIFE TO (A-8) & BEGIN CLEANING TO 7'-8' BGS → VERY HAZARDOUS ON SITE, STEVE SAYS WE MAY TRIMME GRANT INSTEAD OF PRESSURE GRANT.

1415 → SET UP EXCLUSION ZONE & BEGIN AIR KNEING @ (A-8).

1430 → START GRANTING OF (A-10), SET UP EXCLUSION ZONE, UNBURR WELL ETC.

1515 → GROUT CREW MOVES TO A-9 & MOVES TO SURFACE, PATCH AROUND.

1530 → SWITCH TO H2O KNIFE @ (A-8), WELD OFF OLD TELEPHONE POLE HANGING IN WAY OF WELL, TO PREVENT AUGERS FROM CATCHING ON IT DURING DRELOUT. AFTER DISCUSSING W/ JERRY, ANCHOR WILL NOT BE IN WAY, SO WON'T BE WELDED OFF.

1610 → SURFACE PATCHING @ (A-9), CLEANUP @ OFFSITE, AIR KNIFE CREW STILL WORKING.

1630 HOLE (A-8) CLEANED TO 6' BGS, CLEANUP & SECURE AREA

1700 OFFSITE

Colin Fisher

STRANS ENO. INC

DRUM COUNT => 10 SOLID
4 H₂O

Field Data Sheet

Site: 5387

Date: 11/18/08

Personnel on site: COLIN FISCHER

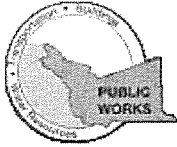
Weather Conditions: CLEAR, SUNNY

Notes:

- 0630 -> ON SITE, SECURE SITE, BLOCK ALL DRIVEWAYS FROM TRAFFIC
- 0710 -> DRINKS ONE SHOT, SAFETY MEETING, SITE WALK. DISCUSS SCOPE OF WORK.
- 0725 -> ALL CREW & MGMT CREW BEGIN WORK
- 0730 -> GRANT CREW ON AS-6
-> KE CREW ON AU-4, AS-4, EP-1 } LIMITED ACCESS FOR SUPPORT TRUCK OFFSITE.
SAFETY MEETING, WAIT FOR TRAFFIC CONTROL
- 0800 -> CALL TO SCOTT ABOUT LATERAL PIPES & SUE RECIENS BOX, UNMARKED, WILL FILL & CONCRETE PATCH TO SURFACE TO AVOID TRUCK FLARE.
- > TRAFFIC CONTROL OFFSITE, SET UP TRAFFIC FOR DEVIATION OF (A-B).
- 0830 -> FILL GRANT LEG W/ H₂O, SOME LIDS WILL NEED TO BE UNLOADED OFF, SET UP TORCH ETC.
- 0845 -> TRAFFIC CONTROL IS SET UP, MOVE LIMITED ACCESS HIGH TO (A-B).
SET UP EXCLUSION ZONE & BEGIN DRILLING @ 9000
- 0900 -> CONTINUE UNWELDING BOXES, CLEARING GRAVEL OUT OF BOXES & GRADING TO SURFACE.
- 1025 -> AMADOL OFFSITE TO GET MORE WELDING TIPS.
- 1040 -> JIMMY TRUCK IN OFFSITE, DRILL RIG TO DEPTH, FILL AUGERS, START MIXING GRANT VAC TRUCK UNLOADING SOIL & H₂O WASTE, LABEL DRUMS.
- 1130 -> (A-B) APPROX TO SURFACE, GRANT CREW STILL MEETING, FINISH BATCH & TAKE LUNCH.
- 1200 -> VAC RIG OFF TOE, CLAMP TRUCK CONTROL, LUNCH
- 1230 -> RESUME WORK, VAC CREW FINISH CLEANUP, GRANT CREW CONTINUE GRADING DRILL CREW CLEAN & SET CONCRETE.
- 1300 -> VAC CREW DONE, SECURE LOAD TOOL UP TRUCK OFFSITE @ 1330.
- 1330 -> DRILL CREW DONE SETTING BOXES, START HELPING GRANT CREW SET CONCRETE.
- 1420 -> GRANT RIG OFFSITE TO GO PICK UP ANOTHER PALLET OF CEMENT.
- 1530 -> GRANT RIG RETURNS W/ DAILY, CONTINUE GRADING WELLS.
- 1620 -> MOVE TO FINAL 3 WELLS TO GRAD.
- 1645 -> ALL WELLS GRADDED, SET CONCRETE ON REMAINING WELLS
- 1700 -> CLEANUP SITE, REMOVE DEBRIS, UNLOAD VAC TRUCK, SECURE SITE
TAKE W/ APPLIANCE STORE ABOUT WET CONCRETE.
- 1730 -> LABEL DRUMS & SECURE SITE
- 1800 -> OFFSITE

STRATHE ENV., INC.

Alameda County Public Works Agency - Water Resources Well Permit



399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 10/16/2008 By jamesy

Permit Numbers: W2008-0794
Permits Valid from 11/17/2008 to 11/20/2008

Application Id: 1224088980519	City of Project Site: Hayward
Site Location: 19661 Hesperian Blvd, Hayward, CA 94545	Completion Date: 11/20/2008
Project Start Date: 11/17/2008	
Requested Inspection: 11/17/2008	
Scheduled Inspection: 11/17/2008 at 11:30 AM (Contact your inspector, Vicky Hamlin at (510) 670-5443, to confirm.)	

Applicant: STRATUS ENVR. - Scott Bittinger	Phone: 530-676-2062
3330 Cameron Park Dr #550, Cameron Park, CA 95682	
Property Owner: TARGET Corporation	Phone: --
PO Box 94567-2185, Minneapolis, MN 55440	
Client: ** same as Property Owner **	

Receipt Number: WR2008-0372	Total Due:	\$345.00
Payer Name : STRATUS ENVR.	Total Amount Paid:	\$345.00
	Paid By: CHECK	PAID IN FULL

Works Requesting Permits:

Well Destruction-Monitoring - 1 Wells

Driller: Woodward Drilling - Lic #: 710079 - Method: auger

Work Total: \$345.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2008-0794	10/16/2008	02/15/2009	A-10	8.00 in.	2.00 in.	0.00 ft	35.00 ft			

Specific Work Permit Conditions

1. Drilling Permit(s) can be voided/ cancelled only in writing. It is the applicant's responsibility to notify Alameda County Public Works Agency, Water Resources Section in writing for an extension or to cancel the drilling permit application. No drilling permit application(s) shall be extended beyond ninety (90) days from the original start date. Applicants may not cancel a drilling permit application after the completion date of the permit issued has passed.

2. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

3. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Including permit number and site map.

4. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost and liability in connection with or resulting from the exercise of this Permit including, but not limited to,

Alameda County Public Works Agency - Water Resources Well Permit

property damage, personal injury and wrongful death.

5. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

6. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

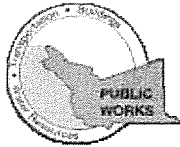
7. Remove the Christy box or similar structure.

Destroy well by grouting neat cement with a tremie pipe or pressure grouting (25 psi for 5min.) to the bottom of the well and by filling with neat cement to three (3-5) feet below surface grade. Allow the sealing material to spill over the top of the casing to fill any annular space between casing and soil.

After the seal has set, backfill the remaining hole with concrete or compacted material to match existing conditions.

8. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.

Alameda County Public Works Agency - Water Resources Well Permit



399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 10/16/2008 By jamesy

Permit Numbers: W2008-0791 to W2008-0793
Permits Valid from 11/17/2008 to 11/20/2008

Application Id: 1224088531822 **City of Project Site:**Hayward
Site Location: intersection of Hesperian Blvd and W Sunset Drive, Hayward
Project Start Date: 11/17/2008 **Completion Date:**11/20/2008
Requested Inspection: 11/17/2008
Scheduled Inspection: 11/17/2008 at 2:00 PM (Contact your inspector, Vicky Hamlin at (510) 670-5443, to confirm.)

Applicant: STRATUS ENVR. - Scott Bittinger **Phone:** 530-676-2062
 3330 Cameron Park Dr #550, Cameron Park, CA 95682
Property Owner: Alameda County **Phone:** 510-670-5480
 399 Elmhurst St., Hayward, CA 94544
Client: ** same as Property Owner **

	Total Due:	\$1035.00
Receipt Number: WR2008-0371	Total Amount Paid:	\$1035.00
Payer Name : STRATUS ENVR.	Paid By: CHECK	PAID IN FULL

Works Requesting Permits:

Well Destruction-Monitoring - 3 Wells
 Driller: Woodward Drilling - Lic #: 710079 - Method: auger **Work Total: \$1035.00**

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2008-0791	10/16/2008	02/15/2009	A-7	8.00 in.	3.00 in.	0.00 ft	35.00 ft			
W2008-0792	10/16/2008	02/15/2009	A-8	8.00 in.	3.00 in.	0.00 ft	35.00 ft			
W2008-0793	10/16/2008	02/15/2009	A-9	8.00 in.	3.00 in.	0.00 ft	35.00 ft			

Specific Work Permit Conditions

1. Drilling Permit(s) can be voided/ cancelled only in writing. It is the applicant's responsibility to notify Alameda County Public Works Agency, Water Resources Section in writing for an extension or to cancel the drilling permit application. No drilling permit application(s) shall be extended beyond ninety (90) days from the original start date. Applicants may not cancel a drilling permit application after the completion date of the permit issued has passed.

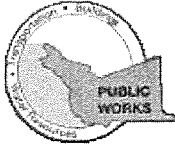
2. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

3. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Including permit number and site map.

Alameda County Public Works Agency - Water Resources Well Permit

4. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.
 5. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost and liability in connection with or resulting from the exercise of this Permit including, but not limited to, property damage, personal injury and wrongful death.
 6. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.
 7. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.
 8. Remove the Christy box or similar structure. Destroy well by overdrilling & Tremie Grouting with Cement. After the seal has set, backfill the remaining hole with concrete or compacted material to match existing.
 9. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.
-

Alameda County Public Works Agency - Water Resources Well Permit



399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 10/16/2008 By jamesy

Permit Numbers: W2008-0772 to W2008-0790
Permits Valid from 11/17/2008 to 11/20/2008

Application Id: 1224087582797
Site Location: 20200 Hesperian Blvd, Hayward, CA 94545
Project Start Date: 11/17/2008
Requested Inspection: 11/17/2008
Scheduled Inspection: 11/17/2008 at 3:00 PM (Contact your inspector, Vicky Hamlin at (510) 670-5443, to confirm.)

City of Project Site: Hayward
Completion Date: 11/20/2008

Applicant: STRATUS ENVR. - Scott Bittinger
3330 Cameron Park Dr #550, Cameron Park, CA 95682
Property Owner: Orkin Inc. c/o Thrifty Oil Company
13116 Imperial Hwy, Santa Fe Springs, CA 90670
Client: ** same as Property Owner **

Phone: 530-676-2062
Phone: --

	Total Due:	\$6555.00
Receipt Number: WR2008-0370	Total Amount Paid:	\$6555.00
Payer Name : stratus Envr.	Paid By: CHECK	PAID IN FULL

Works Requesting Permits:

Well Destruction-Monitoring - 19 Wells

Driller: Woodward Drilling - Lic #: 710079 - Method: other

Work Total: \$6555.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2008-0772	10/16/2008	02/15/2009	A-4	3.00 in.	0.00 in.	0.00 ft	35.00 ft			
W2008-0773	10/16/2008	02/15/2009	A-5	3.00 in.	0.00 in.	0.00 ft	35.00 ft			
W2008-0774	10/16/2008	02/15/2009	A-6	3.00 in.	0.00 in.	0.00 ft	35.00 ft			
W2008-0775	10/16/2008	02/15/2009	AR-1	6.00 in.	0.00 in.	0.00 ft	35.00 ft			
W2008-0776	10/16/2008	02/15/2009	AR-2	6.00 in.	0.00 in.	0.00 ft	35.00 ft			
W2008-0777	10/16/2008	02/15/2009	AS-1	1.00 in.	0.00 in.	0.00 ft	35.00 ft			
W2008-0778	10/16/2008	02/15/2009	AS-2	1.00 in.	0.00 in.	0.00 ft	35.00 ft			
W2008-0779	10/16/2008	02/15/2009	AS-3	0.00 in.	0.00 in.	0.00 ft	35.00 ft			
W2008-0780	10/16/2008	02/15/2009	AS-4	0.00 in.	0.00 in.	0.00 ft	35.00 ft			
W2008-0781	10/16/2008	02/15/2009	AS-6	0.00 in.	0.00 in.	0.00 ft	35.00 ft			
W2008-0782	10/16/2008	02/15/2009	AS-7	0.00 in.	0.00 in.	0.00 ft	35.00 ft			
W2008-0783	10/16/2008	02/15/2009	AS-9	0.00 in.	0.00 in.	0.00 ft	35.00 ft			
W2008-0784	10/16/2008	02/15/2009	AV-1	4.00 in.	0.00 in.	0.00 ft	35.00 ft			
W2008-0785	10/16/2008	02/15/2009	AV-2	4.00 in.	0.00 in.	0.00 ft	35.00 ft			
W2008-	10/16/2008	02/15/2009	AV-4	0.00 in.	0.00 in.	0.00 ft	35.00 ft			

Alameda County Public Works Agency - Water Resources Well Permit

0786

W2008- 10/16/2008 02/15/2009 EP-1 0.00 in. 0.00 in. 0.00 ft 35.00 ft
0787

W2008- 10/16/2008 02/15/2009 MW1 2.00 in. 0.00 in. 0.00 ft 35.00 ft
0788

W2008- 10/16/2008 02/15/2009 MW2 2.00 in. 0.00 in. 0.00 ft 35.00 ft
0789

W2008- 10/16/2008 02/15/2009 MW3 2.00 in. 0.00 in. 0.00 ft 35.00 ft
0790

Specific Work Permit Conditions

1. Drilling Permit(s) can be voided/ cancelled only in writing. It is the applicant's responsibility to notify Alameda County Public Works Agency, Water Resources Section in writing for an extension or to cancel the drilling permit application. No drilling permit application(s) shall be extended beyond ninety (90) days from the original start date. Applicants may not cancel a drilling permit application after the completion date of the permit issued has passed.

2. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

3. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Including permit number and site map.

4. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost and liability in connection with or resulting from the exercise of this Permit including, but not limited to, property damage, personal injury and wrongful death.

5. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

6. Permitte, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

7. Remove the Christy box or similar structure.

Destroy well by grouting neat cement with a tremie pipe or pressure grouting (25 psi for 5min.) to the bottom of the well and by filling with neat cement to three (3-5) feet below surface grade. Allow the sealing material to spill over the top of the casing to fill any annular space between casing and soil.

After the seal has set, backfill the remaining hole with concrete or compacted material to match existing conditions.

Alameda County Public Works Agency - Water Resources Well Permit

8. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.

Work Order Number: * 80001
 *This WO is ___ / is not open for charges.

Permit Number: RO8LD9557
 Permit Issuance Date: 10/3/08
 Permit Expiration Date: 10/2/09

**COUNTY OF ALAMEDA PUBLIC WORKS AGENCY
 ROADWAY ENCROACHMENT PERMIT**

This Permit is issued in accordance with Chapter 12.08 of the Alameda County General Ordinance Code

Name & Address of Property Owner:
West Owner is BP/ARCO, 6 Center Pointe
Drive, La Palma, CA 90623

Job Site Address:
20000 Block of Hepburn Blvd., at West
Sunset Drive

Phone Number: 925-275-3401

(This statement to be completed by the Agency)
 This permit is issued to the owner ___ / contractor ;
 if "owner" is checked, he/she is ___ / is not ___ exempt
 from the requirement that work in the roadway be
 performed by a licensed contractor.

Name & Address of Contractor:
Woodward Drilling Co., 550 River Road,
Rio Vista, CA 94571

Phone Number: 707-874-4300

The Applicant intends to perform the following work scope:

Destroy by overdrilling 3 ground water monitoring wells situated in the public right-of-way
(originally installed under permit B00-921189). Patch (repair ground surface, as appropriate,
after removing vault box covering wells.

Licensed Contractor Declaration:

I hereby affirm, under penalty of perjury, that I hold the following contractor's license, which is in full force and effect, under the applicable provisions of the State Business and Professions Code.

License Class and No. C-57, 710079
 Contractor's Signature:
Conang E. Woodward

Worker's Compensation Insurance Declaration:

I hereby affirm, under penalty of perjury, that I will, during the performance of any and all work authorized by this permit, satisfy the requirements of the State Labor Code with regard to Worker's Compensation Insurance, as declared below:

I will maintain a certificate of coverage to self-insure.
 I will maintain the following insurance policy:
 Carrier's Name and Policy No.:
State Fund #0020238
 I will not employ any person in any manner so as to become subject to the worker's compensation laws of the State.
 Owner's/Contractor's Signature:
Conang E. Woodward

All work and/or access shall be performed in accordance with the requirements of Chapter 12.08 and, unless otherwise specified below, shall be fully compliant with each of the terms and conditions of the attached General Provisions:

James Joo

CALL THIS NUMBER FOR INSPECTIONS: 670 6633

Bond Information:

 BY: [Signature], Alameda County

Insp. Fee 2 or Deposit ; \$ 99
\$ 225
 Work Completed (Date): _____
 Inspector: _____

I certify that the information that I have entered into this permit application is correct, and I agree to comply with all of the terms and conditions and other requirements of the issued permit.
Sue Dittmer Stratus Environmental, Inc.
 Signature of Applicant Date 9-5-08

THIS PERMIT IS INCOMPLETE WITHOUT THE ATTACHED GENERAL PROVISIONS

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

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REMOVED

CONFIDENTIAL

**STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)**

REMOVED

CONFIDENTIAL

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STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

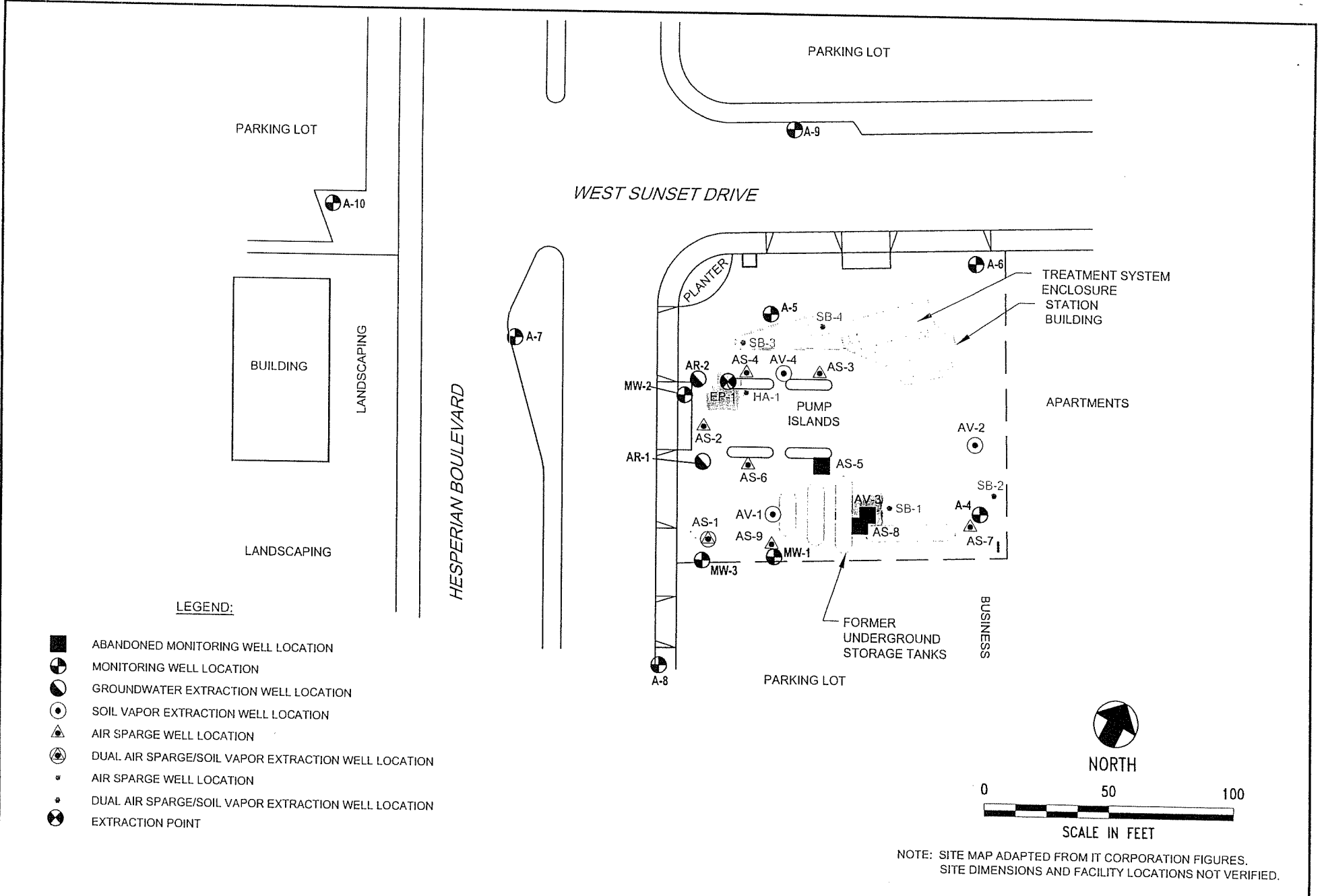
CONFIDENTIAL

**STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)**

REMOVED

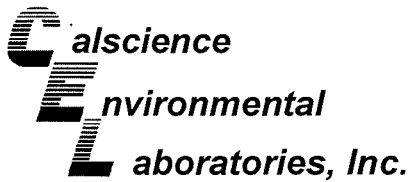
Table 1
Well Details
Former ARCO Station 5387
20200 Hesperian Boulevard
Hayward, California

Well ID	Diameter (Inches)	Well Depth (Feet bgs)	Dual Completion	Diameter of 2nd Well Casing	2nd Well Casing Depth (Feet bgs)
MW-1	2	30	NO	N/A	N/A
MW-2	2	30	NO	N/A	N/A
MW-3	2	30	NO	N/A	N/A
A-4	3	35	NO	N/A	N/A
A-5	3	30	NO	N/A	N/A
A-6	3	30	NO	N/A	N/A
A-7	3	35	NO	N/A	N/A
A-8	2	35	NO	N/A	N/A
A-9	2	35	NO	N/A	N/A
A-10	2	35	NO	N/A	N/A
AR-1	6	35	NO	N/A	N/A
AR-2	6	35	NO	N/A	N/A
AS-1	1	35	YES	2	15.5
AS-2	1	30	NO	N/A	N/A
AS-3	2	35	NO	N/A	N/A
AS-4	2	35	NO	N/A	N/A
AS-6	2	35	NO	N/A	N/A
AS-7	2	35	NO	N/A	N/A
AS-9	2	35	NO	N/A	N/A
AV-1	4	15	NO	N/A	N/A
AV-2	4	15	NO	N/A	N/A
AV-4	4	15	NO	N/A	N/A
EP-1			UNABLE TO LOCATE		



NOTE: SITE MAP ADAPTED FROM IT CORPORATION FIGURES. SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.

URS	Project No. 38486333	SITE MAP
	ARCO Service Station 5387 20200 Hesperian Boulevard Hayward, California	



December 05, 2008

Jay Johnson
Stratus Environmental, inc.
3330 Cameron Park Drive, Suite 550
Cameron Park, CA 95682-8861

Subject: **Calscience Work Order No.: 08-11-2093**
Client Reference: **ARCO 5387**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 11/22/2008 and analyzed in accordance with the attached chain-of-custody.

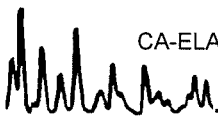
Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

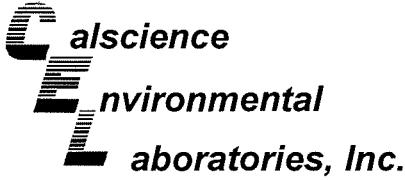
If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink, appearing to read "Richard Villafania".

Calscience Environmental
Laboratories, Inc.
Richard Villafania
Project Manager





Analytical Report



Stratus Environmental, inc.
3330 Cameron Park Drive, Suite 550
Cameron Park, CA 95682-8861

Date Received: 11/22/08
Work Order No: 08-11-2093
Preparation: EPA 3050B
Method: EPA 6010B

Project: ARCO 5387

Page 1 of 1

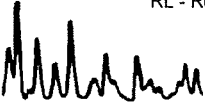
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SWC	08-11-2093-1-A	11/18/08 17:00	Solid	ICP 5300	12/02/08	12/03/08 10:37	081202L04

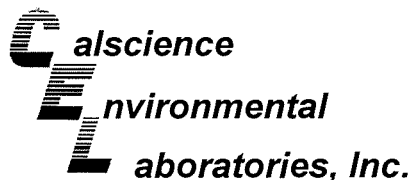
Parameter	Result	RL	DF	Qual	Units
Lead	6.16	0.500	1		mg/kg

Method Blank	097-01-002-11,774	N/A	Solid	ICP 5300	12/02/08	12/03/08 10:17	081202L04
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Parameter	Result	RL	DF	Qual	Units
Lead	ND	0.500	1		mg/kg

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





Analytical Report

Stratus Environmental, inc.
3330 Cameron Park Drive, Suite 550
Cameron Park, CA 95682-8861

Date Received: 11/22/08
Work Order No: 08-11-2093
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ARCO 5387

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SWC	08-11-2093-1-A	11/18/08 17:00	Solid	GC 1	11/22/08	11/26/08 20:47	081126B01

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	ND	0.50	1		mg/kg

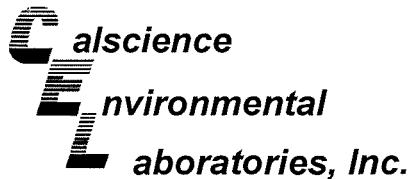
Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	83	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-697-52	N/A	Solid	GC 1	11/21/08	11/26/08 13:53	081126B01

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	84	42-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Stratus Environmental, inc.
3330 Cameron Park Drive, Suite 550
Cameron Park, CA 95682-8861

Date Received: 11/22/08
Work Order No: 08-11-2093
Preparation: EPA 5030B
Method: EPA 8260B
Units: mg/kg

Project: ARCO 5387

Page 1 of 1

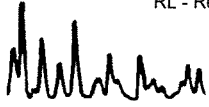
Table with 9 columns: Client Sample Number, Lab Sample Number, Date/Time Collected, Matrix, Instrument, Date Prepared, Date/Time Analyzed, QC Batch ID. Row 1: SWC, 08-11-2093-1-A, 11/18/08 17:00, Solid, GC/MS Z, 12/02/08, 12/02/08 22:50, 081202L01

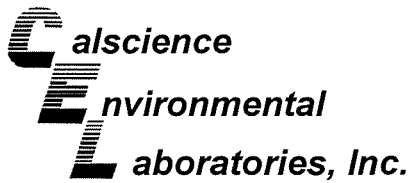
Table with 10 columns: Parameter, Result, RL, DF, Qual, Parameter, Result, RL, DF, Qual. Rows include Benzene, Ethylbenzene, Toluene, Surrogates (REC (%), Control Limits), Dibromofluoromethane, Toluene-d8.

Table with 9 columns: Method Blank, 099-12-709-70, N/A, Solid, GC/MS Z, 12/02/08, 12/02/08 22:19, 081202L01

Table with 10 columns: Parameter, Result, RL, DF, Qual, Parameter, Result, RL, DF, Qual. Rows include Benzene, Ethylbenzene, Toluene, Surrogates (REC (%), Control Limits), Dibromofluoromethane, Toluene-d8.

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





Quality Control - Spike/Spike Duplicate



Stratus Environmental, inc.
 3330 Cameron Park Drive, Suite 550
 Cameron Park, CA 95682-8861

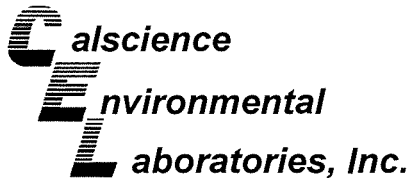
Date Received: 11/22/08
 Work Order No: 08-11-2093
 Preparation: EPA 3050B
 Method: EPA 6010B

Project ARCO 5387

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-12-0101-1	Solid	ICP 5300	12/02/08	12/03/08	081202S04

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Lead	135	131	75-125	1	0-20	LM

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - PDS / PDSD



Stratus Environmental, inc.
 3330 Cameron Park Drive, Suite 550
 Cameron Park, CA 95682-8861

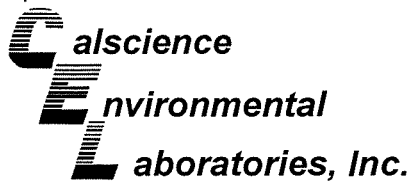
Date Received 11/22/08
 Work Order No: 08-11-2093
 Preparation: EPA 3050B
 Method: EPA 6010B

Project: ARCO 5387

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number
08-12-0101-1	Solid	ICP 5300	12/02/08	12/03/08	081202S04

Parameter	PDS %REC	PDSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Lead	98	94	75-125	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate

Stratus Environmental, inc.
3330 Cameron Park Drive, Suite 550
Cameron Park, CA 95682-8861

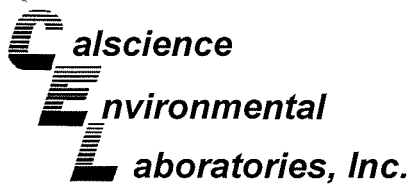
Date Received: 11/22/08
Work Order No: 08-11-2093
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project ARCO 5387

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-11-1842-14	Solid	GC 1	11/21/08	11/26/08	081126S01

<u>Parameter</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Gasoline Range Organics (C6-C12)	82	80	42-126	2	0-25	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate

Stratus Environmental, inc.
3330 Cameron Park Drive, Suite 550
Cameron Park, CA 95682-8861

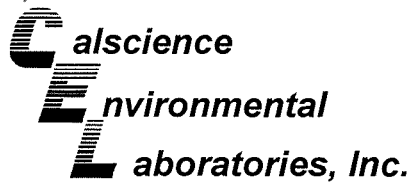
Date Received: 11/22/08
Work Order No: 08-11-2093
Preparation: EPA 5030B
Method: EPA 8260B

Project ARCO 5387

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-12-0101-2	Solid	GC/MS Z	12/02/08	12/02/08	081202S01

<u>Parameter</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Benzene	81	80	78-114	1	0-14	
Chloroform	97	63	80-120	43	0-20	LN,BA
1,1-Dichloroethane	66	96	80-120	38	0-20	LN,BA
1,2-Dichloroethane	91	91	80-120	0	0-20	
1,1-Dichloroethene	85	88	73-127	4	0-21	
Ethanol	99	103	45-135	4	0-29	
Tetrachloroethene	60	57	80-120	5	0-20	LN
Toluene	77	76	74-116	1	0-16	
Trichloroethene	75	73	74-122	3	0-17	LN
Methyl-t-Butyl Ether (MTBE)	84	110	69-123	27	0-18	BA

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate

Stratus Environmental, inc.
3330 Cameron Park Drive, Suite 550
Cameron Park, CA 95682-8861

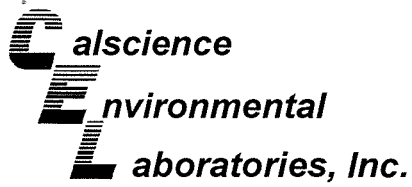
Date Received: N/A
Work Order No: 08-11-2093
Preparation: EPA 3050B
Method: EPA 6010B

Project: ARCO 5387

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-002-11,774	Solid	ICP 5300	12/02/08	12/03/08	081202L04

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Lead	107	106	80-120	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate

Stratus Environmental, inc.
3330 Cameron Park Drive, Suite 550
Cameron Park, CA 95682-8861

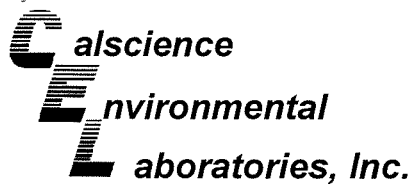
Date Received: N/A
Work Order No: 08-11-2093
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ARCO 5387

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-697-52	Solid	GC 1	11/21/08	11/26/08	081126B01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Gasoline Range Organics (C6-C12)	102	101	70-118	1	0-20	

RPD - Relative Percent Difference, CL - Control Limit



Quality Control - LCS/LCS Duplicate

net

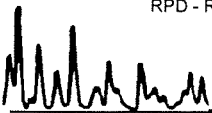
Stratus Environmental, inc.
3330 Cameron Park Drive, Suite 550
Cameron Park, CA 95682-8861

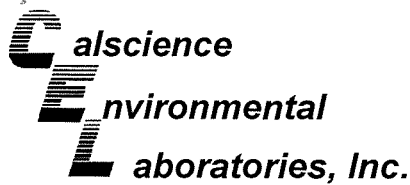
Date Received: N/A
Work Order No: 08-11-2093
Preparation: EPA 5030B
Method: EPA 8260B

Project: ARCO 5387

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-12-709-70	Solid	GC/MS Z	12/02/08	12/02/08	081202L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD_CL	Qualifiers
Benzene	92	100	84-114	79-119	7	0-7	
Bromobenzene	97	100	80-120	73-127	3	0-20	
Bromochloromethane	76	79	80-120	73-127	3	0-20	LR
Bromodichloromethane	97	100	80-120	73-127	3	0-20	
Bromoform	96	97	80-120	73-127	1	0-20	
Bromomethane	87	98	80-120	73-127	12	0-20	
n-Butylbenzene	93	103	77-123	69-131	10	0-25	
sec-Butylbenzene	96	104	80-120	73-127	7	0-20	
tert-Butylbenzene	97	104	80-120	73-127	7	0-20	
Carbon Disulfide	92	102	80-120	73-127	10	0-20	
Carbon Tetrachloride	94	103	69-135	58-146	10	0-13	
Chlorobenzene	95	99	85-109	81-113	4	0-8	
Chloroethane	100	112	80-120	73-127	11	0-20	
Chloroform	90	68	80-120	73-127	27	0-20	LR,BA
Chloromethane	86	95	80-120	73-127	10	0-20	
2-Chlorotoluene	96	100	80-120	73-127	4	0-20	
4-Chlorotoluene	93	101	80-120	73-127	8	0-20	
Dibromochloromethane	100	101	80-120	73-127	1	0-20	
1,2-Dibromo-3-Chloropropane	94	99	80-120	73-127	5	0-20	
1,2-Dibromoethane	100	101	80-120	73-127	2	0-20	
Dibromomethane	95	98	80-120	73-127	4	0-20	
1,2-Dichlorobenzene	95	101	80-110	75-115	6	0-10	
1,3-Dichlorobenzene	94	101	80-120	73-127	7	0-20	
1,4-Dichlorobenzene	92	99	80-120	73-127	7	0-20	
Dichlorodifluoromethane	98	105	80-120	73-127	7	0-20	
1,1-Dichloroethane	98	104	80-120	73-127	6	0-20	
1,2-Dichloroethane	98	100	80-120	73-127	2	0-20	
1,1-Dichloroethene	95	104	83-125	76-132	9	0-10	
c-1,2-Dichloroethene	89	98	80-120	73-127	9	0-20	
t-1,2-Dichloroethene	91	102	80-120	73-127	11	0-20	
1,2-Dichloropropane	95	101	79-115	73-121	6	0-25	
1,3-Dichloropropane	98	100	80-120	73-127	2	0-20	
2,2-Dichloropropane	90	94	80-120	73-127	4	0-20	
1,1-Dichloropropene	94	103	80-120	73-127	9	0-20	
c-1,3-Dichloropropene	100	103	80-120	73-127	3	0-20	
t-1,3-Dichloropropene	100	100	80-120	73-127	1	0-20	
Ethylbenzene	95	101	80-120	73-127	6	0-20	
Isopropylbenzene	98	102	80-120	73-127	5	0-20	

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Stratus Environmental, inc.
3330 Cameron Park Drive, Suite 550
Cameron Park, CA 95682-8861

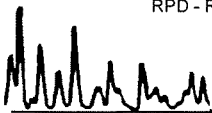
Date Received: N/A
Work Order No: 08-11-2093
Preparation: EPA 5030B
Method: EPA 8260B

Project: ARCO 5387

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-12-709-70	Solid	GC/MS Z	12/02/08	12/02/08	081202L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
p-Isopropyltoluene	96	104	80-120	73-127	8	0-20	
Methylene Chloride	96	99	80-120	73-127	3	0-20	
Naphthalene	96	98	80-120	73-127	3	0-20	
n-Propylbenzene	96	101	80-120	73-127	5	0-20	
Styrene	97	101	80-120	73-127	4	0-20	
Ethanol	101	109	50-134	36-148	7	0-23	
1,1,1,2-Tetrachloroethane	97	102	80-120	73-127	5	0-20	
1,1,2,2-Tetrachloroethane	100	99	80-120	73-127	1	0-20	
Tetrachloroethene	91	101	80-120	73-127	10	0-20	
Toluene	95	102	79-115	73-121	7	0-8	
1,2,3-Trichlorobenzene	94	99	80-120	73-127	5	0-20	
1,2,4-Trichlorobenzene	95	99	80-120	73-127	4	0-20	
1,1,1-Trichloroethane	96	105	80-120	73-127	8	0-20	
1,1,2-Trichloroethane	97	101	80-120	73-127	4	0-20	
Trichloroethene	93	100	87-111	83-115	7	0-7	
Trichlorofluoromethane	98	108	80-120	73-127	9	0-20	
1,2,3-Trichloropropane	99	95	80-120	73-127	4	0-20	
1,2,4-Trimethylbenzene	96	104	80-120	73-127	8	0-20	
1,3,5-Trimethylbenzene	96	101	80-120	73-127	5	0-20	
Vinyl Acetate	97	95	80-120	73-127	1	0-20	
Vinyl Chloride	93	104	72-126	63-135	11	0-10	BA
p/m-Xylene	92	98	80-120	73-127	6	0-20	
o-Xylene	96	101	80-120	73-127	5	0-20	
Methyl-t-Butyl Ether (MTBE)	100	103	75-129	66-138	3	0-13	
Tert-Butyl Alcohol (TBA)	97	103	66-126	56-136	6	0-24	
Diisopropyl Ether (DIPE)	100	103	77-125	69-133	3	0-13	
Ethyl-t-Butyl Ether (ETBE)	103	105	72-132	62-142	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	100	101	77-125	69-133	1	0-10	

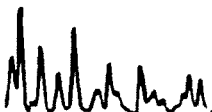
Total number of LCS compounds : 66
 Total number of ME compounds : 1
 Total number of ME compounds allowed : 3
 LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit



Work Order Number: 08-11-2093

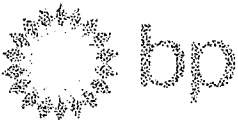
<u>Qualifier</u>	<u>Definition</u>
AX	Sample too dilute to quantify surrogate.
BA	There was no MS/MSD analyzed with this batch due to insufficient sample volume (NR = not reported). See Blank Spike/Blank Spike Duplicate.
BA,AY	Relative percent difference out of control, matrix interference suspected.
BB	Sample > 4x spike concentration.
BF	Reporting limits raised due to high hydrocarbon background.
BH	Reporting limits raised due to high level of non-target analytes.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
BY	Sample received at improper temperature.
CL	Initial analysis within holding time but required dilution.
CQ	Analyte concentration greater than 10 times the blank concentration.
CU	Surrogate concentration diluted to not detectable during analysis.
DF	Reporting limits elevated due to matrix interferences.
ET	Sample was extracted past end of recommended max. holding time.
EY	Result exceeds normal dynamic range; reported as a min est.
GS	Internal standard recovery is outside method recovery limit.
IB	CCV recovery abovelimit; analyte not detected.
IH	Calibrtn. verif. recov. below method CL for this analyte.
IJ	Calibrtn. verif. recov. above method CL for this analyte.
J,DX	J=EPA Flag -Estimated value; DX= Value < lowest standard (MQL), but > than MDL.
LA	Confirmatory analysis was past holding time.
LG	Surrogate recovery below the acceptance limit.
LH	Surrogate recovery above the acceptance limit.
LM,AY	MS and/or MSD above acceptance limits. See Blank Spike (LCS). Matrix interference suspected.
LN,AY	MS and/or MSD below acceptance limits. See Blank Spike (LCS). Matrix interference suspected.
LQ	LCS recovery above method control limits.
LR	LCS recovery below method control limits.



Work Order Number: 08-11-2093

<u>Qualifier</u>	<u>Definition</u>
MB	Analyte present in the method blank.
MG	Analyte is a suspected lab contaminate.
PC	Sample taken from VOA vial with air bubble > 6mm diameter.
PI	Primary and confirm results varied by > than 40% RPD.
RB	RPD exceeded method control limit; % recoveries within limits.





Chain of Custody Record

2093

Project Name: ARCO 5387
 BP BU/AR Region/Enfos Segment: _____
 State or Lead Regulatory Agency: _____
 Requested Due Date (mm/dd/yy): _____

Page 1 of 1
 ONSITE TIME 7 AM TEMP. 55°
 OFFSITE TIME _____ TEMP. _____
 Sky Conditions → Clear
 METEOROLOGICAL EVENTS _____
 WIND SPEED _____ DIRECTION _____

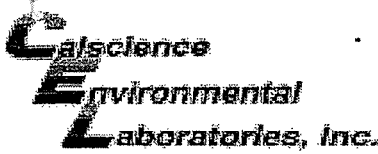
Lab Name: <u>CMS SCIENCE ENV. LABORATORIES</u>	BP/AR Facility No.: <u>5387</u>	Consultant/Contractor: <u>STATUS ENV., INC.</u>
Address: <u>7440 Lincoln Way</u> <u>Camden, CA 92041</u>	BP/AR Facility Address: <u>20260 Hesperian Boulevard</u>	Address: <u>3330 Cameron Park Dr. #550</u> <u>Camden Park, CA 95682</u>
Lab PM: <u>LYNDA SCHULLENBERG</u>	Site Lat/Long: <u>Hesperian, CA</u>	Consultant/Contractor Project #: <u>E5307</u>
Tele/Fax: <u>(714) 895-5494</u>	California Global ID No.: <u>T0600101388</u>	Consultant/Contractor PM: <u>JAY JOHNSON</u>
BP/AR PM Contact: <u>PAUL SUPPLE</u>	Enfos Project No.: <u>GOC52-0026</u>	Tele/Fax: <u>(330) 766-0000</u> <u>(330) 766-0005</u>
Address: _____	Provision or RCOP (circle one): _____	Project: <u>BPC-ROC Level 2 Level 1 w/ EDE</u>
Tele/Fax: <u>925 275 3801</u>	Phase/WBS: <u>SITE CLOSURE</u>	EMAIL TO: <u>STATUS@STATUSINC.NET</u>
Lab Bottle Order No: _____	Sub Phase/Task: <u>ANALYSIS</u>	INVOICE TO: <u>CONSULTANT BP OR CONTRACTOR</u>
Matrix	Cost Element: <u>CONTRACTOR LABOR</u>	

Item No.	Sample Description	Time	Date	Matrix			Laboratory No.	No. of Containers	Preservative					ROPESTOCK ANALYSES					Sample Cont. Lvl/Lab. Comment		
				Soil/Solid	Water/Liquid	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	As	Pb	Cd	Cr	Co		Gr	Bi
1	<u>SWC</u>		<u>11/10/08</u>	<u>1700</u>	<u>X</u>			<u>1</u>	<u>X</u>								<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>PRE COMPOSITED</u>
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					

Sampler's Name: <u>STATUS</u>	Relinquished By / Affiliation: <u>[Signature]</u>	Date: <u>11/21/08</u>	Time: <u>0900</u>
Sampler's Company: <u>STATUS</u>			
Shipment Date: _____			
Shipment Method: _____			
Shipment Tracking No: <u>510791629</u>			
Special Instructions: _____			

[Signature] CFC 11/21/08 0900
[Signature] TO GSD 11/21/08 1730
[Signature] 11/22/08 0930

Custody Seals In Place Yes No Temp Blank Yes No Cooler Temperature In Receipt _____
 Distribution: White Copy - Laboratory / Yellow Copy - BP/Atlantic Richfield Co. / Pink Copy - Consultant/Contractor



WORK ORDER #: 08-11-2093

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Stratus

DATE: 11/22/08

TEMPERATURE: (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 3.8 °C - 0.2 °C (CF) = 3.6 °C Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: _____).

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: Air Filter Metals Only PCBs Only Initial: Y

CUSTODY SEALS INTACT:

Cooler _____ No (Not Intact) Not Present N/A Initial: Y

Sample _____ No (Not Intact) Not Present Initial: RN

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sampler's name indicated on COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Correct containers and volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper preservation noted on sample label(s).....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Volatile analysis container(s) free of headspace.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

CONTAINER TYPE:

Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve EnCores® TerraCores® _____

Water: VOA VOA_h VOA_{na2} 125AGB 125AGB_h 125AGB_{po4} 1AGB 1AGB_{na2}
 1AGB_s 500AGB 500AGB_s 250CGB 250CGB_s 1PB 500PB 500PB_{na} 250PB
 250PB_n 125PB 125PB_{znna} 100PBsterile 100PB_{na2} _____ _____ _____

Air: Tedlar® Summa® _____

Container: C:Clear A:Amber P:Poly/Plastic G:Glass J:Jar B:Bottle

Preservative: h:HCL n:HNO₃ na₂:Na₂S₂O₃ na:NaOH po₄:H₃PO₄ s:H₂SO₄ znna:ZnAc₂+NaOH

Checked/Labeled by: RN
 Reviewed by: JSC
 Scanned by: RN

ATTACHMENT B
WASTE DISPOSAL CERTIFICATES

NO. 675474

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

GENERATING SITE: EPA I.D. NO. [REDACTED]

NAME: BP WEST COAST PRODUCTS, LLC 05387

ADDRESS: P.O. BOX 80248 20200 HESPERIAN BLVD. PROFILE No. [REDACTED]

RANCHO SANTA MARGARITA, CA 92688 HAYWARD, CA 94641 CITY, STATE, ZIP

PHONE NO.: 848 460 5200

CONTAINERS: No. 6 VOLUME 390 Gallons WEIGHT _____

TYPE: TANK TRUCK DUMP TRUCK DRUMS CARTONS OTHER _____

WASTE DESCRIPTION		GENERATING PROCESS	
COMPONENTS OF WASTE	PPM	COMPONENTS OF WASTE	PPM
1. <u>WATER</u>	<u>99-100%</u>	5. <u>WELL PURGING / DECON WATER</u>	
2. <u>TPH</u>	<u><1%</u>	6. _____	
3. _____		7. _____	
4. _____		8. <u>BESI-162323</u>	

PROPERTIES: PH 7-10 SOLID LIQUID SLUDGE SLURRY OTHER _____

HANDLING INSTRUCTIONS: 24-HOUR EMERGENCY PHONE: 800-424-9300

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Larry Moothart of BESI on behalf of generator TYPED OR PRINTED FULL NAME & SIGNATURE

12/18/08 DATE

TRANSPORTER

NAME: BELSHIRE EPA I.D. NO. [REDACTED]

Nicto & Sons

ADDRESS: 28871 TOWN CENTRE DRIVE 1281 Brea Canyon Road

FOOTHILL RANCH, CA 92610 Brea, CA 92621

PHONE NO.: (949) 460-5200 (714) 990-6855

SERVICE ORDER NO. _____

PICK UP DATE: 12/18/08

TRUCK/UNIT, I.D. NO. 213/567

Tim Jeanal TYPED OR PRINTED FULL NAME & SIGNATURE

12/18/08 DATE

TSD FACILITY

NAME: DEMENNO KERDOON EPA I.D. NO. [REDACTED]

ADDRESS: 2000 N. ALAMEDA ST.

CITY, STATE, ZIP: COMPTON, CA 90222

PHONE NO.: 310-537-7100

DISPOSAL METHOD: LANDFILL OTHER Recycler

Fernando Moraver and Ally TYPED OR PRINTED FULL NAME & SIGNATURE

12-23-08 DATE

GEN	OLD/NEW	L	A	TONS
TRANS		S	B	
C/Q		RT/CD	HWDF	NONE

DISCREPANCY

Manifest

TPST Soil Recyclers of CA

Non-Hazardous Soils

↓ Manifest # ↓

Date of Shipment: 12/29/08	Responsible for Payment:	Transporter Truck #: 022/732	Facility #: A07	Given by TPST: 323171001	Load #
--------------------------------------	--------------------------	--	---------------------------	------------------------------------	--------

Generator's Name and Billing Address: BP WEST COAST PRODUCTS, LLC P.O. BOX 80249 RANCHO SANTA MARGARITA, CA 92888	Generator's Phone #: 949-460-6200	Generator's US EPA ID No.
	Person to Contact:	
	FAX#:	Customer Account Number with TPST:

Consultant's Name and Billing Address:	Consultant's Phone #:	
	Person to Contact:	
	FAX#:	Customer Account Number with TPST:

Generation Site (Transport from): (name & address) 05387 20200 HESPERIAN BLVD HAYWARD, CA 94541	Site Phone #:	BTEX Levels
	Person to Contact:	TPH Levels
	FAX#:	AVG. Levels

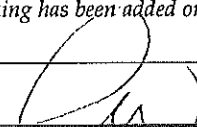
Designated Facility (Transport to): (name & address) TPST SOIL RECYCLERS OF CALIFORNIA 12328 HIBISCUS AVENUE ADELANTO, CA 92301	Facility Phone #: (800) 862-8001	Facility Permit Numbers
	Person to Contact: DELLENA JEFFREY	
	FAX#: (780) 248-8004	

Transporter Name and Mailing Address: BELSHIRE 25971 TOWNE CENTRE DRIVE FOOTHILL RANCH, CA 92610 BESI: 162323	Transporter's Phone #: (949) 460-6200	Transporter's US EPA ID No.: CAR000193013
	Person to Contact: LARRY MOOTHART	Transporter's DOT No.: 460847
	FAX#: (949) 460-6210	Customer Account Number with TPST:

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/>	0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/>	Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/>	7 drums		8960	4420	4540
Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/>	0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/>	Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/>					227

List any exception to items listed above: _____ Scale Ticket# **64874**

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

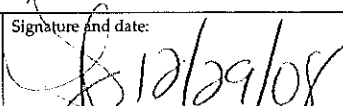
Print or Type Name: Larry Moothart of BESI on behalf of generator	Generator <input type="checkbox"/> Consultant <input type="checkbox"/>	Signature and date:  12/18/08
---	--	---

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: FRANK SUTAR	Signature and date:  12/29/08
---	---

Discrepancies: _____

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: D. JEFFREY/J. PROVANSAL	Signature and date:  12/29/08
---	---

Please print or type.