



M A D I S O N P A R K

January 8, 2016

Mr. Jerry Wickham
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

SUBJECT: SOIL REMEDIAL ACTION WORK PLAN AMENDMENT CERTIFICATION
County File # RO 0003160
Precision Cast Products
2868 Hannah Street
1549 32nd Street
Oakland, CA

Dear Mr. Wickham:

You will find enclosed one copy of the following document prepared by P&D Environmental, Inc. for the subject site:

- Soil Remedial Action Work Plan Amendment dated January 8, 2016 (document 0741.W1).

I declare under penalty of perjury that the contents and conclusions in the document are true and correct to the best of my knowledge.

Should you have any questions, please do not hesitate to contact me at (510) 452-2944.

Sincerely,

2868 Hannah Street LLC

John Protopapas
President

0741.L1

P&D ENVIRONMENTAL, INC.

55 Santa Clara Avenue, Suite 240

Oakland, CA 94610

(510) 658-6916

January 8, 2016
Work Plan 0741.W1

Mr. Jerry Wickham
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1131 Harbor Bay Parkway, Suite 250
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County File # RO 0003160
Precision Cast Products
2868 Hannah Street
1549 32nd Street
Oakland, CA

Dear Mr. Wickham:

P&D Environmental, Inc. (P&D) has prepared this Amendment to the September 3, 2015 Soil Remedial Action Work Plan prepared by Roux Associates, Inc. for the subject site. This amendment replaces proposed aeration of tetrachloroethene (PCE) –impacted excavated soil with removal and disposal of the PCE-impacted soil as the remedial solution for PCE-impacted soil at the site. The portions of the September 3, 2015 work plan that are not related to soil aeration will be implemented. All work will be overseen by a California professional geologist.

SCOPE OF WORK

The scope of work associated with disposal of excavated PCE-impacted soil includes the following activities.

1. Bay Area Air Quality Management District (BAAQMD) notification in accordance with Regulation 8 Rule 40 requirements.
2. Excavation air monitoring with a PID for segregation of PCE-impacted soil from non-impacted soil and for site perimeter air monitoring.
3. Collection of a total of 10 discrete confirmation soil samples from the excavated area perimeter.
4. Collection of a total of 4 discrete soil samples from the soil stockpile of excavated impacted soil for disposal characterization purposes.
5. Collection of a total of 4 discrete soil samples from the soil stockpile of excavated non-impacted soil for re-use characterization purposes.
6. Arrange for soil sample analysis for TPH-D and TPH-MO using modified EPA Method 8015, and for TPH-G and VOCs using EPA Method 8260B.
7. Soil disposal loading air monitoring with a PID for site perimeter air monitoring.
8. Import of clean fill for excavated area backfilling.
9. Report preparation documenting field observations and sample results.

January 8, 2016
Work Plan 741.W1

Each of these is discussed below.

BAAQMD Notification

In accordance with Regulation 8 Rule 40 requirements, notification of the excavation and loading dates will be provided to the BAAQMD.

Soil Excavation Air Monitoring

During soil excavation, air monitoring will be performed with a PID for segregation of PCE-impacted soil from non-impacted soil and for worker breathing space and site perimeter air monitoring. Soil that is not impacted by PCE will be segregated from PCE-impacted soil in stockpiles onsite for characterization prior to re-use or disposal. A daily log will be maintained of PID values and the time and location of the PID values. In accordance with BAAQMD requirements, excavated surfaces where VOCs might be released to the atmosphere will be wetted. In addition, all excavated soil will be placed on plastic at the time of stockpiling and will be covered with plastic at the end of each day.

Soil Sample Collection

Post-excavation confirmation soil samples will be collected in accordance with the September 3, 2015 work plan (a total of 10 soil samples is anticipated).

Soil samples will be collected from the PCE-impacted soil stockpile for characterization in accordance with disposal facility requirements.

Soil samples will be collected from the soil stockpile that is identified as not being impacted by PCE for characterization prior to re-use in accordance with the September 3, 2015 work plan. Based on the anticipated volume of soil of less than 1,000 cubic yards, a total of 4 soil samples is anticipated.

All soil samples will be collected using Encore samplers and also into 2-inch diameter, 6-inch long stainless steel tubes that will be filled so that there is zero head space in the containers. The ends of the tubes will be sequentially covered with aluminum foil and plastic endcaps. All of the samples will be labeled and stored in a cooler with ice pending delivery to a State-accredited laboratory.

Soil Sample Analysis

All of the soil samples will be analyzed for TPH-D and TPH-MO using modified EPA Method 8015, and for TPH-G and VOCs using EPA Method 8260B.

Soil Disposal Loading Air Monitoring

During soil loading for transportation from the site for disposal, air monitoring will be performed with a PID for worker breathing zone and site perimeter air monitoring. A daily log will be maintained of PID values and the time and location of the PID values. In accordance with

January 8, 2016
Work Plan 741.W1

BAAQMD requirements, excavated surfaces where VOCs might be released to the atmosphere will be wetted.

Clean Fill Import

Clean fill material will be imported for backfilling to replace excavated material that is removed from the site for disposal. The clean fill material will be tested at a frequency as set forth in the September 3, 2015 work plan for re-use of soil at the site, and will be tested or certified for substances associated with historical use of the land where the imported soil originates.

Report Preparation

A report will be prepared documenting the air monitoring results, soil sample results, excavated soil manifests and weight tickets, and documentation of imported fill material being clean. The report will include tables summarizing the laboratory results, a discussion and recommendations based on the results, and the stamp of a professional geologist. A copy of the report will be uploaded to GeoTracker and the county website.

Should you have any questions or comments, please do not hesitate to contact us at (510) 658-6916.

Sincerely,

P&D Environmental, Inc.



Paul H. King
Professional Geologist #5901
Expires 12/31/17



PHK/jhm
0741.W1