

RECEIVED

By Alameda County Environmental Health 10:19 am, Apr 29, 2015

April 24, 2015

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

Subject: Well Decommissioning Report
Former AutoPro
5200 Telegraph Avenue, Oakland, California
Case Number RO0000323
GeoTracker Global ID T0600100131
PSI Project No. 575-401-2

Dear Ms. Detterman:

Tri Star Partnership is pleased to submit the Well Decommissioning Report for the subject site. Please refer to the attached report for details.

I declare, under penalty of perjury, that the information contained in the attached Well Decommissioning Report are true and correct to the best of my knowledge, without independently investigating or verifying the information contained therein.

If you have any questions regarding this report or any aspect of the project, please call Mr. Frank Poss with PSI at 510-434-9200 (x303).

Sincerely,



George Tuma
General Partner
Tri Star Partnership

cc: Mr. Frank Poss, PSI

WELL DECOMMISSIONING REPORT

**FORMER AUTOPRO
5200 TELEGRAPH AVENUE
OAKLAND, CALIFORNIA**

WELL DECOMMISSIONING REPORT

**FORMER AUTOPRO
5200 TELEGRAPH AVENUE
OAKLAND, CALIFORNIA**

prepared for

Tri Star Partnership
30 Arjang Court
Alamo, California 94507

prepared by

Professional Service Industries, Inc.
4703 Tidewater Avenue, Suite B
Oakland, California 94601
(510) 434-9200

April 24, 2015
PSI Project No. 575-401-2



April 24, 2015

Tri Star Partnership

30 Arjang Court,
Alamo, California 94507

Attention: Mr. George Tuma

Subject: Well Decommissioning Report

Former Autopro
5200 Telegraph Avenue, Oakland, California
PSI Project No. 575-401-2


Dear Mr. Tuma:

Professional Service Industries, Inc. (PSI) is pleased to present this report documenting the decommissioning of the five monitoring wells located at the subject site. The well decommissioning was performed on March 27, 2015. This report presents a description of the work performed and includes a copy of the required permits obtained from the Alameda County Public Works Agency (ACPWA) and the City of Oakland.

If you have any questions regarding this report or any aspect of the project please do not hesitate to contact us at (510) 434-9200.

Sincerely,

PROFESSIONAL SERVICE INDUSTRIES, INC.


Brand Burfield, PG 6986
Project Geologist




Frank R. Poss
Principal Consultant

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- Figure 2 - Site Plan and Monitoring Well Location Map

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- Appendix B - Permits
- Appendix C - Waste Disposal Documentation



STATEMENT OF LIMITATIONS AND PROFESSIONAL CERTIFICATION

Information provided in this report is intended exclusively for Tri Star Partnership, (PSI Project Number 575-401) for the decommissioning of wells MW-1 through MW-5 at the subject site. Professional Service Industries, Inc. is responsible for the facts and accuracy of the data presented herein. The professional services provided have been performed in accordance with practices generally accepted by other geologists, hydrologists, hydrogeologists, engineers, and environmental scientists practicing in this field. No other warranty, either expressed or implied, is made.

This Well Decommissioning Report is issued with the understanding that PSI will provide the report to the appropriate regulatory agencies through an upload to the California State GeoTracker database. This report has been reviewed by a geologist who is registered in the State of California and whose signature and license number appears below.



Frank R. Poss
Principal Consultant



Brand Burfield, PG 6986
Project Geologist



INTRODUCTION

The site is located at 5200 Telegraph Avenue in Oakland, Alameda County, California (see Figure 1 - Site Location Map). The subject site is a triangular-shaped property (APN No. 14-1225-17-2) measuring about 9,000 square foot in plan area.

The site is currently a Test Only Smog Station, but was used as an automobile filling and service station (Autopro) from 1973 to 1990. The site was under environmental investigation due to historical release of fuel to the subsurface associated with leaking underground storage tanks (LUSTs). Groundwater monitoring wells MW-1 through MW-4 were installed in April, 1994 as part of the investigation regarding the release. An off-site monitoring well from a southwest-adjacent LUST site (MW-4 from the former Chevron station at 5101 Telegraph Ave.) was added to the site's monitoring program in July 1998, with its name changed to MW-5 to avoid confusion with the existing on-site MW-4. It was agreed that Tri Star Partnership would be responsible for the eventual abandonment of Chevron's MW-4. Copies of the well installation diagrams are presented in Appendix A. The approximate locations of the wells are presented in Figure 2 – Monitoring Well Location Map.

On November 14, 2014, notice of closure of this former LUST case was issued by Ms. Karel Detterman of Alameda County Environmental Health (ACEH) with a requirement to decommission the monitoring wells at the site. Professional Service Industries, Inc. (PSI) was retained by Tri Star Partnership to perform the decommissioning of the wells. This report presents a description of the work performed and includes copies of the permits obtained from the regulatory and City agencies for the decommissioning of monitoring wells MW-1 through MW-5.

SCOPE OF WORK

The work consisted of the decommissioning of five monitoring wells (MW-1 through MW-5) at the subject site. The scope of work for the well decommissioning included:

- Reviewing the monitoring well installation records;
- Obtaining permits for the destruction of the wells from the Alameda County Public Works Agency (ACPWA) and the City of Oakland;
- Decommissioning the monitoring wells in general accordance with ACPWA and California Department of Water Resources (DWR) guidelines;
- Completion and submittal of required DWR Well Completion Reports; and
- Preparing this report.

Copies of the well destruction, excavation and obstruction permits are presented in Appendix B.



WELL DECOMMISSIONING

Pre-Field Activities

Underground Service Alert - Prior to initiation of field drilling activities, PSI marked the proposed boring location in the street and contacted Underground Service Alert (USA) a minimum of 48 hours prior to beginning work to locate any potential buried utilities. The USA inquiry identification number (or "Ticket Number") for the utility locate request was #130054.

Well Destruction Permits – Prior to decommissioning of the wells, PSI obtained Well Destruction Permits (Permit Numbers W2015-189 through W2015-193) from the Alameda County Public Works Agency, Water Resources Division (ACPWA). A copy of the permits is included in Appendix B.

Public Right-Of-Way Permits – For the decommissioning of MW-5, which is located within the public right-of-way, the work required temporarily shutting down traffic in the right-hand, northbound lane of Telegraph Avenue adjacent to the site. As required for work in the right-of-way, PSI applied for and obtained both an Excavation Permit and an Obstruction Permit from the City of Oakland Planning and Building Department. As a condition to obtain the Obstruction Permit, PSI also submitted a Traffic Control Plan (TCP) for approval by the City of Oakland Transportation Services Division. As part of the requirements for TCP approval, PSI coordinated with and obtained permission from AC Transit for the temporary relocation of the bus stop (Stop ID Number 56646) blocked by the lane closure. PSI contracted Traffic Management, Inc. of San Leandro, California, to prepare the TCP. Copies of the City of Oakland permits and the approved TCP are included in Appendix B.

Method Selection

Five monitoring wells (MW-1 through MW-5) were decommissioned on March 27, 2015. Prior to decommissioning, the wells were uncapped and sounded. Sounded depths of wells MW-1, MW-3 and MW-4 did not agree with the construction data for the wells; the sounded depths measured about 5 to 10 feet less than their installation depth, indicating a blockage (e.g. siltation or stuck bailer) or an irregularity (e.g. bend, kink or break) in the well casings. As such, these 3 wells were planned to be drilled out to their total installed depths. Well MW-5, located in Telegraph Avenue, was also planned to be drilled out.

Due to the close proximity of overhead or underground utilities, it was determined that it would be unsafe to drill out wells MW-1 and MW-5. As such, permission to decommission these wells using the pressure grout method was requested of, and subsequently granted by Mr. Steve Miller of the ACPWA.



Decommissioning

Two (2) wells (MW-3 and MW-4) were destroyed by drilling them out. Initially, the flush-mounted, protective well box at the surface of each well was removed from the ground surface. The wells were then destroyed by drilling out the well casings and annular materials with an 8-inch diameter, hollow-stem auger to a depth of approximately 26 feet (one foot beyond their total installed well depths). The resultant boreholes were subsequently filled with a grout mixture consisting of 95% Portland Type II cement and 5% powdered bentonite, placed from the bottom of the well to the surface using a tremmie pipe. The holes were topped with asphalt patch or tinted concrete to match the adjacent ground surface.

Three (3) wells (MW-1, MW-2 and MW-5) were decommissioned using the pressure grouting method. The well casings were filled with a grout mixture consisting of neat Portland Type II cement, mixed at a ratio of no more than 6 gallons of water per 94 pounds of cement. The grout was placed from the bottom of the wells to the surface using a tremie pipe. A grout pump was then attached to the head of each well casing using a water-tight fitting and used to pressurize the casing with grout at 25 psi for no less than 5 minutes. The protective well boxes at the surface of each well were removed from the ground and the resultant holes were backfilled with concrete and topped with asphalt patch to match the existing ground surface.

Drilling and grouting services for the decommissioning of the wells were provided by V&W Drilling Inc. of Stockton, California. Mr. Steve Miller of the ACPWA was present at the site for inspection of the well decommissioning. PSI contracted Traffic Management, Inc. of San Leandro, California, to perform the traffic control services during the decommissioning of MW-5. A copy of the TCP, which shows a diagram of the locations and types of signage, traffic cones and other safety devices used for the lane closures, is included in Appendix B.

Well Completion Reports

A California Department of Water Resources (DWR) Well Completion Report was subsequently completed for each well, signed by the licensed drilling contractor, and sent to Mr. Miller of the ACPWA for filing with the DWR. Copies of the form and the attachments (geologic log and well construction diagram) for each well are presented in Appendix A.



WASTE DISPOSAL

Waste from the well decommissioning activities, in the form of annular well material (sand, bentonite and cement), metal well boxes, PVC casing and small amounts of concrete, were placed in four (4) 55-gallon drums. The drums were labeled with the date and pertinent project information, and secured and stored on-site for pickup and proper disposal. Additionally, one (1) 55-gallon drum of purge water was on site from the most recent groundwater monitoring event.

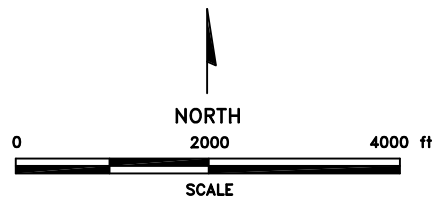
PSI contracted a licensed waste hauler, National Response Corporation of Alameda, California (NRC) to pick up the 5 drums and transport them to a suitable site for proper disposal. A copy of the most recent groundwater laboratory analytical report was provided to NRC to characterize the waste for disposal, as we expect that to be a conservative characterization of contamination that may be present in both the purge water and the annular well materials. The drums were picked up from the site by NRC on April 21, 2015. A copy of the analytical report and the waste disposal manifest is included in Appendix C.

CONCLUSIONS

A total of five (5) wells were decommissioned at the site on March 27, 2015, as required by the ACEH for case closure. All waste, drums, debris and other investigation- or remediation-derived materials have been removed from the site for disposal in accordance with applicable regulatory requirements. As such, it is our opinion that the subject LUST case (ACEH Fuel Leak Case No. RO0000323) qualifies for closure. PSI will submit a copy of this report to the ACEH via electronic upload and to the State Water Resources Control Board's Geotracker database.



FIGURES



REFERENCE:

U.S.G.S. OAKLAND WEST AND OAKLAND EAST, CALIFORNIA, 7.5 MINUTE SERIES TOPOGRAPHIC MAPS, DATED 1993 AND 1997.

psi Information
To Build On
Engineering • Consulting • Testing

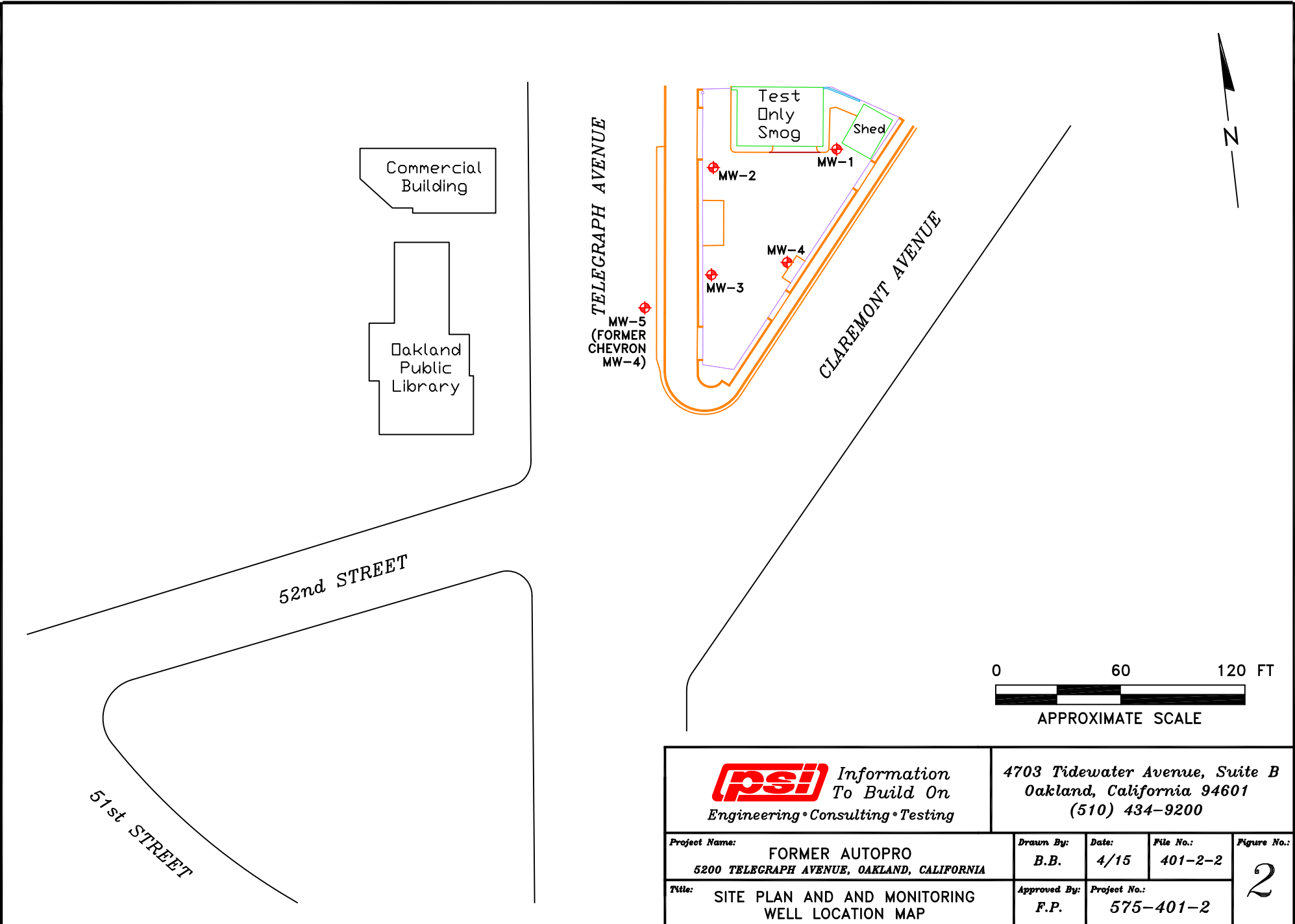
4703 Tidewater Avenue, Suite B
Oakland, California 94601
(510) 434-9200

Project Name: FORMER AUTOPRO
5200 TELEGRAPH AVENUE, OAKLAND, CALIFORNIA

Drawn By: B.B. **Date:** 4/15 **File No.:** 401-2-1 **Figure No.:** 1

Title: SITE LOCATION MAP

Approved By: F.P. **Project No.:** 575-401-2



psi Information
 To Build On
 Engineering • Consulting • Testing

4703 Tidewater Avenue, Suite B
 Oakland, California 94601
 (510) 434-9200

Project Name: FORMER AUTOPRO 5200 TELEGRAPH AVENUE, OAKLAND, CALIFORNIA		Drawn By: B.B.	Date: 4/15	File No.: 401-2-2	Figure No.: 2
Title: SITE PLAN AND AND MONITORING WELL LOCATION MAP		Approved By: F.P.	Project No.: 575-401-2		

APPENDIX A

WELL COMPLETION REPORTS



CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

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

REMOVED

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

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

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CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

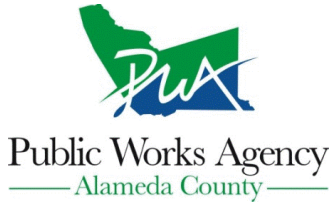
STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

APPENDIX B

PERMITS

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: 03/12/2015 By jamesy

Permit Numbers: W2015-0189 to W2015-0193
Permits Valid from 03/17/2015 to 03/30/2015

Application Id:	1424908411978	City of Project Site: Oakland
Site Location:	5200 Telegraph Avenue (Test Only SMOG Station) Oakland, California 94609	
Project Start Date:	03/17/2015	Completion Date: 03/30/2015
Assigned Inspector:	Contact Steve Miller at (510) 670-5517 or stevem@acpwa.org	
Applicant:	Professional Service Industries, Inc. - Brand Burfield 4703 Tidewater Avenue, Suite B, Oakland, CA 94601	Phone: 510-434-9200 x305
Property Owner:	George Tuma 30 Arjang Court, Alamo, CA 94507	Phone: 925-831-8862
Client:	** same as Property Owner **	

Total Due:	\$1985.00
Receipt Number: WR2015-0099	Total Amount Paid: _____
Payer Name : Professional Service Industries, Inc.	\$1985.00
	PAID IN FULL

Works Requesting Permits:

Well Destruction-Monitoring - 5 Wells
Driller: V&W Drilling, Inc. - Lic #: 720904 - Method: over

Work Total: \$1985.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2015-0189	03/12/2015	06/15/2015	MW-1	8.00 in.	2.00 in.	14.00 ft	30.00 ft			
W2015-0190	03/12/2015	06/15/2015	MW-2	8.00 in.	2.00 in.	14.00 ft	25.00 ft			
W2015-0191	03/12/2015	06/15/2015	MW-3	8.00 in.	2.00 in.	14.00 ft	25.00 ft			
W2015-0192	03/12/2015	06/15/2015	MW-4	8.00 in.	2.00 in.	14.00 ft	25.00 ft			
W2015-0193	03/12/2015	06/15/2015	MW-5	8.00 in.	2.00 in.	6.00 ft	22.00 ft		93361 (Z7)	

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.

Alameda County Public Works Agency - Water Resources Well Permit

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. Include permit number and site map.
 4. Applicant shall submit the copies of the approved encroachment permit to this office within 10 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 assigned inspector listed on the top of the permit 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. Remove the Christy box or similar structure. Destroy well MW-5 by overdrilling the upper 5ft. bgs & Tremie Grouting with Cement. After the seal has set, backfill the remaining hole with concrete or compacted material to match existing.
 8. Remove the Christy box or similar structure. Destroy all other wells 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.
 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.
-

Permits for which no major inspection has been approved within 180 days shall expire by limitation. No refund more than 180 days after expiration or final.



CITY OF OAKLAND

250 FRANK H. OGAWA PLAZA ▪ 2ND FLOOR ▪ OAKLAND, CA 94612

Planning and Building Department
www.oaklandnet.com

PH: 510-238-3891
FAX: 510-238-2263
TDD: 510-238-3254

Permit No: OB1500281 Obstruction **Filed Date:** 3/23/2015

Job Site: 5240 TELEGRAPH AVE **Schedule inspection by calling:** 510-238-3444

Parcel No: 014 122501702

District:

Project Description: BLOCK 100' OF TRAFFIC LANE EAST OF TELEGRAPH OFF CLAREMONT RELATED TO ACTIVITY BELOW. TSD15-0048

Abandon ONE monitoring well east of Telegraph Av off Claremont Ave.
County documentation provided. Call PWA INSPECTION prior to start: 510-238-3651. 4th FLOOR.

Related Permits: X1500640

	<u>Name</u>	<u>Applicant</u>	<u>Address</u>	<u>Phone</u>	<u>License #</u>
Owner:	TEKIN FATIH & FERDA		121 DIAMOND CT HERCULES, CA		
Contractor:	V & W DRILLING INC	X	3806 DUCK CREEK DRIVE STOCKTON, CA	(209) 469-7700	720904

PERMIT DETAILS: Building/Public Use/Activity/Obstructions					
Work Information					
Start Date:	03/27/2015	Obstruction Permit Type:	Short Term (Max 14 Days)		
End Date:	03/27/2015	Number of Meters (Metered Area):			
		Length Of Obstruction (Unmetered Area):	50		

TOTAL FEES TO BE PAID AT FILING: \$121.06					
Application Fee	\$71.00	Records Management Fee	\$10.02	Short Term Permits	\$34.50
Technology Enhancement Fee	\$5.54				

Plans Checked By _____ Date _____ Permit Issued By _____ Date _____

Finalized By _____ Date _____

FIELD COPY

Permits for which no major inspection has been approved within 180 days shall expire by limitation. No refund more than 180 days after expiration or final.



CITY OF OAKLAND

250 FRANK H. OGAWA PLAZA ■ 2ND FLOOR ■ OAKLAND, CA 94612

Planning and Building Department
www.oaklandnet.com

PH: 510-238-3891
FAX: 510-238-2263
TDD: 510-238-3254

Permit No: X1500640 Excavation Filed Date: 3/23/2015

Job Site: 5240 TELEGRAPH AVE Schedule Inspection by calling: ~~510-238-3444~~

Parcel No: 014 122501702

District:

Project Description: Abandon ONE monitoring well east of Telegraph Av off Claremont Ave.
County documentation provided. Call PWA INSPECTION prior to start: 510-238-3651. 4th FLOOR.

Related Permits:

	<u>Name</u>	<u>Applicant</u>	<u>Address</u>	<u>Phone</u>	<u>License #</u>
Owner:	TEKIN FATIH & FERDA		121 DIAMOND CT HERCULES, CA		
Contractor:	V & W DRILLING INC	X	3806 DUCK CREEK DRIVE STOCKTON, CA	(209) 469-7700	720904

PERMIT DETAILS: Building/Public Infrastructure/Excavation/NA

General Information

Excavation Type: Private Party Special Paving Detail Required: Tree Removal Involved:

Date Street Last Resurfaced: Holiday Restriction (Nov 1 - Jan 1):

Worker's Compensation Company Name: Limited Operation Area (7AM-9AM) And (4PM-6PM):

Worker's Compensation Policy #:

Key Dates

Approximate Start Date:

Approximate End Date:

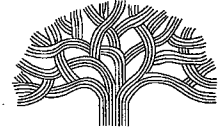
TOTAL FEES TO BE PAID AT FILING: \$436.05					
Application Fee	\$71.00	Excavation - Private Party Type	\$309.00	Records Management Fee	\$36.10
Technology Enhancement Fee	\$19.95				

Plans Checked By _____ Date _____ Permit Issued By _____ Date _____

Finalized By _____ Date _____

FIELD COPY

CITY OF OAKLAND



Public Works Agency • 250 Frank H. Ogawa Plaza • Suite 4344 • Oakland, California 94612-2033
 Transportation Services Division

Office (510) 238-3466
 FAX (510) 238-7415
 TDD (510) 839-6451

Traffic Engineering Services Analysis Fee Invoice

Date: March 19, 2015

TSD Invoice # : 15-0048

To: Brand Burfield

Company: Professional Service

Address: 4703 Tidewater Ave, Ste B Oakland, CA 94601

Phone: 510-434-9200 x305

Created/Received By: Joe Watson

Location	Description of Work	Project Name / Permit #	# of Hours *
Telegraph Avenue	Walk In TCP Review		1
Total Hours			1
TSD Service Rate			\$ 123.00
Total Fee			\$ 123.00

* - minimum 1 hour service

FOR CITY USE ONLY	
Cost Center No.	W045
Organization No.	30265
Account No.	45119
Fund No.	1750

Cc: Rosalie

APPLICATION FOR TRAFFIC CONTROL PLAN

Transportation Services Fee: \$123/hour
(Check or Money Order Only)



City of Oakland

RECEIVED
PUBLIC WORKS AGENCY
TRAFFIC ENGINEERING

Public Works Agency
Transportation Services Division

15 MAR 11 PM 2:00

Check the box that apply:

- New Application (Utility, Excavation)
- Renewal Application
- New Development w/ Mgmt Plan
- City of Oakland Project

Please Read the Following Statements Below:

1. Processing time for a Traffic Control Application is a **minimum of 10 business days**.
2. Traffic Control review is scheduled **only** on **Tuesdays** and **Thursdays** from **8:30am thru 11:30am** by **appointment only**.
3. A scheduled **appointment** by phone or email with a TSD staff member is necessary to discuss any and all traffic control application and plans.
4. Please **call ahead** to confirm that the traffic control application is ready for pickup @ 510-238-3467.
5. Businesses and residences adjacent to the work area must be provided **72 hour advance notice**.
6. A **completed** traffic control application may be faxed to (510) 238-7415.
7. **Incomplete** traffic control applications will not be processed and returned to applicant immediately.
8. The initial approval for a traffic control plan is 1 month, the renewal submittal may be approved up to 3 months.
9. The traffic control provision dates cannot be changed or extended if work has already commenced.
10. After receiving TSD approval of the traffic control application, contractor shall proceed to the Permit Center to "Obstruction obtain an obstruction permit."

Contact Person: BRAND BURFIELD Phone: (510) 434-9200 (x 305)
 Name of Company: PROFESSIONAL SERVICE INDUSTRIES Fax: (510) 434-7676
 Address of Company: 4703 TIDEWATER AVE, STE. B, OAKLAND CA 94601
 Describe type of work to be performed: DRILLING IN NB LANE OF TELEGRAPH AVE AT CLAREMONT AVE.

Location of work: TELEGRAPH AVENUE Between* CLAREMONT AVE And* 55TH STREET
 Work date (s): MARCH 27, 2015 Mon-Fri Sat-Sun Work Hours: 10:00 AM to 3:00 PM

Please Follow these Steps in Order to Complete a Traffic Control Plan:

- A. **Drawing Area:** The full width of all streets adjacent to the site **MUST** be included in the drawing. Include the entire block in which your work is located for every street that is adjacent to your site.
- B. **Include Street Names, Direction of Traffic on the Street, and North Arrow**
- C. **Show Existing Number of Lanes in all Directions** (with any pavement arrows)
- D. **Check the Box(s) that Apply:** All checked items **MUST** be shown on the drawing

<input checked="" type="checkbox"/> Lane Closure	<input type="checkbox"/> Use of Median	<input type="checkbox"/> Sidewalk Closure
<input type="checkbox"/> Street Closures (must provide detour plan)	<input type="checkbox"/> Use Parking Lane	(must provide pedestrian walk way)
- E. **Show All Dimensions** of street widths (curb to curb), lane widths, sidewalk widths, and work area dimension.
(Note: Traffic Control Application / Plans missing the above information will not be accepted or processed.)
- F. **Show the Name and Locations** of all advanced warning devices, flaggers, delineators, warning and construction signs to be used.

RENEWAL PROCESS: Resubmit a completed Traffic Control Application with the old approved plan (with the necessary modifications / changes to the plans).

FOR HELP in preparing a traffic control plan, see Temporary Traffic Control Pocket Reference Guide 2007, Work Area Traffic Control Handbook 2006, or the California Manual on Uniform Traffic Control (MUTCD) 2003, Chapter 6.

http://www.dot.ca.gov/hq/traffops/signtech/mutcdsupp/ca_mutcd.htm
For City website: <http://www.oaklandpw.com/Page548.aspx>

* Name the streets that are the boundaries of your work area.

SPECIAL PROVISION 7-10.1 TRAFFIC REQUIREMENTS

Project Name: _____
 Project Number: TSD-15-0048
 Reviewed By: JWatson *JWatson*
 Date: 3/19/2015
 Permit good from 03/27/2015
 to 03/27/2015

ADD NEW SUBSECTION TO READ:
SP 7-10.1.4 Vehicular Traffic

Attention is directed to Section 7-10. Public Convenience and Safety, of the City of Oakland Standard Specification for Public Works Construction, 2006 Edition (Include this paragraph for p-jobs, excavation permits or obstruction permits).

The Contractor shall conduct its work in such a manner as to provide public convenience and safety and according to the provisions in this subsection. The provisions shall not be modified or altered without written approval from the Engineer.

Standard traffic control devices shall be placed at the construction zone according to the latest edition of the Work Area Traffic Control Handbook or Manual on Uniform Traffic Control Devices (MUTCD), Chapter 6 – "Traffic Controls for Construction and Maintenance Work Zone," or as directed by the Engineer.

All trenches and excavations in any public street or roadway shall be back filled and opened to traffic, or covered with suitable steel plates securely placed and opened to traffic at all times except during actual construction operations unless otherwise permitted by the Engineer.

Each section of work shall be completed or temporarily paved and open to traffic in not more than 5 days after commencing work unless otherwise permitted in writing by the Engineer.

Where construction encroaches into the sidewalk area, a minimum of 5 ½ feet of unobstructed sidewalk shall be maintained at all times for pedestrian use. Pedestrian barricades, shelter, and detour signs per Caltrans standards may be required.

The contractor shall conduct its operation in such a manner as to leave the following traffic lanes unobstructed and in a condition satisfactory for vehicular travel during the Obstruction Period. At all times traffic lanes will be restricted and reopened to travel. Emergency access shall be provided at all times.

Street Name Limits	Obstruction Period	North Bound	South Bound	East Bound	West Bound
Telegraph Avenue between Claremont Avenue and 55 th Street	Mon. – Fri. 9am – 4pm	1-12' lane open minimum	N/A	N/A	N/A
51 st Street between Telegraph Avenue and Shattuck Avenue	Mon. – Fri. 9am – 4pm	N/A	N/A	3-12' lane open minimum	N/A

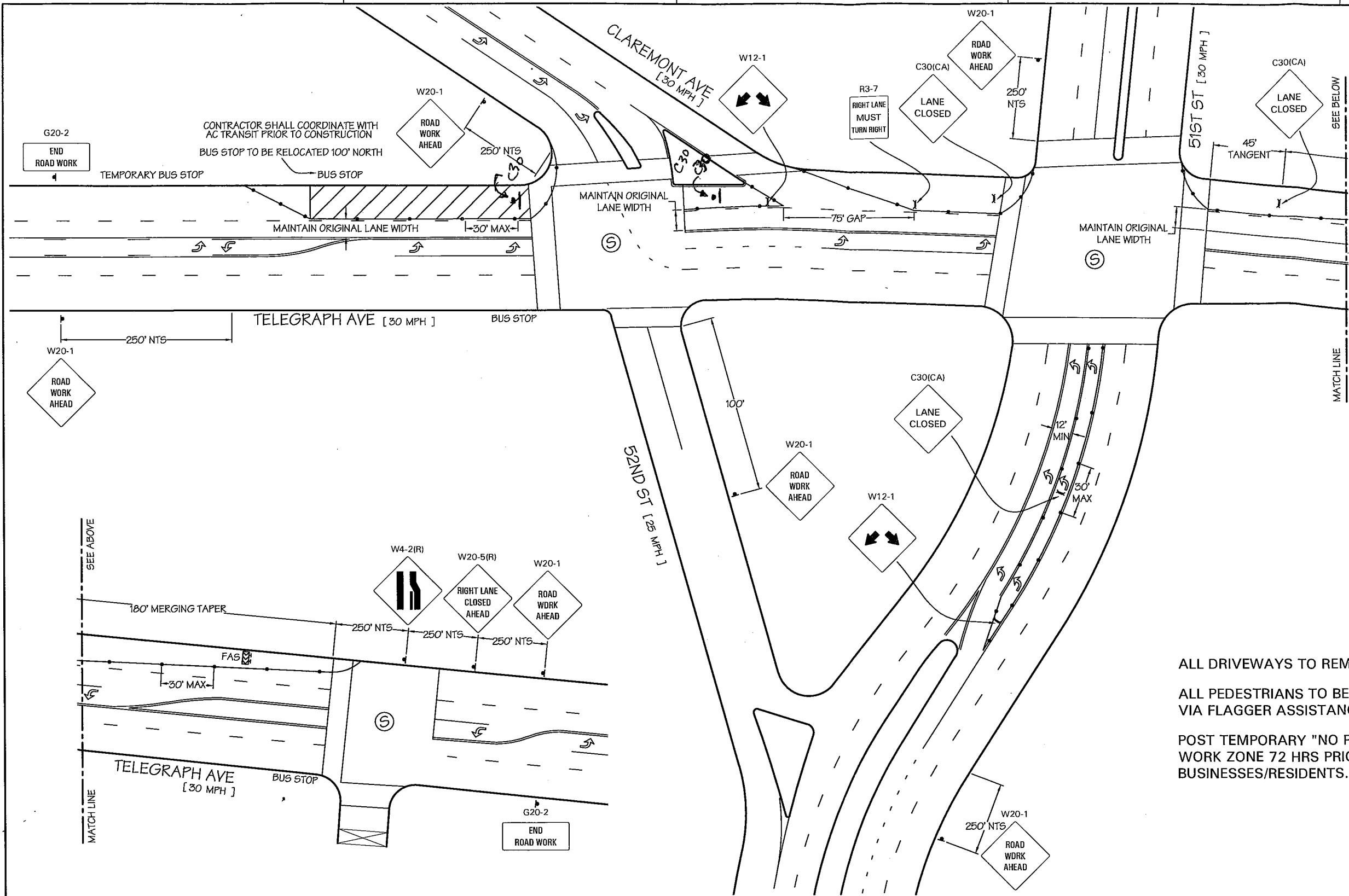
Coordinate all work dates and locations with City of Oakland Right-Of-Way Inspection team.

The Contractor shall also include all check items:

1. Design a construction traffic control plan and submit (2) copies to the Engineer for approval prior to starting any work.
2. Replace all signs, pavement markings, and traffic detector loops damaged or removed due to construction within 3 days of completion of work or the final pavement lift.
3. Provide advance notice to Oakland Police at (510) 777-3333 (24-hrs) and Oakland Fire at (510) 238-3331 (2-rhs) when a single lane of traffic or less is provided on any street.
4. Provide 72-hour advance notice to AC Transit at (510) 891-4909 when affecting a bus stop.
5. For Caltrans roadways, ramps, or maintained facilities, the Contractor shall obtain appropriate permits and notify the Traffic Management Center 24 hours in advance of any work.
6. Flagger control is required. Certified Flagger is required.
7. Pedestrian walkway by K-rail, Canopy or Plywood is required. (See detour plan)
8. Pedestrian traffic shall be maintained and guided through the project at all times.
9. Provide advance notice to Business and Residence within 72-hours.
10. Allow all traffic movement at intersection.

SPECIAL PROVISION 7-10.1 TRAFFIC REQUIREMENTS

Nothing specified herein shall prohibit emergency work and/or repair necessary to ensure public health and safety.

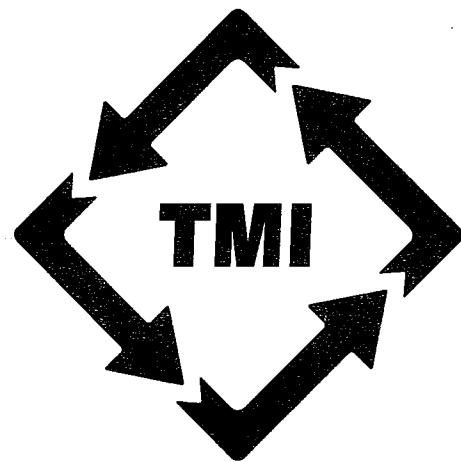


APPROVED: *Jalilake 3/19/2015*
 Transportation Services Division
 CITY OF OAKLAND

ALL DRIVEWAYS TO REMAIN OPEN UNLESS OTHERWISE INDICATED.
 ALL PEDESTRIANS TO BE ESCORTED SAFELY THROUGH WORK SITE VIA FLAGGER ASSISTANCE.
 POST TEMPORARY "NO PARKING" IN ALL AREAS AFFECTED BY WORK ZONE 72 HRS PRIOR TO WORK. NOTIFY ALL AFFECTED BUSINESSES/RESIDENTS.

LEGEND		ADDRESS	WORK AREA TRAFFIC CONTROL: WELL DRILLING
- WORK AREA	- TYPE-III BARRICADE W/ SIGN	TELEGRAPH AVE & CLAREMONT AVE, OAKLAND, CA	CONTACT: BRAND BURFIELD
- HIGH LEVEL WARNING DEVICE	- TYPE-I OR II BARRICADE W/ SIGN		CONTACT#: 510-434-9200 X19
- FLASHING ARROW SIGN (FAS)	- CHANNELIZATION DEVICE	JOB NUMBER: 54458	PLAN#: 17589
- FLAGGER	- SIGN	PERMIT NUMBER:	SHEET 1 OF 1
	- EXISTING SIGN	DATE: 3/3/2015	SIZE: B
			SCALE: 1"=60'
			PREPARED BY: DM

TRAFFIC MANAGEMENT, INC.
 California · Great Lakes · New York
 800.763.3999
 www.trafficmanagement.com
 Traffic Control Services · Sales & Rentals
 Permits & Consulting · Engineering · Training
C31 # 785804



**TRAFFIC
MANAGEMENT**
INCORPORATED

PROFESSIONAL SERVICE INDUSTRIES, INC.

GENERAL NOTES

1	THIS PLAN SUPPLEMENTED WITH 2014 CA MUTCD.
2	THE LOCATION OF THE SIGNS SHOWN ON THE PLAN ARE GUIDELINES AND ACTUAL LOCATION WILL DEPEND UPON ALIGNMENT, GRADE, LOCATION OF THE STREET INTERSECTIONS, AND 85TH PERCENTILE.
3	NOTIFY LOCAL LAW ENFORCEMENT, FIRE, AND AMBULANCE COMPANIES WITHIN 72 HOURS BEFORE CONSTRUCTION BEGINS. KEEP OPEN ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES.
4	CONTINUAL MONITORING AND MAINTENANCE OF THE TRAFFIC CONTROL ZONE WILL BE IMPLEMENTED FOR THE PURPOSE OF MAINTAINING EMERGENCY ACCESS, ACCOMMODATION FOR PEDESTRIANS, BICYCLE TRAFFIC AND THE DISABLED.
5	PROPER TRAINING OF TRAFFIC CONTROLLERS, PROPER DEVICES & PROPER USE OF THE DEVICES, REQUIRED AT ALL TIMES.
6	ALL SIGNS IMPLEMENTED WILL ONLY BE VIEWABLE WHEN IN USE, OTHERWISE ALL WARNING DEVICES ARE TO BE TAKEN DOWN OR COVERED.
7	NOTHING ALLOWED IN BUFFER/TRANSITION AREA AT ANY TIME.
8	ALL CONFLICTING MARKINGS ARE TO BE REMOVED FOR PROJECTS THAT LAST A TERM OF 3 DAYS OR LONGER.
9	SIGNS AND CHANNELIZING DEVICES MUST BE RETRO REFLECTIVE OR ILLUMINATE DURING THE NIGHT. MINIMUM VISIBILITY 1000' (FEET).
10	ONLY ONE SIDEWALK WILL BE CLOSED AT A TIME. PEDESTRIAN AND DISABLED ACCESS TO BE MAINTAINED PER 2014 CA MUTCD STANDARD (SACRAMENTO COUNTY USE STANDARD CONSTRUCTION SPEC 6-12.02) PROVIDED BY CONTRACTOR.
11	CONTACT UNDERGROUND SERVICE ALERT (USA) 48 HOURS PRIOR TO ANY EXCAVATION FOR POTENTIAL UTILITY CONFLICTS.

RECOMMENDED ADVANCE WARNING SIGN SPACING TABLE

(CA MUTCD 2014 EDITION TABLE 6C-1, SEE TABLE FOR ADDITIONAL DETAILS)

ROAD TYPE	DISTANCE BETWEEN SIGNS		
	A	B	C
URBAN (LOW SPEED)-25MPH OR LESS	100	100	100
URBAN (LOW SPEED)-MORE THAN 25MPH TO 40MPH	250	250	250
URBAN (HIGH SPEED)-MORE THAN 40MPH	350	350	350
RURAL	500	500	500
EXPRESSWAY/FREEWAY	1000	1500	2640

DEVICE SPACING TABLE

SPEED (MPH)	FORMULA	BUFFER SPACE	MINIMUM TAPER LENGTHS									MAXIMUM CONE SPACING		SIGN SPACING	2014 MUTCD SECTION 6C.04
			10' OFFSET			11' OFFSET			12' OFFSET			LONG	TAPER		
			L	1/2L	1/3L	L	1/2L	1/3L	L	1/2L	1/3L			LONG	TAPER
25		155'	MERGE	SHIFT	SHOULDER	MERGE	SHIFT	SHOULDER	MERGE	SHIFT	SHOULDER	25'	13'	100'-200'	
30	$L = \frac{WS^2}{60}$	200'	104'	52'	35'	115'	57'	38'	125'	63'	42'	25'	13'	120'-250'	
35		250'	204'	102'	68'	225'	112'	75'	245'	123'	82'	35'	18'	140'-280'	
40		305'	267'	133'	89'	293'	147'	98'	320'	160'	107'	40'	20'	160'-320'	
45		360'	450'	225'	150'	495'	248'	165'	540'	270'	180'	45'	23'	360'-540'	
50		425'	500'	250'	167'	550'	275'	183'	600'	300'	200'	50'	25'	400'-600'	
55		495'	550'	275'	183'	605'	303'	202'	660'	330'	220'	50'	28'	440'-660'	
60		570'	600'	300'	200'	660'	330'	220'	720'	360'	240'	50'	30'	480'-720'	
65		645'	650'	325'	217'	715'	358'	238'	780'	390'	260'	50'	33'	520'-700'	
70		730'	700'	350'	233'	770'	385'	257'	840'	420'	280'	50'	35'	560'-820'	

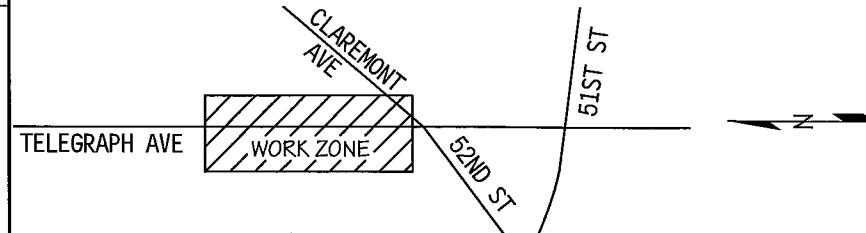
LOW SPEED IS 40 MPH & LESS
HIGH SPEED IS 45 MPH & ABOVE
BOTH ARE BASED ON:
1.) 85TH % TILE OR IF NOT AVAILABLE, THEN USE
2.) POSTED SPEED LIMIT (PSL)
3.) ANTICIPATED SPEED.

S = SPEED
W = WIDTH (OFFSET FROM PATH OF TRAVEL)
L = TAPER LENGTH

LEGEND

	- WORK AREA		- TYPE-III BARRICADE W/ SIGN
	- HIGH LEVEL WARNING DEVICE		- TYPE-I OR II BARRICADE W/ SIGN
	- FLASHING ARROW SIGN (FAS)		- CHANNELIZATION DEVICE
	- FLAGGER		- SIGN
			- EXISTING SIGN

TELEGRAPH AVE & CLAREMONT AVE, OAKLAND, CA

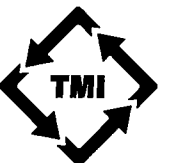


WORK AREA TRAFFIC CONTROL: WELL DRILLING

CONTACT: BRAND BURFIELD		
CONTACT#: 510-434-9200 X19		
JOB NUMBER: 54458	PLAN#: 17589	
PERMIT NUMBER:		
COVER SHEET	SIZE: B	SCALE: N.T.S.
DATE: 3/3/2015	PREPARED BY: DM	

TRAFFIC MANAGEMENT, INC.

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APPENDIX C

WASTE DISPOSAL DOCUMENTATION





25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

13 February 2014

Brand Burfield
PSI -- Oakland
4703 Tidewater Ave Ste B
Oakland, CA 94601
RE: Tristar

Enclosed are the results of analyses for samples received by the laboratory on 02/10/14 09:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Katherine RunningCrane
Project Manager



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

PSI -- Oakland 4703 Tidewater Ave Ste B Oakland CA, 94601	Project: Tristar Project Number: 575-102-9 Project Manager: Brand Burfield	Reported: 02/13/14 14:42
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	T140237-01	Water	02/07/14 11:35	02/10/14 09:00
MW-2	T140237-02	Water	02/07/14 10:45	02/10/14 09:00
MW-3	T140237-03	Water	02/07/14 12:40	02/10/14 09:00
MW-4	T140237-04	Water	02/07/14 12:15	02/10/14 09:00

Katherine RunningCrame



25712 Commercentre Drive
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 949.297.5027 Fax

PSI -- Oakland
 4703 Tidewater Ave Ste B
 Oakland CA, 94601

Project: Tristar
 Project Number: 575-102-9
 Project Manager: Brand Burfield

Reported:
 02/13/14 14:42

MW-1
T140237-01(Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	0.013	0.50	mg/l	1	4021009	02/10/14	02/11/14	EPA 8015C	
C13-C28 (DRO)	ND	0.016	0.50	"	"	"	"	"	"	
C29-C40 (MORO)	ND	0.013	0.50	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>			68.8 %	65-135		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND		1.0	ug/l	1	4021014	02/10/14	02/11/14	EPA 8260B	
Bromochloromethane	ND		1.0	"	"	"	"	"	"	
Bromodichloromethane	ND		1.0	"	"	"	"	"	"	
Bromoform	ND		1.0	"	"	"	"	"	"	
Bromomethane	ND		1.0	"	"	"	"	"	"	
n-Butylbenzene	1.4		1.0	"	"	"	"	"	"	
sec-Butylbenzene	1.8		1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND		1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND		0.50	"	"	"	"	"	"	
Chlorobenzene	ND		1.0	"	"	"	"	"	"	
Chloroethane	ND		1.0	"	"	"	"	"	"	
Chloroform	ND		1.0	"	"	"	"	"	"	
Chloromethane	ND		1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND		1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND		1.0	"	"	"	"	"	"	
Dibromochloromethane	ND		1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND		5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND		1.0	"	"	"	"	"	"	
Dibromomethane	ND		1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND		1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND		1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND		1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND		0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND		1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND		0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND		1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND		1.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Katherine RunningCrame



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PSI -- Oakland
 4703 Tidewater Ave Ste B
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Project: Tristar
 Project Number: 575-102-9
 Project Manager: Brand Burfield

Reported:
 02/13/14 14:42

MW-1
T140237-01(Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

trans-1,2-Dichloroethene	ND		1.0	ug/l	1	4021014	02/10/14	02/11/14	EPA 8260B	
1,2-Dichloropropane	ND		1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND		1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND		1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND		1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND		0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND		0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND		1.0	"	"	"	"	"	"	
Isopropylbenzene	2.8		1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND		1.0	"	"	"	"	"	"	
Methylene chloride	ND		1.0	"	"	"	"	"	"	
Naphthalene	ND		1.0	"	"	"	"	"	"	
n-Propylbenzene	3.5		1.0	"	"	"	"	"	"	
Styrene	ND		1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND		1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND		1.0	"	"	"	"	"	"	
Tetrachloroethene	ND		1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND		1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND		1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND		1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND		1.0	"	"	"	"	"	"	
Trichloroethene	ND		1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND		1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND		1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND		1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND		1.0	"	"	"	"	"	"	
Vinyl chloride	ND		1.0	"	"	"	"	"	"	
Benzene	ND		0.50	"	"	"	"	"	"	
Toluene	ND		0.50	"	"	"	"	"	"	
Ethylbenzene	ND		0.50	"	"	"	"	"	"	
m,p-Xylene	ND		1.0	"	"	"	"	"	"	
o-Xylene	ND		0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND		2.0	"	"	"	"	"	"	

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Katherine RunningCrame



25712 Commercentre Drive
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 949.297.5027 Fax

PSI -- Oakland 4703 Tidewater Ave Ste B Oakland CA, 94601	Project: Tristar Project Number: 575-102-9 Project Manager: Brand Burfield	Reported: 02/13/14 14:42
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MW-1
T140237-01(Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Tert-butyl alcohol	ND		10	ug/l	1	4021014	02/10/14	02/11/14	EPA 8260B	
Di-isopropyl ether	ND		2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND		2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND		1.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>			<i>111 %</i>							
<i>Surrogate: Dibromofluoromethane</i>			<i>101 %</i>							
<i>Surrogate: Toluene-d8</i>			<i>98.1 %</i>							

Katherine RunningCrame



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PSI -- Oakland 4703 Tidewater Ave Ste B Oakland CA, 94601	Project: Tristar Project Number: 575-102-9 Project Manager: Brand Burfield	Reported: 02/13/14 14:42
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MW-2
T140237-02(Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	0.013	0.50	mg/l	1	4021009	02/10/14	02/11/14	EPA 8015C	
C13-C28 (DRO)	ND	0.016	0.50	"	"	"	"	"	"	
C29-C40 (MORO)	ND	0.013	0.50	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl			66.0 %	65-135		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND		1.0	ug/l	1	4021014	02/10/14	02/11/14	EPA 8260B	
Bromochloromethane	ND		1.0	"	"	"	"	"	"	
Bromodichloromethane	ND		1.0	"	"	"	"	"	"	
Bromoform	ND		1.0	"	"	"	"	"	"	
Bromomethane	ND		1.0	"	"	"	"	"	"	
n-Butylbenzene	ND		1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND		1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND		1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND		0.50	"	"	"	"	"	"	
Chlorobenzene	ND		1.0	"	"	"	"	"	"	
Chloroethane	ND		1.0	"	"	"	"	"	"	
Chloroform	ND		1.0	"	"	"	"	"	"	
Chloromethane	ND		1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND		1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND		1.0	"	"	"	"	"	"	
Dibromochloromethane	ND		1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND		5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND		1.0	"	"	"	"	"	"	
Dibromomethane	ND		1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND		1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND		1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND		1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND		0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND		1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND		0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND		1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND		1.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Katherine RunningCrame



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PSI -- Oakland
 4703 Tidewater Ave Ste B
 Oakland CA, 94601

Project: Tristar
 Project Number: 575-102-9
 Project Manager: Brand Burfield

Reported:
 02/13/14 14:42

MW-2
T140237-02(Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

trans-1,2-Dichloroethene	ND		1.0	ug/l	1	4021014	02/10/14	02/11/14	EPA 8260B	
1,2-Dichloropropane	ND		1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND		1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND		1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND		1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND		0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND		0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND		1.0	"	"	"	"	"	"	
Isopropylbenzene	ND		1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND		1.0	"	"	"	"	"	"	
Methylene chloride	ND		1.0	"	"	"	"	"	"	
Naphthalene	ND		1.0	"	"	"	"	"	"	
n-Propylbenzene	ND		1.0	"	"	"	"	"	"	
Styrene	ND		1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND		1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND		1.0	"	"	"	"	"	"	
Tetrachloroethene	ND		1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND		1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND		1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND		1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND		1.0	"	"	"	"	"	"	
Trichloroethene	ND		1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND		1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND		1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND		1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND		1.0	"	"	"	"	"	"	
Vinyl chloride	ND		1.0	"	"	"	"	"	"	
Benzene	ND		0.50	"	"	"	"	"	"	
Toluene	ND		0.50	"	"	"	"	"	"	
Ethylbenzene	ND		0.50	"	"	"	"	"	"	
m,p-Xylene	ND		1.0	"	"	"	"	"	"	
o-Xylene	ND		0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND		2.0	"	"	"	"	"	"	

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MW-2
T140237-02(Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Tert-butyl alcohol	ND		10	ug/l	1	4021014	02/10/14	02/11/14	EPA 8260B	
Di-isopropyl ether	ND		2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND		2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND		1.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>			<i>115 %</i>							
<i>Surrogate: Dibromofluoromethane</i>			<i>101 %</i>							
<i>Surrogate: Toluene-d8</i>			<i>97.0 %</i>							

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Project: Tristar
 Project Number: 575-102-9
 Project Manager: Brand Burfield

Reported:
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MW-3
T140237-03(Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	0.013	0.50	mg/l	1	4021009	02/10/14	02/11/14	EPA 8015C	
C13-C28 (DRO)	0.68	0.016	0.50	"	"	"	"	"	"	
C29-C40 (MORO)	0.048	0.013	0.50	"	"	"	"	"	"	

Surrogate: *p*-Terphenyl 66.0 % 65-135 " " " "

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND		1.0	ug/l	1	4021014	02/10/14	02/11/14	EPA 8260B	
Bromochloromethane	ND		1.0	"	"	"	"	"	"	
Bromodichloromethane	ND		1.0	"	"	"	"	"	"	
Bromoform	ND		1.0	"	"	"	"	"	"	
Bromomethane	ND		1.0	"	"	"	"	"	"	
n-Butylbenzene	14		1.0	"	"	"	"	"	"	
sec-Butylbenzene	9.1		1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND		1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND		0.50	"	"	"	"	"	"	
Chlorobenzene	ND		1.0	"	"	"	"	"	"	
Chloroethane	ND		1.0	"	"	"	"	"	"	
Chloroform	ND		1.0	"	"	"	"	"	"	
Chloromethane	ND		1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND		1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND		1.0	"	"	"	"	"	"	
Dibromochloromethane	ND		1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND		5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND		1.0	"	"	"	"	"	"	
Dibromomethane	ND		1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND		1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND		1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND		1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND		0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND		1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND		0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND		1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND		1.0	"	"	"	"	"	"	

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MW-3
T140237-03(Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

trans-1,2-Dichloroethene	ND		1.0	ug/l	1	4021014	02/10/14	02/11/14	EPA 8260B	
1,2-Dichloropropane	ND		1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND		1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND		1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND		1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND		0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND		0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND		1.0	"	"	"	"	"	"	
Isopropylbenzene	22		1.0	"	"	"	"	"	"	
p-Isopropyltoluene	5.7		1.0	"	"	"	"	"	"	
Methylene chloride	ND		1.0	"	"	"	"	"	"	
Naphthalene	ND		1.0	"	"	"	"	"	"	
n-Propylbenzene	45		1.0	"	"	"	"	"	"	
Styrene	ND		1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND		1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND		1.0	"	"	"	"	"	"	
Tetrachloroethene	ND		1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND		1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND		1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND		1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND		1.0	"	"	"	"	"	"	
Trichloroethene	ND		1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND		1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND		1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND		1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND		1.0	"	"	"	"	"	"	
Vinyl chloride	ND		1.0	"	"	"	"	"	"	
Benzene	ND		0.50	"	"	"	"	"	"	
Toluene	ND		0.50	"	"	"	"	"	"	
Ethylbenzene	1.9		0.50	"	"	"	"	"	"	
m,p-Xylene	4.4		1.0	"	"	"	"	"	"	
o-Xylene	ND		0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND		2.0	"	"	"	"	"	"	

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MW-3
T140237-03(Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Tert-butyl alcohol	ND		10	ug/l	1	4021014	02/10/14	02/11/14	EPA 8260B	
Di-isopropyl ether	ND		2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND		2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND		1.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>			74.2 %		83.5-119	"	"	"	"	S-GC
<i>Surrogate: Dibromofluoromethane</i>			96.2 %		81-136	"	"	"	"	
<i>Surrogate: Toluene-d8</i>			95.4 %		88.8-117	"	"	"	"	

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 Project Number: 575-102-9
 Project Manager: Brand Burfield

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MW-4
T140237-04(Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	0.013	0.50	mg/l	1	4021009	02/10/14	02/11/14	EPA 8015C	
C13-C28 (DRO)	ND	0.016	0.50	"	"	"	"	"	"	
C29-C40 (MORO)	ND	0.013	0.50	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl			66.0 %	65-135		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND		1.0	ug/l	1	4021014	02/10/14	02/11/14	EPA 8260B	
Bromochloromethane	ND		1.0	"	"	"	"	"	"	
Bromodichloromethane	ND		1.0	"	"	"	"	"	"	
Bromoform	ND		1.0	"	"	"	"	"	"	
Bromomethane	ND		1.0	"	"	"	"	"	"	
n-Butylbenzene	2.5		1.0	"	"	"	"	"	"	
sec-Butylbenzene	3.1		1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND		1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND		0.50	"	"	"	"	"	"	
Chlorobenzene	ND		1.0	"	"	"	"	"	"	
Chloroethane	ND		1.0	"	"	"	"	"	"	
Chloroform	ND		1.0	"	"	"	"	"	"	
Chloromethane	ND		1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND		1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND		1.0	"	"	"	"	"	"	
Dibromochloromethane	ND		1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND		5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND		1.0	"	"	"	"	"	"	
Dibromomethane	ND		1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND		1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND		1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND		1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND		0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND		1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND		0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND		1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND		1.0	"	"	"	"	"	"	

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 Project Number: 575-102-9
 Project Manager: Brand Burfield

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MW-4
T140237-04(Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

trans-1,2-Dichloroethene	ND		1.0	ug/l	1	4021014	02/10/14	02/11/14	EPA 8260B	
1,2-Dichloropropane	ND		1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND		1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND		1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND		1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND		0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND		0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND		1.0	"	"	"	"	"	"	
Isopropylbenzene	2.2		1.0	"	"	"	"	"	"	
p-Isopropyltoluene	1.6		1.0	"	"	"	"	"	"	
Methylene chloride	ND		1.0	"	"	"	"	"	"	
Naphthalene	ND		1.0	"	"	"	"	"	"	
n-Propylbenzene	4.1		1.0	"	"	"	"	"	"	
Styrene	ND		1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND		1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND		1.0	"	"	"	"	"	"	
Tetrachloroethene	ND		1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND		1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND		1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND		1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND		1.0	"	"	"	"	"	"	
Trichloroethene	ND		1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND		1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND		1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND		1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND		1.0	"	"	"	"	"	"	
Vinyl chloride	ND		1.0	"	"	"	"	"	"	
Benzene	ND		0.50	"	"	"	"	"	"	
Toluene	ND		0.50	"	"	"	"	"	"	
Ethylbenzene	ND		0.50	"	"	"	"	"	"	
m,p-Xylene	ND		1.0	"	"	"	"	"	"	
o-Xylene	ND		0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND		2.0	"	"	"	"	"	"	

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MW-4
T140237-04(Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Tert-butyl alcohol	ND		10	ug/l	1	4021014	02/10/14	02/11/14	EPA 8260B	
Di-isopropyl ether	ND		2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND		2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND		1.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>			99.8 %		83.5-119	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>			95.5 %		81-136	"	"	"	"	
<i>Surrogate: Toluene-d8</i>			97.4 %		88.8-117	"	"	"	"	

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 Project Number: 575-102-9
 Project Manager: Brand Burfield

Reported:
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Extractable Petroleum Hydrocarbons by 8015C - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4021009 - EPA 3510C GC

Blank (4021009-BLK1)

Prepared: 02/10/14 Analyzed: 02/11/14

Surrogate: <i>p</i> -Terphenyl	2.86			mg/l	4.00		71.4	65-135			
C13-C28 (DRO)	ND	0.016	0.50	"							
C29-C40 (MORO)	ND	0.013	0.50	"							

LCS (4021009-BS1)

Prepared: 02/10/14 Analyzed: 02/11/14

Surrogate: <i>p</i> -Terphenyl	2.64			mg/l	4.00		66.0	65-135			
C13-C28 (DRO)	18.2	0.016	0.50	"	20.0		91.2	75-125			

Matrix Spike (4021009-MS1)

Source: T140234-11RE

Prepared: 02/10/14 Analyzed: 02/11/14

Surrogate: <i>p</i> -Terphenyl	2.64			mg/l	4.00		66.0	65-135			
C13-C28 (DRO)	17.5	0.016	0.50	"	20.0	ND	87.3	75-125			

Matrix Spike Dup (4021009-MSD1)

Source: T140234-11RE

Prepared: 02/10/14 Analyzed: 02/11/14

Surrogate: <i>p</i> -Terphenyl	2.65			mg/l	4.00		66.2	65-135			
C13-C28 (DRO)	17.3	0.016	0.50	"	20.0	ND	86.5	75-125	0.900	20	

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 Project Number: 575-102-9
 Project Manager: Brand Burfield

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Volatile Organic Compounds by EPA Method 8260B - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4021014 - EPA 5030 GCMS

Blank (4021014-BLK1)

Prepared: 02/10/14 Analyzed: 02/11/14

Surrogate: 4-Bromofluorobenzene	8.00			ug/l	8.00		100	83.5-119			
Surrogate: Dibromofluoromethane	6.62			"	8.00		82.8	81-136			
Surrogate: Toluene-d8	7.87			"	8.00		98.4	88.8-117			
Bromobenzene	ND		1.0	"							
Bromochloromethane	ND		1.0	"							
Bromodichloromethane	ND		1.0	"							
Bromoform	ND		1.0	"							
Bromomethane	ND		1.0	"							
n-Butylbenzene	ND		1.0	"							
sec-Butylbenzene	ND		1.0	"							
tert-Butylbenzene	ND		1.0	"							
Carbon tetrachloride	ND		0.50	"							
Chlorobenzene	ND		1.0	"							
Chloroethane	ND		1.0	"							
Chloroform	ND		1.0	"							
Chloromethane	ND		1.0	"							
2-Chlorotoluene	ND		1.0	"							
4-Chlorotoluene	ND		1.0	"							
Dibromochloromethane	ND		1.0	"							
1,2-Dibromo-3-chloropropane	ND		5.0	"							
1,2-Dibromoethane (EDB)	ND		1.0	"							
Dibromomethane	ND		1.0	"							
1,2-Dichlorobenzene	ND		1.0	"							
1,3-Dichlorobenzene	ND		1.0	"							
1,4-Dichlorobenzene	ND		1.0	"							
Dichlorodifluoromethane	ND		0.50	"							
1,1-Dichloroethane	ND		1.0	"							

SunStar Laboratories, Inc.

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Katherine RunningCrame



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

PSI -- Oakland
 4703 Tidewater Ave Ste B
 Oakland CA, 94601

Project: Tristar
 Project Number: 575-102-9
 Project Manager: Brand Burfield

Reported:
 02/13/14 14:42

Volatile Organic Compounds by EPA Method 8260B - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4021014 - EPA 5030 GCMS

Blank (4021014-BLK1)

Prepared: 02/10/14 Analyzed: 02/11/14

1,2-Dichloroethane	ND		0.50	ug/l							
1,1-Dichloroethene	ND		1.0	"							
cis-1,2-Dichloroethene	ND		1.0	"							
trans-1,2-Dichloroethene	ND		1.0	"							
1,2-Dichloropropane	ND		1.0	"							
1,3-Dichloropropane	ND		1.0	"							
2,2-Dichloropropane	ND		1.0	"							
1,1-Dichloropropene	ND		1.0	"							
cis-1,3-Dichloropropene	ND		0.50	"							
trans-1,3-Dichloropropene	ND		0.50	"							
Hexachlorobutadiene	ND		1.0	"							
Isopropylbenzene	ND		1.0	"							
p-Isopropyltoluene	ND		1.0	"							
Methylene chloride	ND		1.0	"							
Naphthalene	ND		1.0	"							
n-Propylbenzene	ND		1.0	"							
Styrene	ND		1.0	"							
1,1,2,2-Tetrachloroethane	ND		1.0	"							
1,1,1,2-Tetrachloroethane	ND		1.0	"							
Tetrachloroethene	ND		1.0	"							
1,2,3-Trichlorobenzene	ND		1.0	"							
1,2,4-Trichlorobenzene	ND		1.0	"							
1,1,2-Trichloroethane	ND		1.0	"							
1,1,1-Trichloroethane	ND		1.0	"							
Trichloroethene	ND		1.0	"							
Trichlorofluoromethane	ND		1.0	"							
1,2,3-Trichloropropane	ND		1.0	"							

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Volatile Organic Compounds by EPA Method 8260B - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 4021014 - EPA 5030 GCMS

Blank (4021014-BLK1)

Prepared: 02/10/14 Analyzed: 02/11/14

1,3,5-Trimethylbenzene	ND		1.0	ug/l							
1,2,4-Trimethylbenzene	ND		1.0	"							
Vinyl chloride	ND		1.0	"							
Benzene	ND		0.50	"							
Toluene	ND		0.50	"							
Ethylbenzene	ND		0.50	"							
m,p-Xylene	ND		1.0	"							
o-Xylene	ND		0.50	"							
Tert-amyl methyl ether	ND		2.0	"							
Tert-butyl alcohol	ND		10	"							
Di-isopropyl ether	ND		2.0	"							
Ethyl tert-butyl ether	ND		2.0	"							
Methyl tert-butyl ether	ND		1.0	"							

LCS (4021014-BS1)

Prepared: 02/10/14 Analyzed: 02/11/14

Surrogate: 4-Bromofluorobenzene	8.23			ug/l	8.00		103	83.5-119			
Surrogate: Dibromofluoromethane	7.75			"	8.00		96.9	81-136			
Surrogate: Toluene-d8	8.13			"	8.00		102	88.8-117			
Trichloroethene	19.4		1.0	"	20.0		97.2	75-125			

Matrix Spike (4021014-MS1)

Source: T140238-01

Prepared: 02/10/14 Analyzed: 02/11/14

Surrogate: 4-Bromofluorobenzene	9.22			ug/l	8.00		115	83.5-119			
Surrogate: Dibromofluoromethane	8.02			"	8.00		100	81-136			
Surrogate: Toluene-d8	7.99			"	8.00		99.9	88.8-117			
Trichloroethene	20.8		1.0	"	20.0	0.780	100	75-125			

Matrix Spike Dup (4021014-MSD1)

Source: T140238-01

Prepared: 02/10/14 Analyzed: 02/11/14

Surrogate: 4-Bromofluorobenzene	8.95			ug/l	8.00		112	83.5-119			
Surrogate: Dibromofluoromethane	7.63			"	8.00		95.4	81-136			
Surrogate: Toluene-d8	7.59			"	8.00		94.9	88.8-117			

SunStar Laboratories, Inc.

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 Lake Forest, California 92630
 949.297.5020 Phone
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PSI -- Oakland 4703 Tidewater Ave Ste B Oakland CA, 94601	Project: Tristar Project Number: 575-102-9 Project Manager: Brand Burfield	Reported: 02/13/14 14:42
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Volatile Organic Compounds by EPA Method 8260B - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4021014 - EPA 5030 GCMS

Matrix Spike Dup (4021014-MSD1)		Source: T140238-01			Prepared: 02/10/14		Analyzed: 02/11/14				
Trichloroethene	20.0		1.0	ug/l	20.0	0.780	95.9	75-125	3.98	20	

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Lake Forest, California 92630
949.297.5020 Phone
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PSI -- Oakland
4703 Tidewater Ave Ste B
Oakland CA, 94601

Project: Tristar
Project Number: 575-102-9
Project Manager: Brand Burfield

Reported:
02/13/14 14:42

Notes and Definitions

- S-GC Surrogate recovery outside of established control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

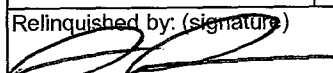

Katherine RunningCrame

SunStar Laboratories, Inc.
 25712 Commercentre Dr
 Lake Forest, CA 92630
 949-297-5020

Chain of Custody Record

Client: PSI
 Address: 4103 TIDEWATER AVE. STE B. OAKLAND, CA 94601
 Phone: 510 434-9700 Fax: 510 434-7676
 Project Manager: BRAND BYRFIELD

Date: 2/17/14 Page: 1 Of 1
 Project Name: TRISTAR
 Collector: RUBEN DOMATHAN Client Project #: 575-102-9
 Batch #: T140237 EDF #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	Laboratory ID #	Comments/Preservative	Total # of containers	
MW-1	2/17/14	11:35	WATER	VOA	X	X					X			01		4	
MW-2	↓	10:45	↓	↓	X	X					X			02		4	
MW-3	↓	12:40	↓	↓	X	X					X			03		4	
MW-4	↓	12:15	↓	↓	X	X					X			04		4	
Relinquished by: (signature)  Date / Time: <u>2/17/14 17:00</u>					Received by: (signature) <u>GSD #107416654</u> Date / Time: <u>2/17/14 17:00</u>					Total # of containers: <u>16</u>		Chain of Custody seals Y/N/NA: <u>y</u>		Notes: <u>CREATE EDF</u>			
Relinquished by: (signature) <u>GSD</u> Date / Time: <u>2/10/14 9:00</u>					Received by: (signature)  Date / Time: <u>2/10/14 9:00</u>					Seals intact? Y/N/NA: <u>y</u>		Received good condition/cold: <u>5.2</u>		Notes: <u>RL = 0.05 mg/L FOR TPA-6</u>			
Relinquished by: (signature) _____ Date / Time: _____					Received by: (signature) _____ Date / Time: _____					Turn around time: <u>STD</u>		Notes: <u>RL = 0.10 mg/L FOR TPA-MO</u>					

Sample disposal Instructions: Disposal @ \$2.00 each _____ Return to client _____ Pickup _____

COC 132446

SAMPLE RECEIVING REVIEW SHEET

BATCH # T140237

Client Name: PSI - OAKLAND

Project: TRISTAR

Received by: BRIAN

Date/Time Received: 2/10/14 9:00

Delivered by : Client SunStar Courier GSO FedEx Other _____

Total number of coolers received 1 Temp criteria = 6°C > 0°C (no frozen containers)

Temperature: cooler #1 5.4 °C +/- the CF (-0.2°C) = 5.2 °C corrected temperature

cooler #2 _____ °C +/- the CF (-0.2°C) = _____ °C corrected temperature

cooler #3 _____ °C +/- the CF (-0.2°C) = _____ °C corrected temperature

Samples outside temp. but received on ice, w/in 6 hours of final sampling. Yes No* N/A

Custody Seals Intact on Cooler/Sample Yes No* N/A

Sample Containers Intact Yes No*

Sample labels match COC ID's Yes No*

Total number of containers received match COC Yes No*

Proper containers received for analyses requested on COC Yes No*

Proper preservative indicated on COC/containers for analyses requested Yes No* N/A

Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times. Yes No*

* Complete Non-Conformance Receiving Sheet if checked

Cooler/Sample Review - Initials and date BC 2/10/14

Comments:

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number
E X E M P T

2. Page 1 of
1

3. Emergency Response Phone
NRCES 510-749-1390

4. Waste Tracking Number
93112-01 C&O

5. Generator's Name and Mailing Address
**TRI STAR PARTNERSHIP
30 ARJANG COURT
ALAMO CA 94507**

At: GEORGE TUMA

Generator's Site Address (if different than mailing address)
**FORMER AUTOPRO
5200 TELEGRAPH AVENUE
OAKLAND CA**

Generator's Phone: **510 434-9200**

6. Transporter 1 Company Name
NRC Environmental Services

U.S. EPA ID Number
CARD000030114

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
**Crosby & Overton, Inc.
1630 W. 17th Street
Long Beach CA 90813**

U.S. EPA ID Number

Facility's Phone: **562 432-5445**

CAD028409019

9. Waste Shipping Name and Description

10. Containers

11. Total Quantity

12. Unit Wt./Vol.

No. Type

1. NON HAZARDOUS WASTE SOLID (SOIL CUTTINGS/ DEBRIS)

003 DM

1000 P

2. NON HAZARDOUS WASTE LIQUID (PURGE WATER)

002 DM

0100 G

3.

4.

13. Special Handling Instructions and Additional Information

**WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT JOB#/PO#: 93112 PROFILE#: 1) 51544 2) 51545
CONSULTANT: PSI, 4703 TIDEWATER AVENUE, SUITE B, OAKLAND, CA. 94601 (3x65) (2x55)
NRCES 1605 FERRY POINT ALAMEDA, CA. 94501**

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offoror's Printed/Typed Name

Signature

Month Day Year

David Dellorso on behalf of TRI STAR

[Signature]

04 21 15

GENERATOR

15. International Shipments Import to U.S. Export from U.S.

Port of entry/exit:

Transporter Signature (for exports only):

Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

Marcial Bermagan

[Signature]

04 21 15

Transporter 2 Printed/Typed Name

Signature

Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year