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By Alameda County Environmental Health at 2:17 pm, Nov 24, 2014

November 21, 2014

Ms. Karel Detterman
Hazardous Materials Specialist
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

**Re: Data Gap Investigation Work Plan
Former Penske Truck Leasing Facility
725 Julie Ann Way, Oakland, California
Alameda County Site ID RO0000354
Stantec PN: 185702640.200.0003**

Dear Ms. Detterman:

Enclosed with this cover letter is the Data Gap Investigation Work Plan for the above-referenced former Penske Truck Leasing location.

As an authorized representative of Penske Truck Leasing Co, LP, I offer the following statement:

I, Chris Hawk, declare, under penalty of perjury, that the information and/or recommendations contained in the enclosed Report are true and correct to the best of my knowledge

Should you have any questions, please contact me at 610-775-6123.

Best Regards,

Chris Hawk
Environmental Engineer



Stantec

Stantec Consulting Services Inc.

1340 Treat Boulevard, Suite 300, Walnut Creek CA 94597-7966

November 20, 2014
File: 185702858.200.0003

Ms. Karel Detterman
Hazardous Materials Specialist
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

**Reference: Data Gap Investigation Work Plan
Former Penske Truck Leasing Facility 725 Julie Ann Way, Oakland, California
Alameda County Site ID RO0000354**

Dear Ms. Detterman:

Stantec Consulting Services Inc. (Stantec), on behalf of Penske Truck Leasing Company (Penske), has prepared this *Data Gap Investigation Work Plan* (Work Plan) for the Former Penske Truck Leasing Facility (the Site) located at 725 Julie Ann Way in Oakland, California. This Work Plan was prepared in response to your November 6, 2014 email message which stated that the ACEH is concerned that residual fuel hydrocarbons in shallow groundwater may be reaching a flood control channel located immediately west of the site, via migration through the drainage channel's earthen bank. The ACEH requested this Work Plan to characterize shallow groundwater quality along the western site boundary with a minimum of four soil borings.

The tasks summarized in this Work Plan consist of the following:

- A site survey to determine the elevation of the bottom of the drainage channel relative to the Site;
- Pre-field activities including updating the health and safety plan, marking the Site for Underground Service Alert, and utility clearance;
- Advancement of four soil borings for potential grab groundwater sample collection; and
- Report preparation.

Site Survey

Stantec will contract with a licensed land surveyor to survey the elevations of the bottom of the adjacent drainage channel and the western portion of the former Penske property. Survey data will be used to confirm the maximum depth of investigation.

Pre-Field Activities

Stantec will update the existing Site-specific health and safety plan (HASP) to address the new scope of work. The locations of all proposed boring locations will be marked with white paint and Underground Service Alert (USA) will be notified at least 72 hours prior to beginning field work. Additionally, a subsurface utility locator will confirm that drilling locations are free of detectable



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Reference: **Data Gap Investigation Work Plan**
 Former Penske Truck Leasing Facility 725 Julie Ann Way, Oakland, California
 Alameda County Site ID RO0000354

subsurface utilities or obstructions. Stantec will arrange access to the warehouse building in the western portion of the Site, which is occupied by Right Way Reddy Mix. Stantec will obtain soil boring permits from the Alameda County Public Works Agency (ACPWA).

Soil Borings and Grab Groundwater Sample Collection

The four proposed boring locations are shown on Figure 1. The final locations will be confirmed after obtaining building access information from the current tenant. Every effort will be made to locate the borings approximately 30 feet from each other along a transect parallel to and within 10-20 feet of the edge of the drainage channel, per the November 6, 2014 email from ACEH.

Stantec proposes advancing soil borings to a depth corresponding to the bottom of the adjacent drainage channel, not to exceed 10 feet below ground surface (ft bgs). This approach ensures that groundwater being investigated is that with the potential to be in communication with water present in the drainage channel. Boreholes will be continuously cored using a limited access hydraulic (direct-push) drilling rig. The upper five feet of each borehole will be advanced using a hand auger to confirm the absence of shallow subsurface utilities or obstructions.

A Stantec geologist will log the soils encountered from the continuous core to total depth according to the Unified Soil Classification System (USCS) and will maintain a soil boring log of these descriptions. Odor or staining will be noted, and soils will be screened for organic vapors using a photoionization detector (PID).

After reaching terminal depth, the sampling rods will be removed and a ¾-inch PVC casing with 5 feet of slotted screen will be inserted in the borehole for grab groundwater sample collection. Groundwater sample collection will be attempted within 1 to 2 hours of low tide. If sufficient groundwater is present for sample collection, groundwater samples will be collected using dedicated, disposable bailers. Following sample collection, the sampling rods and screen will be removed from the borehole and decontaminated using a pressure-washing system. Upon completion, each soil boring will be backfilled in accordance with permit requirements.

Analytical Program

Groundwater samples will be labeled, immediately placed on ice, and submitted to a State of California-certified laboratory under chain-of-custody documentation. Groundwater samples will be analyzed for the following constituents:

- Total petroleum hydrocarbons as diesel (TPHd) by USEPA Method 8015M with silica gel treatment;
- TPH as gasoline (TPHg), by USEPA Method 8015M; and
- Total dissolved solids (TDS) by USEPA Method 160.1



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Reference: **Data Gap Investigation Work Plan**
 Former Penske Truck Leasing Facility 725 Julie Ann Way, Oakland, California
 Alameda County Site ID RO0000354

Waste Management and Disposal

Soil cuttings and decontamination fluids generated during advancement of the borings will be stored in California DOT-approved 55-gallon steel drums and stored on-site pending characterization and disposal.

Reporting

Stantec will prepare a letter report describing field activities and presenting field observations and chemical data. The report will include the results of the site survey, field and laboratory data, and figures illustrating the locations of the borings and select chemical of concern detected at sample locations.

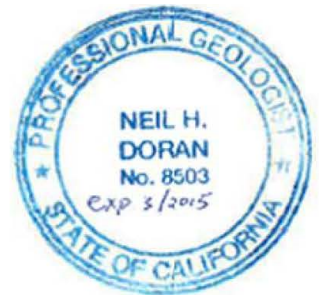
If you have any questions regarding this document, please contact the undersigned.

Regards,

STANTEC CONSULTING SERVICES INC.

Eva Hey
Project Manager
Tel: (925) 299-9300
Fax: (925) 299-9302
eva.hey@stantec.com

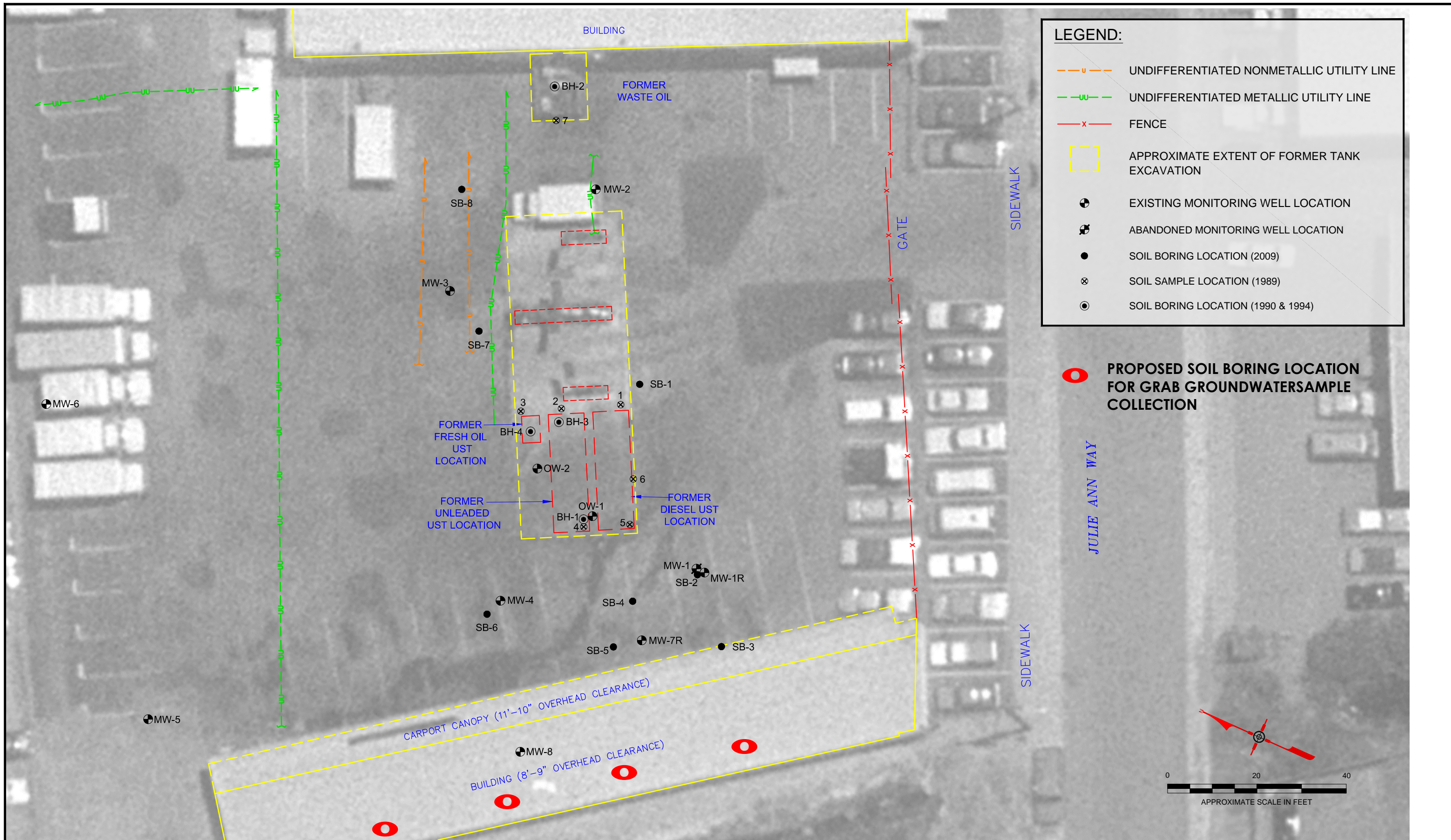
Neil Doran, P.G., #8503
Senior Geologist
Tel: (916) 384-0722
Fax: (916) 861-0430
neil.doran@stantec.com



cc: Mr. Christopher Hawk, Penske Truck Leasing, Reading PA

Attachments

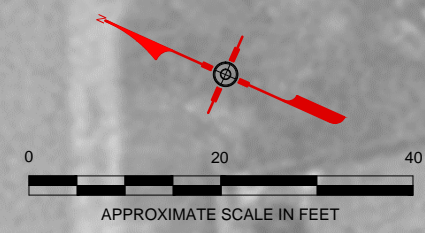
Figure 1 1983 Aerial Image with Sampling Locations



LEGEND:

- UNDIFFERENTIATED NONMETALLIC UTILITY LINE
- UNDIFFERENTIATED METALLIC UTILITY LINE
- x FENCE
- APPROXIMATE EXTENT OF FORMER TANK EXCAVATION
- EXISTING MONITORING WELL LOCATION
- ABANDONED MONITORING WELL LOCATION
- SOIL BORING LOCATION (2009)
- x SOIL SAMPLE LOCATION (1989)
- o SOIL BORING LOCATION (1990 & 1994)

PROPOSED SOIL BORING LOCATION FOR GRAB GROUNDWATER SAMPLE COLLECTION



REFERENCE:
 1983 AERIAL PROVIDED BY HERB LINGL WITH AERIAL ARCHIVES; PETALUMA AIRPORT
 ALL SITE FEATURES AND WELL LOCATIONS, EXCEPT THE FORMER USTs, SURVEYED BY MID COAST ENGINEERS FEBRUARY AND APRIL 2011 JOB#10018X DATED APRIL 27, 2011;
 TITLED "MONITORING WELL LOCATION MAP FOR PENSKE"
 SITE COORDINATE SYSTEM: CA STATE PLANE; ZONE III; NAD 83 VERTICLE DATUM; NAVD 88

1340 Treat Boulevard, Suite 300
 Walnut Creek, CA 94597
 PHONE: (925) 941-1400 FAX: (925) 941-1401

FOR:
PENSKE
 725 JULIE ANN WAY
 OAKLAND, CALIFORNIA

JOB NUMBER: 185702640.200.0001
 DRAWN BY: RRR

1983 AERIAL IMAGE
 WITH SAMPLING LOCATIONS

CHECKED BY: EH
 APPROVED BY: EH

FIGURE:
1

DATE: 06/19/14