
APPENDIX A

Response to Comments Memo

Memo

To: Tamara Cardona, Ecology
From: Kathleen Goodman
Tel: (206) 342-1760
Fax: (206) 342-1761
Date: March 29, 2017

Project: 16497
cc: Mary Logue (Kelly-Moore)
Project File

Subject: **Opinion Pursuant to WAC 173-340-515(5) on Remedial Investigation Response to Comments**
Kelly-Moore Paint Company
Seattle, Washington

Amec Foster Wheeler Environment & Infrastructure, Inc. (Amec Foster Wheeler), prepared the following letter on behalf of Kelly-Moore Paint Company (Kelly-Moore). In January 2016, Amec Foster Wheeler submitted a revised Remedial Investigation (RI) Report to the Washington State Department of Ecology (Ecology) on behalf of Kelly-Moore and an official request for opinion regarding the RI on February 3, 2016. Ecology issued an opinion and comments on the RI in an email to Kelly-Moore and Amec Foster Wheeler in May 2016.

This letter presents Kelly-Moore's responses to Ecology's comments. Ecology's comments are reproduced below followed by Kelly-Moore's response (in blue).

1. The extent of the contamination is not defined:

While several remedial investigations (RI) have been conducted, none has fully delineated the vertical and horizontal extent of soil and ground water contamination.

- o Vertical delineation in soil is not complete in multiple areas, including the excavated areas KM-19, KM-30, KM-39, and KM-41 and other areas where cPAH concentrations were above MTCA including KM-25, KM-10 and B7 trench.

Response –

- o In general, excavations did not extend beyond the water table during the interim actions conducted at the site. This is because soils would start sloughing into the excavations, which could have potentially destabilized any surrounding structures. Due to structural constraints and geotechnical limitations, chasing the contamination was not feasible at the time, especially for analytes such as cPAHs that have a longer turnaround time for analysis.
- o Confirmation soil samples showing that the excavation reached limits below MTCA were not collected in several areas including KM-10, B7, and Tank 2 area.

Response –

- o Additional samples were not collected at these locations due to the nature of the interim actions, as follows: KM-10 was installed to attempt to identify the groundwater plume and deeper samples were not collected from this location.

Additional samples were not collected from the B7 or Tank 2 area because of the construction that was concurrent with the timing of the piping removal from the B7 trench area.

- Please indicate in the text which sample shows that all PCBs above MTCA were excavated from the KM-41 area.

Response –

- Sample KM-41 was collected from Building 8 in the floor of the scale pit that was excavated during the Building 8 PCB Closure. Prior to excavation, PCBs were detected at KM-41 from a sample collected from 2.75 to 3.25 feet bgs at 58 mg/kg and from a sample collected from 4.25 to 4.75 feet bgs at 10 mg/kg. The scale pit was excavated to a depth of 6 feet below the building foundation and sample results collected from the bottom of the excavation were all <1 mg/kg (see Table 2 in Appendix D, samples collected from the scale pit are: KM15-B08-148B, KM-B08-149B, KM-08-150B, KM-08-151B, and composite samples KM-15-Comp-27 and KM-15-Comp-28).
- The rationale for selecting which analyses to conduct in each sample or area is not provided. Why were areas KM-19, KM-30, KM-39, KM-40 and KM-41 not analyzed for TPH-D and TPH-O? Why were VOCs and PAHs not analyzed for in samples from the B7 piping area VOCs in KM-39?

Response –

- As described in the nature and extent section of the report (Section 5.0), most soil samples were analyzed for metals; gasoline-range petroleum hydrocarbons (TPH-G), lube oil-range petroleum hydrocarbons (TPH-O), and diesel-range petroleum hydrocarbons (TPH-D); VOCs; and semivolatile organic compounds (SVOCs). Selected soil samples were collected for the analysis of a more limited suite of constituents, normally during focused investigations for the presence of a particular COPC or set of COPCs in a given area of the site.
- During the 2016 sampling events, all groundwater samples have been analyzed for metals, TPH-G, TPH-D, VOCs, SVOCs, and PCBs. About half of the grab groundwater samples were analyzed for metals, TPH-G, TPH-D, VOCs, SVOCs, and PCBs. In areas where COPCs had previously been evaluated, more focused investigations were conducted and samples were analyzed for a more limited suite of metals, TPH-G, VOCs, and SVOCs. In these focused investigations, the previous investigations had not identified TPH-D and/or PCBs.
- Specific areas are addressed below:
 - Soil and groundwater samples from KM-19 and KM-30 were not analyzed for TPH-D or TPH-O because surrounding samples (KM-13 through KM-16) did not have detections of TPH-D or TPH-O. KM-19 and KM-30 were located to determine the extent of other CPOCs. Soil confirmation samples collected from the interim action excavations in

2015 were analyzed to confirm removal of high TPH-G concentrations; therefore, additional analyses were not conducted.

- Soil and groundwater samples from KM-39, KM-40, and KM-41 were not analyzed for TPH-D and TPH-O because these samples were collected to determine the extent of the TPH-G plume in this central portion of the site and to determine if soils below Building 8 were impacted by PCBs.
 - Soil samples collected from KM-39 and B7 piping area were analyzed for BTEX (not the full suite of VOCs) because BTEX compounds were most frequently detected in that vicinity of the site. Soil samples from the B7 piping area were also analyzed for the carcinogenic PAHs.
- The suspected sources in each of the areas of contamination are not explained.

Response – Suspected sources were described in a separate section of the RI as well as in the individual documents submitted by Amec Foster Wheeler over time. Section 5.2 states that the sources of contamination are presumed to be a combination of the following:

- Leaks or spills related to former USTs and related piping located in the central area of the site, but also including piping that ran underground into the buildings north of the former UST area.
 - Leaks or spills during historical operations before the storage areas were paved or via sumps or catch basins. It is unknown when the site was fully paved, and the full historical use of all the areas is unknown.
 - Releases that could have migrated from the neighboring rail line property, situated slightly uphill and hydraulically upgradient of the site, or other upgradient sources.
 - Imported fill material is apparent in multiple locations across the site. Various fill materials have been noted during site activities. Historical records also indicate that the site may have been historically filled with material from unknown sources. Wood, coal, asphalt pieces, and other unidentified fill materials have been observed at the site in the subsurface borings and excavations. The dates of fill placement at the site are unknown.
 - Air depositional contributions from the heavy industrial location of the site (between an interstate freeway, a major city arterial, and an active rail yard).
 - Activities by former owners and operators at the site, prior to paint manufacturing.
- Many of the detection limits were above the screening levels selected, therefore some of the data is not adequate to “screen-out” some of the contaminants including benzene, MTBE, and chlorinated solvents. Results with detection limits above the

applicable screening level should be marked in the tables as exceeding the screening level.

Response –

- Comment noted. The detection limits that exceed the screening level are highlighted in Tables 5-1 through 5-7. In many instances; however, high concentrations of non-target analytes resulted in the samples requiring dilutions to be performed at the laboratory in order to quantitate the analytes and to avoid instrument issues that would result from samples with high concentrations of gasoline range TPH.
- Ground water results shown in Tables 5-7 through 5-12 should be clearly identified as grab samples or monitoring well samples.

Response –

- Comment noted – grab groundwater sample data (detections only) is now presented in Table 5-6 and detections in monitoring wells is presented in Table 5-7. The full data set for grab groundwater is presented in Appendix Table F-1 and the full data set for monitoring well groundwater data is presented in Appendix Table F-2.
- An interpretation of the ground water geochemical parameters (Table 5-8) should be included.

Response –

- Comment noted – an interpretation is included in Section 6.2.2. This table is now Table 6-1.
- Table 5-12 shows PCB detection levels higher than the screening levels therefore concentrations should be marked as potentially exceeding the screening levels.

Response –

- These grab groundwater sample results are now shown on Appendix Table F-1. The screening level for PCBs is 0.05 µg/L and the samples were reported as not detected with screening levels ranging from 0.1 to 0.051 µg/L. It should be noted that the soil samples associated with these grab groundwater samples did not have PCB concentrations at detectable levels with the exception of samples from KM-10 and KM-14; both were shallow soil samples and the concentrations detected were 0.14 and 0.057 mg/kg, respectively. The soil from KM-10 was excavated during the trenching that took place to install the SVE piping. In addition, PCB concentrations from groundwater samples collected from monitoring wells during the July 2016 sampling event were below detection at reporting limits ranging from 0.047 to 0.048 µg/L. The non-detected

values have been highlighted; however, PCBs are not a contaminant of concern in groundwater for this site.

2. Historical soil samples:

The RI report submitted refers to previous tank removals and soil sampling conducted prior to Kelly Moore's ownership of the property. However, specific locations of those tanks, sampling results and extent of the contamination removed and remaining are not shown in the figures and/or tables. Please include this information as part of the RI.

Response – The results of the historical sampling conducted in 1997 and 1998 during UST excavations are included in Appendix D. A figure showing the locations of the samples and the former USTs is also included. A brief discussion is included in Section 4 of the report.

3. Cleanup levels:

No cleanup levels are developed or established in the RI report. The screening levels used in the report are based on industrial use of the Property. While the current land use is industrial and the zoning is listed as industrial (IG2), other uses such as daycare centers, parks, etc. are allowed under this zoning. Ecology has therefore determined the Property does not meet the definition of an industrial property. WAC 173-340-745 lists the characteristics of an industrial property, if the Property meets the characteristics listed and "the cleanup action provides for appropriate institutional controls implemented in accordance with WAC 173-340-440 to limit potential exposure to residential hazardous substances", the use of cleanup levels for industrial scenarios may be proposed as part of the final cleanup. However, that determination is premature at this time, therefore, Method B cleanup levels protective of the leaching pathway are considered applicable.

Response – Comment noted. The soil cleanup level tables have been revised to reflect current MTCA B values protective of the leaching pathway. Tables 7-1 and 7-2 present the soil and groundwater cleanup levels. After we receive Ecology approval and develop final cleanup levels for the site, we will evaluate using industrial cleanup levels for soils deeper than 6 feet below ground surface (bgs) where appropriate.

4. Figures:

- In order for the figures to effectively demonstrate Site conditions less information should be presented, the figure symbols and font should be larger and the areas of contamination should be separated to allow sampling locations to be seen.
- Ground water data should be shown with each sampling event in a separate figure.
- Only current data from monitoring wells, not from grab samples, should be used for groundwater plume delineation.
- Include an interpretation of Figure 5-12 in the text.

Response – The figures have been revised to reflect Ecology's comments and Figure 5-12 is no longer included in the revised RI/FS. The groundwater trend in TPH-G concentrations will be better evaluated after at least four sampling events from the full monitoring well network have been conducted.

5. Tables:

- There are too many tables and most of the data cells show concentrations below detection limits or compounds not analyzed for. Information presented in the tables should be summarized to include detections and specific areas of remaining contamination.
- A summary and interpretation of the information included in the tables should be included in the text. Samples that exceed the cleanup levels should be highlighted. Analyses in which the detection limit was at or above the screening level should also be indicated in the tables.
- All sampling data available from permanent monitoring wells should be included as a separate table.

Response – The tables have been revised to reflect Ecology’s comments.

6. Simplified Terrestrial Ecological Evaluation (TEE):

- The habitat rating completed as part of the simplified TEE must be completed by an experienced field biologist. Please indicate the qualifications of the person that evaluated habitat quality, otherwise use the conservative score of 1 for questions 3 and 4 in Table 749-1.

Response – Comment noted. The resume of the biologist that completed the habitat rating has been included in Appendix C.

7. Overall, the report lacks:

- Sampling rationale
- Excavation rationale
- Confirmation at all excavated locations showing that contamination above MTCA was removed
- Ground water plume delineation
- Interpretation of results
- Summary of current conditions showing remaining areas of soil and ground water contamination
- Concise tables
- Concise figures
- Summary of data gaps in soil and ground water
- Historical data

Response –Rationale for sampling and excavations are described above and in earlier documents to the extent known by the current project team. The schedule for the redevelopment was fast-tracked and the timing for a complete removal of COPCs under the

Memo
March 29, 2017
Page 7 of 7

footprint of the new building could not be accommodated by the new owner's redevelopment schedule. The new owner acknowledged that in exchange for the expedited schedule, institutional controls, including an environmental covenant would be likely for some of the COPCs that would not be treatable with SVE/AS. All other areas of deficiency have been addressed.

8. Under Washington State law (Chapters 18.43 and 18.220 RCW), hydrogeologic and engineering work must be conducted by, or under the supervision of a licensed geologist, hydrogeologist, or professional engineer qualified to conduct the work. Any Site investigation/cleanup document containing geologic or engineering work must be submitted under the seal of such an appropriately licensed professional. The submitted report is not signed and stamped by a licensed professional.

Response - Comment noted. This resubmitted document has been signed and stamped by a licensed professional.

9. Electronic submittal of all sampling data into Ecology's Electronic Environmental Information Management (EIM) database is a requirement in order to receive a final Ecology opinion for this Site. Jenna Durkee (email jedu461@ecy.wa.gov), or via telephone at 509-454-7865) is Ecology's contact and resource on entering data into EIM.

Response - Comment noted. All sampling data has been uploaded in the EIM database.

APPENDIX B

Legal Description of Property

PRESERVATIVE PAINT COMPANY
Chronological Sequence of Ownership and Leases
at
5410 Airport Way South
Seattle, Washington

This report reflects review of Preservative Paint Company ("PPC") records on hand in May, 1986, including title abstracts, deeds, leases, and minutes of meetings of PPC Board of Directors.

The history that follows is not complete. A professional title search will be required if this data is not sufficient. A plot map is attached for reference.

Parcel 1:

North $\frac{1}{2}$ of Lot 1, Block 8 and vacated South $\frac{1}{2}$ of Baltimore Avenue.

Leased by Asphaltum Products Company (later to become Preservative Paint Company) in 1908.

Purchased by PPC between 1920 and 1927.

Parcel 2:

North $\frac{1}{2}$ vacated Baltimore Avenue and West portion of Lot 9, Southwest portion of Lot 8, Block 9.

Date of original lease unknown.

Purchased by PPC in 1942.

Parcel 3:

East strip of South $\frac{1}{2}$ of vacated Baltimore Avenue and Lot 1, Block 8.

Leased from Northern Pacific Railway Company in 1947.

Parcel 4:

South $\frac{1}{2}$ of Lot 1, North $\frac{1}{2}$ of Lot 2, Block 8.

Purchased from Pacific Coast Coal Company in 1951.

Parcel 5:

North 20 feet of vacated Lucile Street Bridge.

Purchased from City of Seattle in 1982.

Parcel 6:

Southwest corner of Lot 8 and 12-foot North-South center strip of Lot 9, Block 9, and 12-foot North-South center strip of North $\frac{1}{2}$ vacated Baltimore Avenue.

Leased from Oregon-Washington Railroad and Navigation Company and its lessee, Union Pacific Railroad Company in October, 1985 (see attached map).

Parcel 7:

Portion of Southwest corner of Lot 8 and 6-inch strip of North-South strip of Lot 9, Block 9.

Purchased from Oregon-Washington Railroad Company. Transaction not yet complete as of May 14, 1986 (see attached map).

This sketch
of Lawyers
ing in locat
assumes no



ALL LOT DIMENSIONS ARE
ACCORDING TO PLAT; EXCEPT
WHERE OTHERWISE NOTED

PRIVATE ROADWAY ENCROACHMENT
Seattle (Argo), WA
PLD 311-2-1.72
(8507-CON47-29)

RE# 795-29

U.P. LEASE Agreement

9th THIS AGREEMENT is made and entered into as of the *day of October*, 19 *85*,
by and between the OREGON-WASHINGTON RAILROAD &
NAVIGATION COMPANY, an Oregon corporation, and its
lessee, UNION PACIFIC RAILROAD COMPANY, a Utah corpo-
ration (herein collectively referred to as "Licensor"),
and PRESERVATIVE PAINT COMPANY, a Washington
corporation (herein called "Licensee").

RECITALS:

The Licensee desires to continue to maintain and
use a private roadway (herein called "Private Roadway")
on the Licensor's property at Seattle, Argo,
Washington, in the location indicated on print dated
June 25, 1985, attached hereto, marked Exhibit "A".

NOW, THEREFORE, it is mutually agreed by and
between the parties hereto as follows:

Section 1. LICENSOR GRANTS RIGHT.

(a) The Licensor hereby grants to the Licensee,
subject to the terms and conditions herein stated, the
right to maintain and use said Private Roadway in the
location described in the recitals hereof.

(b) In consideration of the license and per-
mission granted herein, the Licensee shall and will do,
keep, observe and perform each and all of the terms,
provisions, conditions, limitations and covenants
herein contained, and shall pay the Licensor the sum of
ONE HUNDRED & NO/100 DOLLARS (\$100.00) per annum,
payable annually in advance. In addition, upon
execution and delivery of this agreement, the Licensee
shall pay to the Licensor the sum of ONE HUNDRED &
NO/100 DOLLARS (\$100.00) to cover the cost of
preparation hereof.

(c) The foregoing grant is subject and sub-
ordinate to the prior and continuing right and obli-
gation of the Licensor to use and maintain the

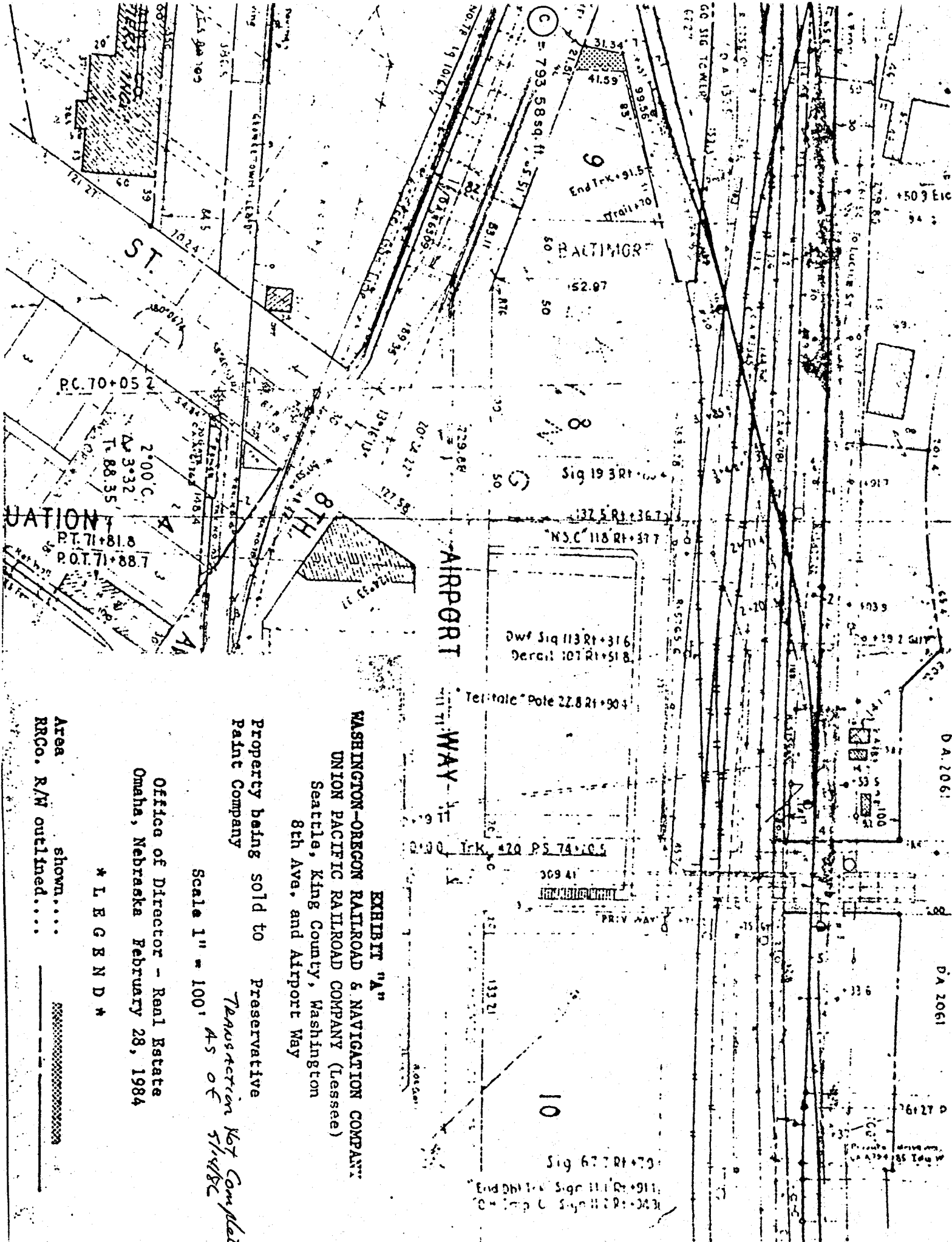


EXHIBIT "A"

WASHINGTON-OREGON RAILROAD & NAVIGATION COMPANY
 UNION PACIFIC RAILROAD COMPANY (Lessee)
 Seattle, King County, Washington
 8th Ave. and Airport Way

Property being sold to Preservative
 Paint Company

Scale 1" = 100'
Transcription Not Complete

Office of Director - Real Estate
 Omaha, Nebraska February 28, 1984

* LEGEND *

Area shown....
 R/W outlined....

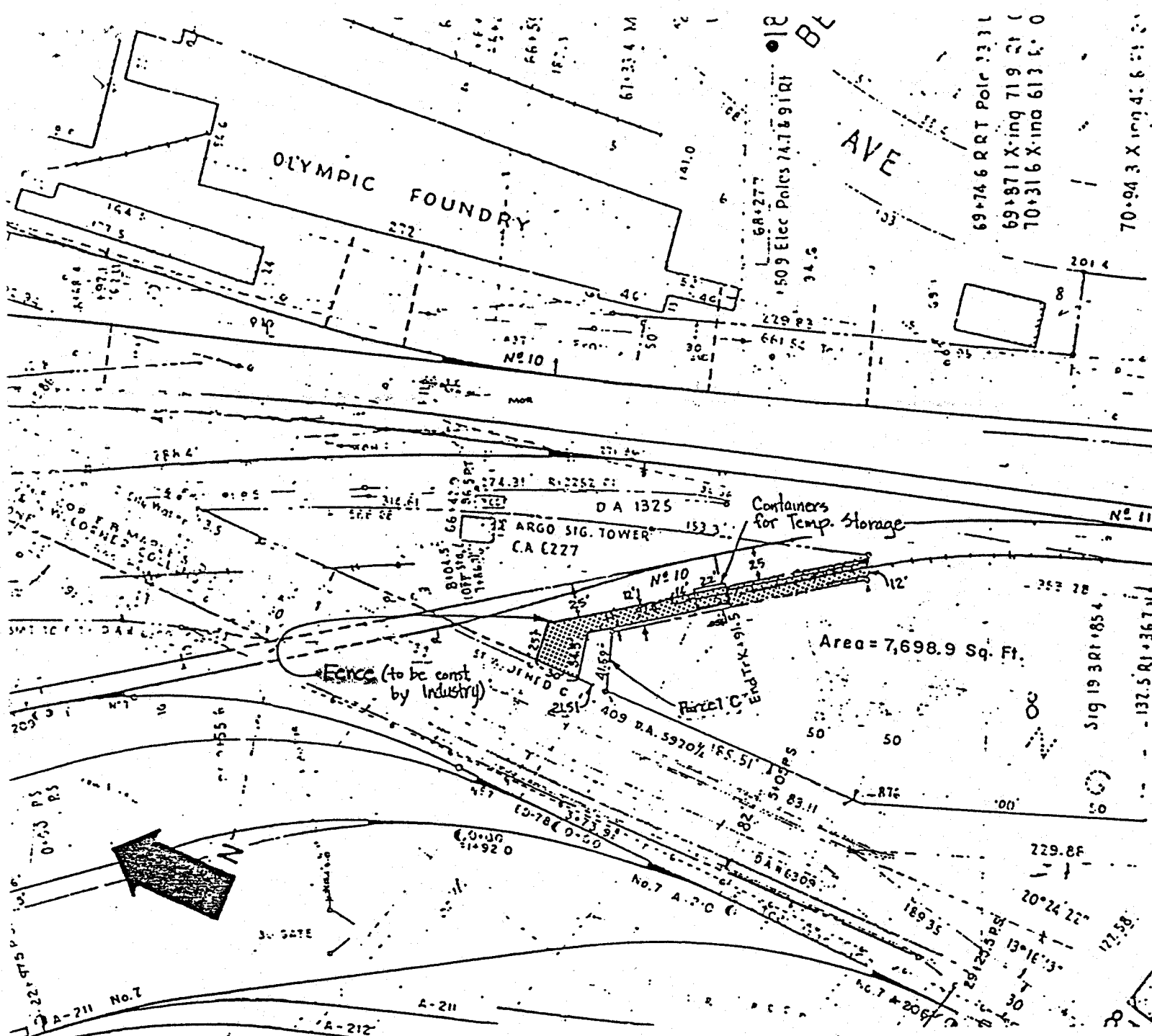


EXHIBIT "A"
 OREGON-WASHINGTON RAILROAD & NAVIGATION CO.
 UNION PACIFIC RAILROAD COMPANY (Lessee)
 Seattle (Argo), King County, Washington

To accompany agreement with Preservative
 Paint Company covering roadway encroachment

Scale 1" = 100'

Office of Director-Real Estate
 Omaha, Nebraska June 25, 1985

* L E G E N D *

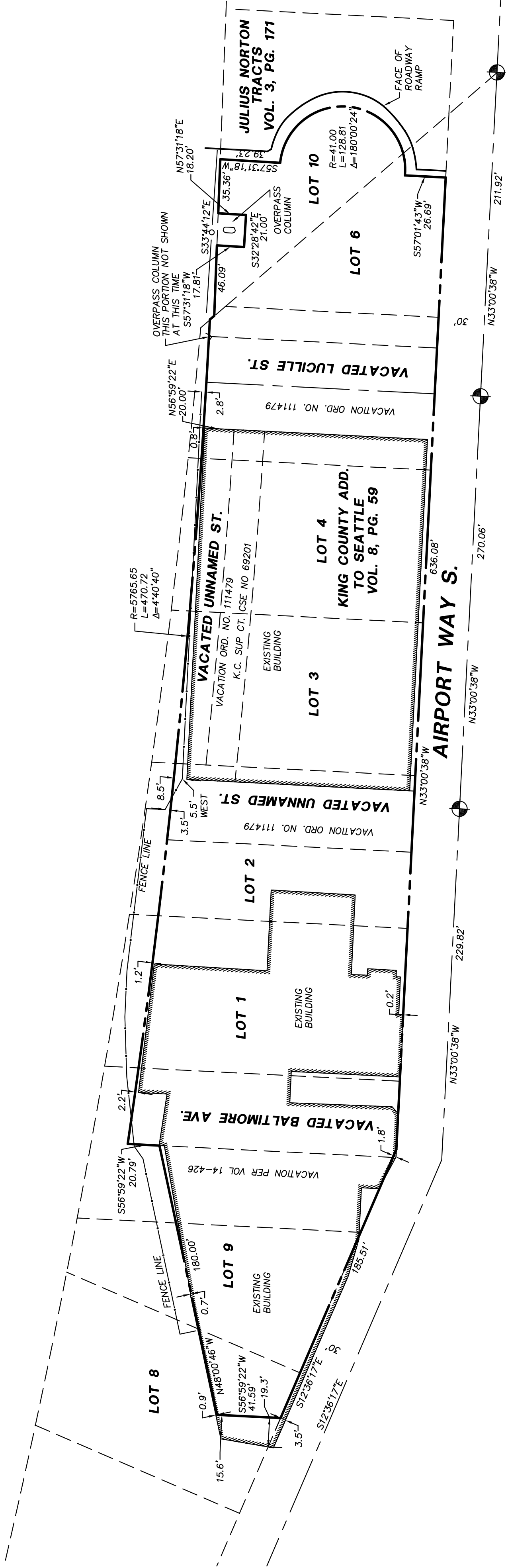
Roadway encroachment shown...
 Fence shown...
 RRCo. R/W outlined...

ORANGE

FILE WA 810-04

RCV

BOUNDARY EXHIBIT
FOR THE KELLY MOORE PAINT CO. INC.
NW 1/4, SE 1/4 AND THE SW 1/4, NE 1/4 OF SEC 20N., T.24, R.4E., W.M.



LEGAL DESCRIPTION

ALL THOSE PARTS OF LOTS 8 AND 9, BLOCK 9, KING COUNTY, ADDITION TO THE CITY OF SEATTLE, KING COUNTY, WASHINGTON, ACCORDING TO THE OFFICIAL PLAT THEREOF ON FILE IN THE AUDITORS OFFICE OF KING COUNTY, WASHINGTON AND VACATED BALTIMORE AVENUE BETWEEN BLOCKS 8 AND 9 OF SAID ADDITION DESCRIBED AS FOLLOWS:

BEGINNING AT THE INTERSECTION OF THE CENTER LINE OF VACATED BALTIMORE AVENUE WITH THE NORTHEASTERLY LINE OF AIRPORT WAY (FORMERLY 8TH AVENUE SOUTH); THENCE NORTHEASTERLY ALONG THE CENTER LINE OF VACATED BALTIMORE AVENUE, A DISTANCE OF 152.87 FEET TO A POINT THEREON; THENCE NORTHEASTERLY ALONG A STRAIGHT LINE WHICH FORMS AN ANGLE OF 74°59'52" FROM THE SOUTHWEST TO THE NORTHWEST WITH SAID CENTER LINE OF VACATED BALTIMORE AVENUE, A DISTANCE OF 180 FEET TO A POINT; THENCE SOUTHWESTERLY ALONG A STRAIGHT LINE WHICH FORMS AN ANGLE OF 105°00'08" FROM THE SOUTHEAST TO THE NORTHWEST WITH THE LAST DESCRIBED STRAIGHT LINE, A DISTANCE OF 41.59 FEET TO A POINT ON SAID NORTHEASTERLY LINE OF AIRPORT WAY; THENCE SOUTHEASTERLY ALONG SAID NORTHEASTERLY LINE OF AIRPORT WAY, A DISTANCE OF 185.51 FEET TO POINT OF BEGINNING; LOT 1 AND THE SOUTHEASTERLY ONE-HALF OF VACATED BALTIMORE AVENUE, ADJOINING, AND NORTHEASTERLY HALF OF LOT 2, EXCEPT RIGHT-OF-WAY CONVEYED TO NORTHERN PACIFIC RAILWAY COMPANY BY DEED RECORDED UNDER RECORDING NUMBER 638522 AND THAT PORTION OF THE SOUTH 10 FEET OF LOT 2 AND ALL OF LOTS 3 AND 4 AND THE NORTH 20 FEET OF LOT 5, ALL IN BLOCK 8, KING COUNTY ADDITION TO THE CITY OF SEATTLE, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 8 OF PLATS, PAGE 59, IN KING COUNTY, WASHINGTON, LYING SOUTHWESTERLY OF THE STRIP OF LAND APPROPRIATED BY CITY OF GEORGETOWN BY JUDGMENT ENTERED IN KING COUNTY SUPERIOR COURT CAUSE NUMBER 69201;

ALSO THAT PORTION OF THE NORTH 20 FEET OF THE SOUTH 20 FEET OF SAID LOT 2 AS DESCRIBED IN INSTRUMENT RECORDED UNDER RECORDING NUMBER 8211120680 LYING WEST OF THE EAST LINE OF THOSE PORTIONS OF SAID LOTS 2, AND 4 DESCRIBED ABOVE PRODUCED NORTHERLY;

ALSO THAT PORTION OF LOT 5 LYING SOUTHERLY OF SOUTH LUCILLE STREET AND ALL OF LOT 6, BLOCK 8, KING COUNTY ADDITION TO THE CITY OF SEATTLE, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 8 OF PLATS, PAGE 59, IN KING COUNTY, WASHINGTON;

ALSO THAT PORTION OF TRACT 10, TRACTS OF JULIUS HORTON, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 3 OF PLAT, PAGE 171, IN KING COUNTY, WASHINGTON, LYING NORTHWESTERLY AND SOUTHWESTERLY OF THE THREE TRACTS CONVEYED TO THE CITY OF SEATTLE BY DEED RECORDED UNDER RECORDING NUMBER 84020685;

TOGETHER WITH THAT PORTION OF VACATED LUCILLE STREET AND UNNAMED STREET AS VACATED UNDER VACATION ORDINANCE NO. 111479 AND FILE UNDER RECORDING NUMBER 8401100723, WHICH WOULD ATTACH TO AL THE ABOVE DESCRIBED PROPERTY BY OPERATION OF LAW, EXCEPT THOSE "AERIAL RIGHTS" AND "PERPETUAL RIGHTS" CONVEYED TO THE CITY OF SEATTLE BY DEED RECORDED UNDER KING COUNTY RECORDING NUMBER 84020686.

SURVEY NOTES:

1. THE PURPOSE OF THIS SURVEY IS TO DEFINE THE BOUNDARY LINES OF THE PARCEL DESCRIBED HEREON. NO CORNERS HAVE BEEN SET AT THIS TIME.
2. FIELD WORK WAS DONE IN SEPTEMBER AND OCTOBER OF 2008 USING TRIMBLE 4400 SERIES GPS RECEIVERS (RTK METHOD) AND A SOKIA SET. TWO SECOND TOTAL STATION WITH RESULTING CLOSURES EXCEEDING THE MINIMUM ACCURACY STANDARDS AS ESTABLISHED BY W.A.C. 332-150.
3. THE BOUNDARY CORNERS AND LINES DEPICTED ON THIS MAP ARE PER RECORD TITLE INFORMATION AND REPRESENT DEED LINES ONLY; THEY DO NOT PURPORT TO SHOW OWNERSHIP LINES THAT MAY OTHERWISE BE DETERMINED BY A COURT OF LAW.
4. THE TITLE REPORT FOR THE PARCEL AS SHOWN HEREON WAS PROVIDED BY THE CLIENT AND WAS PREPARED BY STEWART TITLE COMPANY OF WASHINGTON INC. TITLE ORDER NO. 253807 DATED JULY 22, 1994.
5. REFERENCE IS MADE TO THE FOLLOWING RECORDS OF SURVEY WHICH WERE USED TO CALCULATE AND/OR ASCERTAIN THE BOUNDARY AS SHOWN HEREON...
RECORD OF SURVEY RECORDING NO. 7609019001.
RECORD OF SURVEY RECORDING NO. 20070831900003.
PLAY OF KING COUNTY ADDITION TO THE CITY OF SEATTLE VOLUME 8, PAGE 59.
CITY OF SEATTLE PUBLIC UTILITIES MAPS OF THE SE AND NE QUARTERS OF SEC. 20-24-4

RECORDS OF KING COUNTY, WASHINGTON.

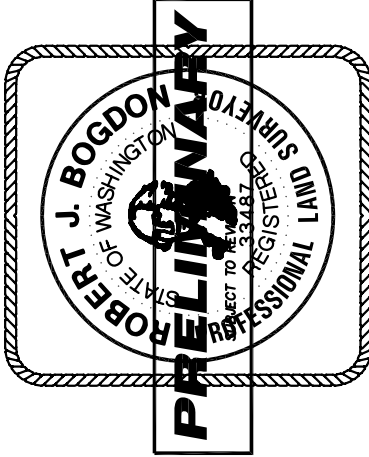
LEGEND

● = FOUND Cased CONCRETE MONUMENT

BASIS OF BEARINGS

THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CENTERLINE OF AIRPORT WAY S. PER RECORD OF SURVEY RECORDING NUMBER 7609019001 BEARING N33°00'38"W AS SHOWN.

INDEX LOCATION:
SEC. 20 T.24 N.R. 4 E. W.M.



GRAPHIC SCALE



(IN FEET)
1 inch = 50 ft.

RECORDER'S CERTIFICATE

FILED FOR RECORD THIS.....DAY OF 200.....AT.....M
IN BOOK.....OF.....AT PAGE.....AT THE
REQUEST OF ROBERT J. BOGDON
SURVEYOR'S NAME

MGR. SUPT. OF RECORDS

SURVEYOR'S CERTIFICATE

THIS MAP CORRECTLY REPRESENTS A SURVEY MADE
BY ME OR UNDER MY DIRECTION IN CONFORMANCE WITH
THE REQUIREMENTS OF THE SURVEY RECORDING ACT AT
THE REQUEST OF KELLY MOORE PAINT CO. INC.
IN.....2008

ROBERT J. BOGDON
CERTIFICATE NO.33487

RECORD OF SURVEY FOR
KELLY MOORE PAINT CO. INC.
KING COUNTY
WASHINGTON

DWN BY EMW

DATE 12/08

JOB NO. 08109

CHKD BY R. BOGDON

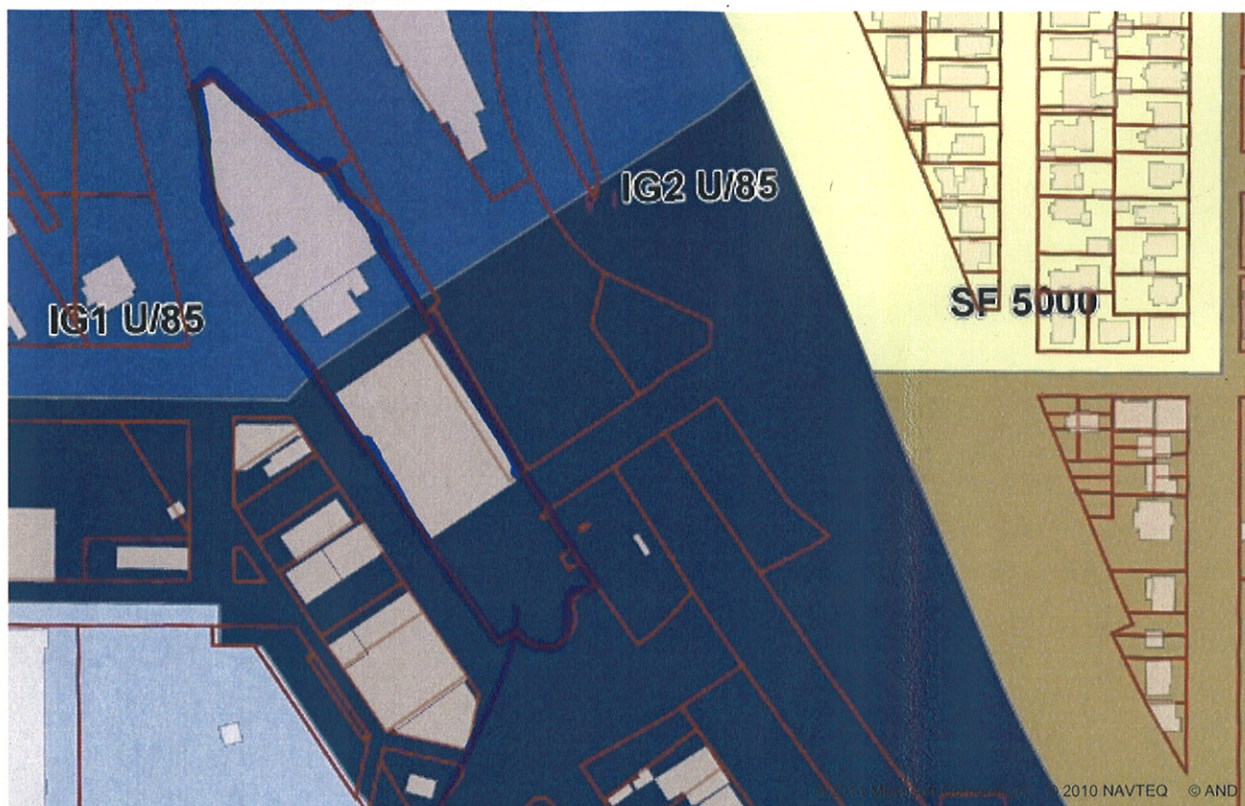
SCALE 1"=50'

SHEET 1

OF 1

EASTSIDE CONSULTANTS, INC.
ENGINEERS-SURVEYORS

1320 N.W. MALL ST., SUITE B
ISSAQUAH, WASHINGTON 98027
PHONE: 14251392-5351
FAX: 14251392-4676



Displaying layers:
Detailed Zoning
Overlay
Building Outlines
Parcels

No warranties of any sort, including accuracy, fitness, or merchantability accompany this product.
Copyright 2007, All Rights Reserved, City of Seattle

KM property:

North parcel zoned IG1 U/85 = General Industrial 1

South parcel zoned IG2 U/85 = General Industrial 2

EXHIBIT A

The land referred to in this Limited Liability Certificate is situated in the county of King, state of Washington, and described as follows:

All those parts of Lots 8 and 9, Block 9, King County Addition to the City of Seattle, King County, Washington, according to the official plat thereof on file in the Auditors Office of King County, Washington and vacated Baltimore Avenue between Blocks 8 and 9 of said addition described as follows:

Beginning at the intersection of the center line of vacated Baltimore Avenue with the northeasterly line of Airport Way (formerly 8th Avenue South);
thence northeasterly along the center line of vacated Baltimore Avenue, a distance of 152.87 feet to a point thereon;
thence northwesterly along a straight line which forms an angle of 74°59'52" from the southwest to the northwest with said center line of vacated Baltimore Avenue, a distance of 180 feet to a point;
thence southwesterly along a straight line which forms an angle of 105°0'08" from southeast to southwest with the last described straight line a distance of 41.59 feet to a point on said northeasterly line of Airport Way;
thence southeasterly along said northeasterly line of Airport Way a distance of 185.51 feet to point of beginning;

Lot 1 and the southeasterly one-half of vacated Baltimore Avenue, adjoining, and northwesterly half of Lot 2;
EXCEPT right-of-way conveyed to Northern Pacific Railway Company by deed recorded under Recording Number 628522 and that portion of the south 10 feet of Lot 2 and all of Lots 3 and 4 and the north 20 feet of Lot 5. All in Block 8, King County Addition to the City of Seattle, according to the plat thereof recorded in Volume 8 of Plats, page 59, in King County, Washington, lying southwesterly of the strip of land appropriated by the City of Georgetown by judgment entered in King County Superior Court Cause Number 69201;

ALSO that portion of the north 20 feet of the south 30 feet of said Lot 2 as described in instrument recorded under Recording Number **8211120660** lying west of the east line of those portions of said Lots 2, 3 and 4 described above produced northerly;

ALSO that portion of Lot 5 lying southerly of South Lucille Street and all of 6, Block 8, King County Addition to the City of Seattle, according to the plat thereof recorded in Volume 8 of Plats, page 59, in King County, Washington;

ALSO that portion of Tract 10, Tracts of Julius Horton, according to the plat thereof recorded in Volume 3 of Plats, page 171, in King County, Washington, lying northwesterly and southwesterly of the three tracts conveyed to the City of Seattle by deed recorded under Recording Number 8402020685;

TOGETHER WITH that portion of vacated Lucille Street and unnamed street as vacated under vacation Ordinance No. 111479 and filed under Recording Number **6401100723**, which would attach to all the above described property by Operation of Law;
EXCEPT those "aerial rights" and "perpetual rights" conveyed to the City of Seattle by deed recorded under King County Recording Number 8402020686.

REAL ESTATE EXCISE TAX AFFIDAVIT

This form is your receipt
when stamped by cashier.

PLEASE TYPE OR PRINT

CHAPTER 82.45 RCW – CHAPTER 458-61A WAC

THIS AFFIDAVIT WILL NOT BE ACCEPTED UNLESS ALL AREAS ON ALL PAGES ARE FULLY COMPLETED

(See back of last page for instructions)

☐ Check box if partial sale of property

If multiple owners, list percentage of ownership next to name.

1 SELLER GRANTOR	Name: Kelly-Moore Paint Company, Inc., a California corporation and wholly-owned subsidiary of K-M Industries Holding Co., Inc.	2 BUYER GRANTEE	Name: NCD GeorgeTown, LLC, a Washington limited liability company
	Mailing Address: 987 Commercial Ave		Mailing Address: 11112 Rainier Ave S
	City/State/Zip: San Carlos, CA 94070		City/State/Zip: Seattle, WA 98178
	Phone No. (including area code):		Phone No. (including area code):
3 Send all property tax correspondence to: <input checked="" type="checkbox"/> Same as Buyer/Grantee Name: _____ Mailing Address: _____ City/State/Zip: _____ Phone No. (including area code): _____		List all real and personal property tax parcel account numbers-check box if personal property 386840-0270-00 <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> 0010 <input type="checkbox"/>	
List assessed value(s) 2,707,600.00 _____ _____			

4 Street address of property: **5410 Airport Way South, Seattle, WA 98108-1726**
 This property is located in Seattle
☐ Check box if any of the listed parcels are being segregated from another parcel, are part of a boundary line adjustment or parcels being merged.
 Legal description of property (if more space is needed, you may attach a separate sheet to each page of the affidavit)

PARCEL A OF LOT BOUNDARY ADJUSTMENT NO. 3011771, RECORDED MARCH 11, 2011 UNDER RECORDING NO. 20110311900004, IN KING COUNTY, WASHINGTON.

5 Select Land Use Code(s): 59 enter any additional codes: _____ (See back of last page of instructions) YES NO Was the seller receiving a property tax exemption or deferral under chapters 84.36, 84.37, or 84.38 RCW (nonprofit organization, senior citizen, or disabled person, homeowner with limited income)? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO 6 YES NO Is this property designated as forest land per chapter 84.33 RCW? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Is this property classified as current use (open space, farm and agricultural, or timber) land per Chapter 84.34 RCW? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Is this property receiving special valuation as historical property per chapter 84.26 RCW? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO If any answers are yes, complete as instructed below. (1) NOTICE OF CONTINUANCE (FOREST LAND OR CURRENT USE) NEW OWNER(S): To continue the current designation as forest land or classification as current use (open space, farm and agriculture, or timber) land, you must sign on (3) below. The county assessor must then determine if the land transferred continues to qualify and will indicate by signing below. If the land no longer qualifies or you do not wish to continue the designation or classification, it will be removed and the compensating or additional taxes will be due and payable by the seller or transferor at the time of sale. (RCW 84.33.140 or RCW 84.34.108). Prior to signing (3) below, you may contact your local county assessor for more information. This land <input type="checkbox"/> does <input type="checkbox"/> does not qualify for continuance. _____ DEPUTY ASSESSOR DATE (2) NOTICE OF COMPLIANCE (HISTORIC PROPERTY) NEW OWNER(S): To continue special valuation as historic property, sign (3) below. If the new owner(s) does not wish to continue, all additional tax calculated pursuant to chapter 84.26 RCW, shall be due and payable by the seller or transferor at the time of sale. (3) OWNER(S) SIGNATURE _____ PRINT NAME	7 List all personal property (tangible and intangible) included in selling price. None If claiming an exemption, list WAC number and reason for exemption: WAC No. (Section/Subsection) 458-61A-306(2) Reason for exemption Date of Sale Type of Document Statutory Warranty Deed Date of Document October 28, 2014 Gross Selling Price \$ 2,250,000.00 *Personal Property (deduct) \$ 0.00 Exemption Claimed (deduct) \$ 0.00 Taxable Selling Price \$ 2,250,000.00 Excise Tax : State \$ 40,050.00 _____ Local \$ _____ *Delinquent Interest: State \$ _____ _____ Local \$ _____ *Delinquent Penalty \$ _____ Subtotal \$ 40,050.00 *State Technology Fee \$ 5.00 *Affidavit Processing Fee \$ _____ Total Due \$ 40,055.00 A MINIMUM OF \$10.00 IS DUE IN FEE(S) AND/OR TAX *SEE INSTRUCTIONS
--	---

8 I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT.

Signature of Grantor or Grantor's Agent	Signature of Grantee or Grantee's Agent
Name (print) Lauren Moore First	Name (print) David J. Jensen
Date & city of signing: 11/15/2015 American	Date & city of signing: 1-15-2015 Seattle

Perjury: Perjury is a class C felony which is punishable by imprisonment in the state correctional institution for a maximum term of not more than five years, or by a fine in an amount fixed by the court of not more than five thousand dollars (\$5,000.00), or by both imprisonment and fine (RCW 9A.20.020(1C)).

THIS SPACE - TREASURER'S USE ONLY

COUNTY TREASURER



E2710332

01/16/2015 16:19
KING COUNTY, WA
TAX SALE
\$40,055.00
\$2,250,000.00



State of Washington
Department of Revenue
Miscellaneous Tax Section
PO Box 47477
Olympia WA 98504-7477

REAL ESTATE EXCISE TAX SUPPLEMENTAL STATEMENT

(WAC 458-61A-304)

This form must be submitted with the Real Estate Excise Tax Affidavit (FORM REV 84 0001A for deeded transfers and Form REV 84.0001B for controlling interest transfers) as provided below. Completion of this form is required for the types of real property transfers listed in numbers 1-3 below. Only the first page of this form needs original signatures.

AUDIT: Information you provide on this form is subject to audit by the Department of Revenue. **In the event of an audit, it is the taxpayers' responsibility to provide documentation to support the selling price of any exemption claimed.** This documentation must be maintained for a minimum of four years from date of sale. (RCW 82.45.100) Failure to provide supporting documentation when requested may result in the assessment of tax, penalties, and interest. Any filing that is determined to be fraudulent will carry a 50% evasion penalty in addition to any other accrued penalties or interest when the tax is assessed.

PERJURY: Perjury is a class C felony which is punishable by imprisonment in a state correctional institution for a maximum term of not more than five years, or by a fine in an amount fixed by the court of not more than five thousand dollars (\$5,000.00), or by both imprisonment and fine (RCW 9A.20.020(1C)).

The persons signing below do hereby swear under penalty of perjury that the following is true (check appropriate statement):

1. ☒ **DATE OF SALE:** (WAC 458-61A-306(2))

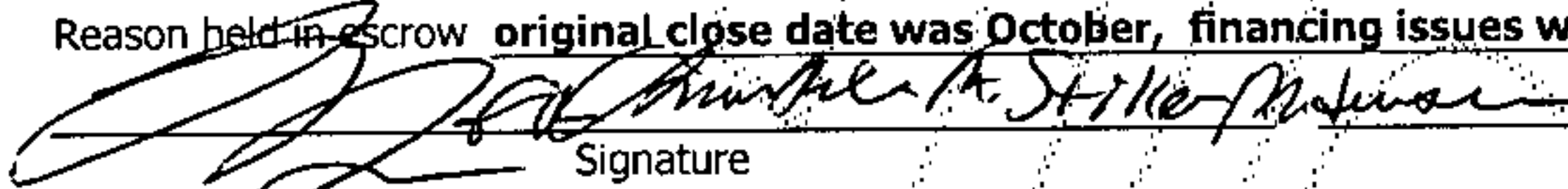
I, (print name) **Chantale A. Stiller-Anderson**

certify that the **Statutory Warranty Deed** (type of instrument) dated **October 28, 2014**, was delivered to me in escrow

by **Kelly Moore Paint Company, Inc.** (seller's name).

NOTE: Agent named here must sign below and indicate name of firm. The payment of the tax is considered current if it is not more than 90 days beyond the date shown on the instrument. If it is past 90 days, interest and penalties apply to the date of the instrument.

Reason held in escrow **original close date was October, financing issues with buyers lender delayed until now**


Signature

First American Title Insurance Company
Firm Name

2. **GIFTS:** (WAC 458-61A-201) The gift of equity is non-taxable; however, any consideration received is not a gift and is taxable. The value exchanged or paid for equity plus the amount of debt equals the taxable amount. One of the boxes below must be checked. Both Grantor (seller) and Grantee (buyer) must sign below.

Grantor (seller) gifts equity valued at \$ _____ to grantee (buyer).

NOTE: Examples of different transfer types are provided on the back. This is to assist you with correctly completing this form and paying your tax.

"Consideration" means money or anything of value, either tangible (boats, motor homes, etc) or intangible, paid or delivered, or contracted to be paid or delivered, including performance of services, in return for the transfer of real property. The term includes the amount of any lien, mortgage, contract indebtedness, or other encumbrance, given to secure the purchase price, or any part thereof, or remaining unpaid on the property at the time of sale. **"Consideration"** includes the assumption of an underlying debt on the property by the buyer at the time of transfer.

A. Gifts with consideration

1. ☐ Grantor (seller) has made and will continue to make all payments after this transfer on the total debt of \$ _____ and has received from the grantee (buyer) \$ _____ (include in this figure the value of any items received in exchange for property). Any consideration received by grantor is taxable.

2. ☐ Grantee (buyer) will make payments on _____ % on total debt of \$ _____ for which grantor (seller) is liable and pay grantor (seller) \$ _____ (include in this figure the value of any items received in exchange for property) Any consideration received by grantor is taxable.

B. Gifts without consideration

1. ☐ There is no debt on the property; Grantor (seller) has not received any consideration towards equity. No tax is due.

2. ☐ Grantor (seller) has made and will continue to make 100% of payments on total debt of \$ _____ and has not received any consideration towards equity. No tax is due.

3. ☐ Grantee (buyer) has made and will continue to make 100% of payments on total debt of \$ _____ and has not paid grantor (seller) any consideration towards equity. No tax is due.

4. ☐ Grantor (seller) and grantee (buyer) has made and will continue to make payments from joint account on total debt before and after the transfer. Grantee (buyer) has not paid grantor (seller) any consideration towards equity. No tax is due.

Has there been or will there be a refinance of the debt? ☐ YES ☐ NO (If yes, please call (360) 534-1503 to see if this transfer is taxable). If grantor (seller) was on title as co-signor only, please see WAC 458-61A-215 for exemption requirements.

The undersigned acknowledges this transaction may be subject to audit and have read the above information regarding record-keeping requirements and evasion penalties.

Grantor's Signature

Date

Grantee's Signature

Date

Grantor's Name (print)

Grantee's Name (print)

3. ☐ **IRS "TAX DEFERRED" EXCHANGE (WAC 458-61A-213)**

I, (print name) _____, certify that I am acting as an Exchange Facilitator in transferring real property to _____ pursuant to IRC Section 1031, and in accordance with WAC 458-61A-213

NOTE: Exchange Facilitator must sign below.

Exchange Facilitator's Signature

For tax assistance, contact your local County Treasurer/Recorder or visit <http://dor.wa.gov> or call (360) 534-1503. To inquire about the availability of this document in an alternate format please call 1-800-647-7706. Teletype (TTY) users may use the Washington Relay Service by calling 711.

Reproduced by First American Title Insurance Co., File No. NCS-665333-WA1 (cas)

REV 84 0002c (a) (5/26/14)

COUNTY TREASURER

King County Department of Assessments

Fair, Equitable, and Understandable Property Valuations

You're in: [Assessor](#) >> [Look up Property Info](#) >> [eReal Property](#)

Department of Assessments

500 Fourth Avenue,
Suite ADM-AS-0708,
Seattle, WA 98104

Office Hours:
Mon - Fri
8:30 a.m. to
4:30 p.m.

TEL: 206-296-7300
FAX: 206-296-5107
TTY: 206-296-7888

[Send us mail](#)
[New Search](#) [Property Tax Bill](#) [Map This Property](#) [Glossary of Terms](#) [Area Report](#) [Print Property Detail](#)

PARCEL DATA

Parcel	386840-0270	Jurisdiction	SEATTLE
Name	NCD GEORGETOWN LLC	Levy Code	0010
Site Address		Property Type	C
Geo Area	35-30	Plat Block / Building Number	8 &
Spec Area		Plat Lot / Unit Number	1 & 2 &
Property Name	NEW WAREHOUSE CONSTRUCTION	Quarter-Section-Township-Range	SE-20-24-4

Legal Description

KING COUNTY ADD PCL A SEATTLE LBA #3011771 REC# 20110311900004 SD BLA BEING LOT 1 & N 1/2 OF LOT 2 LY SWLY OF NP RY R/W TGV POR OF VAC BALTIMORE ST AS VAC BY CO COM ON 7-19-04 TGV POR OF S 10 FT OF LOT 2 & ALL OF LOTS 3 & 4 & N 20 FT OF LOT 5 LY SWLY OF STRIP OF LAND APPROPRIATED BY CITY OF GEORGETOWN BY JUDGMENT ENTERED IN KC SCC #69201 TGV POR OF N 20 FT OF S 30 FT OF SD LOT 2 AS DESC BY REC #8211120680 LY W OF E LN OF THOSE PORTIONS OF SD LOTS 2-3-4 DESC ABOVE PRODUCED NLY TGV POR LOT 5 LY SLY OF S LUCILLE ST & ALL LOT 6 TGV POR OF TR 10 OF PLAT OF JULIUS HORTON TRACTS LY NWLY & SWLY OF THE THREE TRACTS CONVEYED TO CITY OF SEATTLE BY REC #8402020685 TGV THAT PORTION OF VAC LUCILLE ST & UNNAMED ST AS VAC UNDER VAC ORD 111479 & REC #8401100723 TGV POR OF BLK 9 OF SD KING COUNTY ADD DAF - BEG NXN C/L VAC BALTIMORE ST WITH NELY MGN AIRPORT WAY TH NELY ALG SD C/L 152.87 FT TH N 48-00-46 W A DIST OF 97.00 FT TH N 41-59-14 E A DIST OF 0.80 FT TH N 47-41-49 W A DIST OF 99.56 FT TH S 63-58-49 W A DIST OF 31.34 FT TO E MGN OF SD AIRPORT WY & TERM OF LN DESC LESS C/M RGTS EXCEPT THOSE "AERIAL RGTS" & "PERPETUAL RGTS" CONVEYED TO CITY OF SEATTLE BY REC NO 8402020686 - ALL LY NORTH OF N MGN OF STATE HWY AS DEEDED BY AF #5706854

PLat Block: 8 &
PLat Lot: 1 & 2 &

LAND DATA

Highest & Best Use As If Vacant	MANUFACTURING
Highest & Best Use As Improved	(unknown)
Present Use	Industrial(Heavy)
Land SqFt	54,964
Acres	1.26

Percentage Unusable	0
Unbuildable	NO
Restrictive Size Shape	NO
Zoning	IG2 U/85
Water	WATER DISTRICT
Sewer/Septic	PUBLIC
Road Access	PUBLIC
Parking	ADEQUATE
Street Surface	PAVED

Views

Rainier	
Territorial	
Olympics	
Cascades	
Seattle Skyline	
Puget Sound	
Lake Washington	
Lake Sammamish	
Lake/River/Creek	
Other View	

Waterfront

Waterfront Location	
Waterfront Footage	0
Lot Depth Factor	0
Waterfront Bank	
Tide/Shore	
Waterfront Restricted Access	
Waterfront Access Rights	NO
Poor Quality	NO
Proximity Influence	NO

Designations

Historic Site	
Current Use	(none)
Nbr Bldg Sites	
Adjacent to Golf Fairway	NO
Adjacent to Greenbelt	NO
Other Designation	NO
Deed Restrictions	NO
Development Rights Purchased	NO
Easements	NO
Native Growth Protection Easement	NO
DNR Lease	NO

Nuisances

Topography	
Traffic Noise	
Airport Noise	
Power Lines	NO
Other Nuisances	NO

Problems

Water Problems	NO
Transportation Concurrence	NO
Other Problems	NO

Environmental

Environmental	NO
---------------	----

Reference Links:

- [King County Tax Links](#)
- [Property Tax Advisor](#)
- [Washington State Department of Revenue](#) (External link)
- [Washington State Board of Tax Appeals](#) (External link)
- [Board of Appeals/Equalization](#)
- [Districts Report](#)
- [iMap](#)
- [Recorder's Office](#)

[Scanned images of surveys and other map documents](#)
[Scanned images of plats](#)
Notice mailing date:
08/06/2015

BUILDING

TAX ROLL HISTORY


Account	Valued Year	Tax Year	Omit Year	Levy Code	Appraised Land Value (\$)	Appraised Imps Value (\$)	Appraised Total Value (\$)	New Dollars (\$)	Taxable Land Value (\$)	Taxable Imps Value (\$)	Taxable Total Value (\$)	Tax Value Reason
386840027000	2015	2016		0010	1,429,000	0	1,429,000	0	1,429,000	0	1,429,000	
386840027000	2014	2015		0010	1,429,000	1,278,600	2,707,600	0	1,429,000	1,278,600	2,707,600	
386840027000	2013	2014		0010	1,319,100	1,388,500	2,707,600	0	1,319,100	1,388,500	2,707,600	
386840027000	2012	2013		0010	1,236,600	1,469,000	2,705,600	0	1,236,600	1,469,000	2,705,600	
386840027000	2011	2012		0010	1,236,700	1,692,800	2,929,500	0	1,236,700	1,692,800	2,929,500	
386840027000	2010	2011		0010	1,357,100	1,480,900	2,838,000	0	1,357,100	1,480,900	2,838,000	
386840027000	2009	2010		0010	2,912,500	2,631,600	5,544,100	0	2,912,500	2,631,600	5,544,100	
386840027000	2008	2009		0010	2,783,000	2,761,100	5,544,100	0	2,783,000	2,761,100	5,544,100	
386840027000	2007	2008		0010	2,330,000	2,950,100	5,280,100	0	2,330,000	2,950,100	5,280,100	
386840027000	2006	2007		0010	1,941,600	3,073,200	5,014,800	0	1,941,600	3,073,200	5,014,800	
386840027000	2005	2006		0010	1,941,600	2,858,400	4,800,000	0	1,941,600	2,858,400	4,800,000	
386840027000	2004	2005		0010	1,553,300	2,231,300	3,784,600	0	1,553,300	2,231,300	3,784,600	
386840027000	2003	2004		0010	1,553,300	2,216,600	3,769,900	0	1,553,300	2,216,600	3,769,900	
386840027000	2002	2003		0010	1,553,300	2,185,700	3,739,000	0	1,553,300	2,185,700	3,739,000	
386840027000	2001	2002		0010	1,553,300	1,514,600	3,067,900	0	1,553,300	1,514,600	3,067,900	
386840027000	2000	2001		0010	1,553,300	1,514,600	3,067,900	0	1,553,300	1,514,600	3,067,900	
386840027000	1999	2000		0010	1,294,400	1,703,900	2,998,300	0	1,294,400	1,703,900	2,998,300	
386840027000	1998	1999		0010	1,294,400	1,804,000	3,098,400	724,000	1,294,400	1,804,000	3,098,400	
386840027000	1997	1998		0010	0	0	0	0	1,294,400	1,080,000	2,374,400	
386840027000	1996	1997		0010	0	0	0	0	1,294,400	880,000	2,174,400	
386840027000	1994	1995		0010	0	0	0	0	1,294,400	880,000	2,174,400	
386840027000	1993	1994		0010	0	0	0	0	1,294,400	880,000	2,174,400	
386840027000	1992	1993		0010	0	0	0	0	1,120,000	880,000	2,000,000	
386840027000	1991	1992		0010	0	0	0	0	753,700	1,101,900	1,855,600	
386840027000	1990	1991		0010	0	0	0	0	753,700	1,101,900	1,855,600	
386840027000	1988	1989		0010	0	0	0	0	232,000	420,300	652,300	
386840027000	1987	1988		0010	0	0	0	0	231,600	345,000	576,600	
386840027000	1986	1987		0010	0	0	0	0	231,600	345,000	576,600	
386840027000	1985	1986		0010	0	0	0	0	231,600	345,000	576,600	
386840027000	1984	1985		0010	0	0	0	0	231,600	263,400	495,000	
386840027000	1982	1983		0010	0	0	0	0	133,100	156,000	289,100	

SALES HISTORY

Excise Number	Recording Number	Document Date	Sale Price	Seller Name	Buyer Name	Instrument	Sale Reason
2710332	20150116001333	10/28/2014	\$2,250,000.00	KELLY-MOORE PAINT COMPANY INC	NCD GEORGETOWN LLC	Statutory Warranty Deed	None
2410244	20090929001445	9/28/2009	\$1,800.00	KELLY-MOORE PAINT CO INC	QWEST CORP	Other - See Affidavit	None
2071059	20040921000313	6/28/2004	\$0.00	KM INDUSTRIES HOLDING CO INC	KELLY-MOORE PAINT COMPANY INC	Quit Claim Deed	Other
1945929	20030320000050	3/18/2003	\$500.00			Other - See Affidavit	(Unknown)
695309	198211120680	10/8/1982	\$0.00	PRESERVATIVE PAINT COMPANY INC	AERONAUTICAL MACHINISTS INC	Quit Claim Deed	(Unknown)

REVIEW HISTORY

Tax Year	Review Number	Review Type	Appealed Value	Hearing Date	Settlement Value	Decision	Status
2010	0903753	Local Appeal	\$5,544,100	1/1/1900	\$5,544,100	SUSTAIN	Completed
2009	0811332	Local Appeal	\$5,544,100	1/1/1900	\$5,544,100	SUSTAIN	Completed
2007	0601252	Local Appeal	\$5,014,800	1/1/1900	\$5,014,800	SUSTAIN	Completed
2006	64285	State Appeal	\$4,800,000	8/31/2006	\$4,800,000	SUSTAIN	Completed
2006	0501865	Local Appeal	\$5,014,800	1/1/1900	\$4,800,000	REVISE	Completed
1996	9500695	Local Appeal	\$2,174,400	1/1/1900	\$0		Completed

PERMIT HISTORY						
Permit Number	Permit Description	Type	Issue Date	Permit Value	Issuing Jurisdiction	Reviewed Date
6407657	Construction of storage and office building with caretaker unit and occupy, per plan,	Building, New	5/13/2015	\$3,657,024	SEATTLE	
6425808	Demolish 14906 SF warehouse and office building, per plan.,	Demolition	10/31/2014	\$0	SEATTLE	
6273764	Alterations to change use from warehouse to light manufacturing for brewery, and occupy per plans.	Remodel	4/8/2011	\$25,000	SEATTLE	8/31/2011
696396		Building, New	1/7/1998	\$857,000		
HOME IMPROVEMENT EXEMPTION						
New Search	Property Tax Bill	Map This Property	Glossary of Terms	Area Report	Print Property Detail	

Updated: April 22, 2015

- Share
- Tweet
- Email
- Print

Information for...

- Residents
- Businesses
- Job seekers
- Volunteers
- King County employees

Do more online

- Trip Planner
- Property tax information & payment
- Jail inmate look up
- Parcel viewer or iMap
- Public records
- More online tools...

Contact us

- 206-296-0100
- Email us
- Staff directory
- Customer service
- Report a problem
- Subscribe to alerts

Stay connected! View King County social media



© King County, WA 2016 Privacy Accessibility Terms of use

- Information for...
- Contact us

Do more online

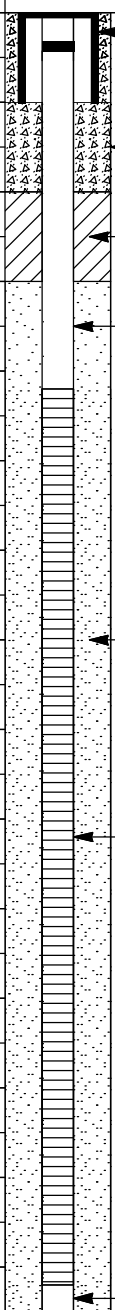
APPENDIX C

Boring Logs and Well Abandonment Records

PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA			Log of Well No. KMW-01		
BORING LOCATION: Inside Building 2			GROUND SURFACE ELEVATION AND DATUM: Ground surface		
DRILLING CONTRACTOR: Cascade Drilling, Inc.			DATE STARTED: 3/23/11	DATE FINISHED: 3/23/11	
DRILLING METHOD: Direct push			TOTAL DEPTH (ft.): 14.0	SCREEN INTERVAL (ft.): 3.61-13.39	
DRILLING EQUIPMENT: Geoprobe 5400 (Limited Access Rig)			DEPTH TO WATER: 5.5	COMPL. NA	CASING: 3/4" Sched. 40 PVC
SAMPLING METHOD: Geoprobe macro-core sampler [3' x 1.5"]			LOGGED BY: S. Mikelich		
HAMMER WEIGHT: NA		DROP: NA	RESPONSIBLE PROFESSIONAL: N. Bacher		REG. NO. L.G. 2528

DEPTH (feet)	SAMPLES			OVM Reading	DESCRIPTION	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
	Sample No.	Sample	Blows/ Foot		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	
					Surface Elevation: 19.37	
0					CONCRETE FLOOR	
1					SILTY GRAVEL with SAND (GM): black (2.5Y 2.5/1), moist, 50% fine to coarse gravel, 30% fine to coarse sand, 20% non-plastic silt	
2					POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), moist to wet, 90% fine to coarse sand, 10% non-plastic fines	
3				0.0		
4						
5					scattered material with burned appearance wet	
6				0.0		
7				0.0		
8				0.0		
9				0.0		
10				0.0		
11					Cannot sample borehole deeper due to flowing sands	
12						
13						
14					bottom of boring at 14 feet	
15						

OAKWELLV (REV. 9/2007)

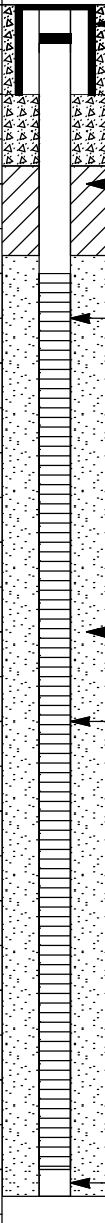
PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA					Log of Well No. KMW-02				
BORING LOCATION: Inside Building 3					GROUND SURFACE ELEVATION AND DATUM: Ground surface				
DRILLING CONTRACTOR: Cascade Drilling, Inc.					DATE STARTED: 3/18/11		DATE FINISHED: 3/18/11		
DRILLING METHOD: Hollow-stem auger					TOTAL DEPTH (ft.): 14.5		SCREEN INTERVAL (ft.): 3.97-13.73		
DRILLING EQUIPMENT: Limited Access Rig					DEPTH TO WATER:	FIRST 5.5	COMPL. NA	CASING: 2" Sched. 40 PVC	
SAMPLING METHOD: Split-spoon drive sampler [18" x 2"]					LOGGED BY: S. Mikelich				
HAMMER WEIGHT: 140 lbs			DROP: 30"		RESPONSIBLE PROFESSIONAL: N. Bacher			REG. NO. L.G. 2528	
DEPTH (feet)	SAMPLES			OVM Reading	DESCRIPTION		WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS		
	Sample No.	Sample	Blows/ Foot		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.				
					Surface Elevation: 19.79				
0	KMW-02-0311-5				CONCRETE FLOOR		 <p>Traffic Box 8" traffic grade flushmount.</p> <p>8.0" diameter borehole</p> <p>Bentonite 3/8" chip seal</p> <p>2" diameter Schedule 40 PVC casing</p> <p>2/12 filter pack sand</p> <p>2" diameter, 0.010" continuous slot, Schedule 40 PVC screen</p> <p>2" diameter, Schedule 40 PVC endcap</p>		
1					WELL GRADED SAND with SILT and GRAVEL (SW-SM): black (2.5Y 2.5/1), moist, 60% fine to coarse sand, 20% fine to coarse gravel, 10% non-plastic silt, 10% debris (wood, bricks, etc.)				
2			7 4	0.0					
3			3		SILTY SAND (SM): dark reddish brown (5YR 3/3), moist to wet, 80% fine to medium sand, 20% non-plastic fines				
4			9 12 10	0.0					
5									
6			9 10 11	0.0	wet				
7									
8			12 13 16	0.0	red staining (FeOx)				
9									
10			14 15 18	0.0					
11			15 20 18	0.0					
12									
13			15 16 11	0.0					
14					Flowing sands- cannot continuously sample any deeper.				
15				Bottom of boring at 14.5 feet					
					OAKWELLV (REV. 9/2007)				
AMEC Geomatrix					Project No. 14697		Page 1 of 1		

PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA		Log of Well No. KMW-03	
BORING LOCATION: Former UST Area, East of building 10		GROUND SURFACE ELEVATION AND DATUM: Ground surface	
DRILLING CONTRACTOR: Cascade Drilling, Inc.		DATE STARTED: 3/18/11	DATE FINISHED: 3/18/11
DRILLING METHOD: Hollow-stem auger		TOTAL DEPTH (ft.): 13.5	SCREEN INTERVAL (ft.): 3.64-13.42
DRILLING EQUIPMENT: Limited Access Rig		DEPTH TO WATER: 4.5	COMPL. NA CASING: 2" Sched. 40 PVC
SAMPLING METHOD: Split-spoon drive sampler [18" x 2"]		LOGGED BY: S. Mikelich	
HAMMER WEIGHT: 140 lbs	DROP: 30"	RESPONSIBLE PROFESSIONAL: N. Bacher	REG. NO. L.G. 2528

DEPTH (feet)	SAMPLES		OVM Reading	DESCRIPTION	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
	Sample No.	Sample Blows/ Foot		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	
				Surface Elevation: 18.64	
0				No Recovery	
1					
2		4 17 20	89.9	POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), moist to wet, 80% fine to coarse sand, 10% non-plastic fines, 5% fine gravel, 5% debris, strong odor	
3		12 9 6	437		
4					
5		12 9 9	990	wet	
6		10 11 9	986	POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), wet, 90% fine to coarse sand, 10% non-plastic fines, trace fine gravel, strong odor	
7					
8		12 14 15	648		
9		12 13 16	230		
10					
11		17 19 20	1178		
12		17 25 30	482		
13				Bottom of boring at 13.5 feet	
14					
15					

OAKWELLV (REV. 9/2007)

PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA		Log of Well No. KMW-04	
BORING LOCATION: Near NW corner of S Warehouse		GROUND SURFACE ELEVATION AND DATUM: Ground surface	
DRILLING CONTRACTOR: Cascade Drilling, Inc.		DATE STARTED: 3/17/11	DATE FINISHED: 3/17/11
DRILLING METHOD: Hollow-stem auger		TOTAL DEPTH (ft.): 13.5	SCREEN INTERVAL (ft.): 3.2-13.2
DRILLING EQUIPMENT: Limited Access Rig		DEPTH TO WATER: 4.8	COMPL. NA CASING: 2" Sched. 40 PVC
SAMPLING METHOD: Split-spoon drive sampler [18" x 2"]		LOGGED BY: S. Mikelich	
HAMMER WEIGHT: 140 lbs	DROP: 30"	RESPONSIBLE PROFESSIONAL: N. Bacher	REG. NO. L.G. 2528

DEPTH (feet)	SAMPLES			OVM Reading	DESCRIPTION	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
	Sample No.	Sample	Blows/ Foot		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	
					Surface Elevation: 18.64	
0	KMW-04-0311-2				No Recovery- Asphalt	 <p>Traffic Box 8" traffic grade flushmount.</p> <p>8.0" diameter borehole</p> <p>Bentonite 3/8" chip seal</p> <p>2" diameter Schedule 40 PVC casing</p> <p>2/12 filter pack sand</p> <p>2" diameter, 0.010" continuous slot, Schedule 40 PVC screen</p> <p>2" diameter, Schedule 40 PVC endcap</p>
1					SILTY SAND (SM): black (2.5Y 2.5/1), moist, 80% fine to coarse sand, 20% non-plastic fines, trace fine gravel	
2					SILTY SAND (SM): black (2.5Y 2.5/1), moist to wet, 80% fine to coarse sand, 20% non-plastic fines, strong odor	
3	KMW-04-0311-4.5		15 15 16			
4			12 12 12			
5			5 5 10		wet	
6			5 4 5			
7			3 5 10			
8			5 6 7			
9			10 10 10			
10			8 9 10			
11						
12						
13					Sand content increases to 90% at 13 feet	
14					Bottom of boring at 13.5 feet	
15						

PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA		Log of Well No. KMW-05	
BORING LOCATION: Former UST Area		GROUND SURFACE ELEVATION AND DATUM: Ground surface	
DRILLING CONTRACTOR: Cascade Drilling, Inc.		DATE STARTED: 3/17/11	DATE FINISHED: 3/17/11
DRILLING METHOD: Hollow-stem auger		TOTAL DEPTH (ft.): 13.5	SCREEN INTERVAL (ft.): 3.28-12.74
DRILLING EQUIPMENT: Limited Access Rig		DEPTH TO WATER: 4	COMPL. NA CASING: 2" Sched. 40 PVC
SAMPLING METHOD: Split-spoon drive sampler [18" x 2"]		LOGGED BY: S. Mikelich	
HAMMER WEIGHT: 140 lbs	DROP: 30"	RESPONSIBLE PROFESSIONAL: N. Bacher	REG. NO. L.G. 2528

DEPTH (feet)	SAMPLES			OVM Reading	DESCRIPTION	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
	Sample No.	Sample	Blows/ Foot		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	
					Surface Elevation: 18.88	
0					CONCRETE FLOOR	
1					SILTY SAND with GRAVEL (SM): dark grayish brown (2.5Y 4/2), moist, 70% fine to coarse sand, 20% non-plastic fines, 10% fine to coarse gravel	
2			30 17 30	0.0		
3			17 15 12	0.0		
4					lense of burned material, mostly wood	
5			8 6 6	0.0	wet	
6					POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), moist to wet, 90% fine to coarse sand, 10% non-plastic fines	
7			12 12 18	0.0		
8			18 20 24	0.0		
9			13 18 40	0.0	POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), moist to wet, 90% fine to medium sand, 5% fine gravel, 5% non-plastic fines	
10						
11			7 12 30	0.0	Red staining (FeOx)	
12					Cannot sample borehole deeper due to flowing sands.	
13						
14					Bottom of boring at 13.5 feet	
15						

OAKWELLV (REV. 9/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA					Log of Boring No. KM-6				
BORING LOCATION: Building 10 loading dock					ELEVATION AND DATUM: Not surveyed; datum is ground surface				
DRILLING CONTRACTOR: Cascade Drilling, Inc.					DATE STARTED: 8/7/09		DATE FINISHED: 8/7/09		
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 10.0		MEASURING POINT: Ground surface		
DRILLING EQUIPMENT: Power Probe 9630 Pro-D					DEPTH TO WATER (ft.)		FIRST 5.5	COMPL. NA	
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]					LOGGED BY: C. Brown				
HAMMER WEIGHT: NA			DROP: NA		RESPONSIBLE PROFESSIONAL: N. Gray			REG. NO. L.G. 2557	

DEPTH (feet)	SAMPLES			OVM READING (ppm)	DESCRIPTION	REMARKS
	Sample No.	Recovery	Blows/ Foot		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	
					Surface Elevation: Not Surveyed	
				23	CONCRETE	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1	KM-6-0809-2			144	POORLY GRADED SAND (SP): dark grayish brown (10YR 4/2), damp, 95% fine to coarse sand, 5% fines, some Iron oxide staining on coarse grained sediment	OVM=PhotoVAC 2020 PID calibrated with 100 ppm Isobutylene standard.
2						
3	KM-6-0809-4			688	↓ very dark gray (10YR 3/1)	
4						
5				595	↓ wet	
6				158		
7				25		
8						Hydropunch II driven from 10 to 14'. Sleeve retracted 4 feet to expose screen from 10 to 14'. Sample KM-6-0809-W collected.
9						
10						Boring not logged from 10-14'.
11						
12						
13						
14					Bottom of boring at 14.0 feet.	Borehole destroyed using bentonite chips placed from ground surface, and hydrated with water.
15						

AMEC Geomatrix		Project No. 14697.000	Page 1 of 1
-----------------------	--	-----------------------	-------------

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA					Log of Boring No. KM-7				
BORING LOCATION: Building 10					ELEVATION AND DATUM: Not surveyed; datum is ground surface				
DRILLING CONTRACTOR: Cascade Drilling, Inc.					DATE STARTED: 8/7/09		DATE FINISHED: 8/7/09		
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 10.0		MEASURING POINT: Ground surface		
DRILLING EQUIPMENT: Power Probe 9630 Pro-D					DEPTH TO WATER (ft.)		FIRST 8.0	COMPL. NA	
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]					LOGGED BY: C. Brown				
HAMMER WEIGHT: NA			DROP: NA		RESPONSIBLE PROFESSIONAL: N. Gray			REG. NO. L.G. 2557	

DEPTH (feet)	SAMPLES			OVM READING (ppm)	DESCRIPTION	REMARKS
	Sample No.	Recovery	Blows/ Foot		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	
					Surface Elevation: Not Surveyed	
1	KM-7-0809-2			1119	CONCRETE	Boring cored from 0 to 0.5 feet bgs using a concrete corer. OVM=PhotoVAC 2020 PID calibrated with 100 ppm Isobutylene standard.
2				1073	SILT with SAND (ML): black (N 2.5/), moist, 80% fines, 20% fine sand, low plasticity, charcoal-like appearance	
3				28	POORLY GRADED SAND (SP): black (N 2.5/), moist, 85% fine to coarse sand, 10% fine and coarse gravel, 5% non-plastic fines	
4	KM-7-0809-7				rusty colored weathering	Hydropunch II driven from 10 to 14'. Sleeve retracted 4 feet to expose screen from 10 to 14'. Sample KM-7-0809-W collected.
5				512	WELL GRADED SAND with SILT (SW-SM): dark gray (10YR 4/1), moist, 90% fine to coarse sand, 10% low-plasticity fines	
6				47		
7				293		
8				398	↓ wet	Boring not logged from 10-14'. Borehole destroyed using bentonite chips placed from ground surface, and hydrated with water.
9						
10						
11						
12						
13						
14					Bottom of boring at 14.0 feet.	
15						

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA					Log of Boring No. KM-8				
BORING LOCATION: Building 10					ELEVATION AND DATUM: Not surveyed; datum is ground surface				
DRILLING CONTRACTOR: Cascade Drilling, Inc.					DATE STARTED: 8/7/09		DATE FINISHED: 8/7/09		
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 10.0		MEASURING POINT: Ground surface		
DRILLING EQUIPMENT: Power Probe 9630 Pro-D					DEPTH TO WATER (ft.)		FIRST 8.0	COMPL. NA	
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]					LOGGED BY: C. Brown				
HAMMER WEIGHT: NA			DROP: NA		RESPONSIBLE PROFESSIONAL: N. Gray			REG. NO. L.G. 2557	

DEPTH (feet)	SAMPLES			OVM READING (ppm)	DESCRIPTION	REMARKS
	Sample No.	Recovery	Blows/ Foot		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	
					Surface Elevation: Not Surveyed	
1	KM-8-0809-2			0	Concrete	Boring cored from 0 to 0.5 feet bgs using a concrete corer. OVM=PhotoVAC 2020 PID calibrated with 100 ppm Isobutylene standard.
2				0	SILT with SAND (ML): black (N 2.5/), moist, 80% fines, 20% fine sand, low plasticity, burned charcoal like appearance	
3				0		
4	KM-8-0809-7			321	WELL GRADED SAND (SW): dark brown (10YR 3/3), moist, 95% fine to coarse sand, 5% non-plastic fines	Hydropunch II driven from 10 to 14'. Sleeve retracted 4 feet to expose screen from 10 to 14'. Sample KM-8-0809-W collected.
5				1327		
6				1859		
7				1241		
8				1237		
9					↓ wet, petroleum-like sheen	Boring not logged from 10-14'. Borehole destroyed using bentonite chips placed from ground surface, and hydrated with water.
10						
11						
12						
13						
14					Bottom of boring at 14.0 feet.	
15						

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA					Log of Boring No. KM-9				
BORING LOCATION: Building 8 West					ELEVATION AND DATUM: Not surveyed; datum is ground surface				
DRILLING CONTRACTOR: Cascade Drilling, Inc.					DATE STARTED: 8/5/09		DATE FINISHED: 8/5/09		
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 10.0		MEASURING POINT: Ground surface		
DRILLING EQUIPMENT: Power Probe 9630 Pro-D					DEPTH TO WATER (ft.)		FIRST 7.0	COMPL. NA	
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]					LOGGED BY: C. Brown				
HAMMER WEIGHT: NA			DROP: NA		RESPONSIBLE PROFESSIONAL: N. Gray			REG. NO. L.G. 2557	

DEPTH (feet)	SAMPLES			OVM READING (ppm)	DESCRIPTION	REMARKS
	Sample No.	Recovery	Blows/ Foot		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	
					Surface Elevation: Not Surveyed	
0				0	POORLY GRADED SAND (SP): dark brown (10YR 3/3), moist, 90% fine to coarse sand, 5% fine gravel, 5% non-plastic fines	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1	KM-9-0809-2			0		OVM=PhotoVAC 2020 PID calibrated with 100 ppm Isobutylene standard.
2						
3						
4						
5	KM-9-0809-7			0		
6				12		
7					↓ wet, slight yellowish staining, slight sheen on soil, moderate odor	
8				14		
9				15		Hydropunch II driven from 10 to 14'. Sleeve retracted 4 feet to expose screen from 10 to 14'. Sample KM-8-0809-W collected.
10						Boring not logged from 10-14'.
11						
12						
13						
14					Bottom of boring at 14.0 feet.	Borehole destroyed using bentonite chips placed from ground surface, and hydrated with water.
15						

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA					Log of Boring No. KM-10				
BORING LOCATION: Building 7					ELEVATION AND DATUM: Not surveyed; datum is ground surface				
DRILLING CONTRACTOR: Cascade Drilling, Inc.					DATE STARTED: 8/6/09		DATE FINISHED: 8/6/09		
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 10.0		MEASURING POINT: Ground surface		
DRILLING EQUIPMENT: Power Probe 9630 Pro-D					DEPTH TO WATER (ft.)		FIRST 8.0	COMPL. NA	
SAMPLING METHOD: Geoprobe macro-core sampler [3' x 1.5"]					LOGGED BY: C. Brown				
HAMMER WEIGHT: NA			DROP: NA		RESPONSIBLE PROFESSIONAL: N. Gray			REG. NO. L.G. 2557	

DEPTH (feet)	SAMPLES			OVM READING (ppm)	DESCRIPTION	REMARKS
	Sample No.	Recovery	Blows/ Foot		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	
					Surface Elevation: Not Surveyed	
					CONCRETE	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1	KM-10-0809-2			348	POORLY GRADED SAND (SP): dark brown (10YR 3/3), moist, 85% fine to coarse sand, 10% fine and coarse gravel, 5% non-plastic fines, wood fragments in shoe	OVM=PhotoVAC 2020 PID calibrated with 100 ppm Isobutylene standard.
2				1040		
3				564	POORLY GRADED SAND (SP): dark brown (10YR 3/3), moist, 95% fine to coarse sand, 5% non-plastic fines, contains wood debris	
4				167		
5	KM-10-0809-5.5			171		
6				380		
7				175		
8				422	↓ wet, dark gray	Hydropunch II driven from 10 to 14'. Sleeve retracted 4 feet to expose screen from 10 to 14'. Sample KM-10-0809-W collected.
9				412		
10				22		Boring not logged from 10-14'.
11						
12						
13						
14					Bottom of boring at 14.0 feet.	Borehole destroyed using bentonite chips placed from ground surface, and hydrated with water.
15						

AMEC Geomatrix

Project No. 14697.000

Page 1 of 1

OAKBORE V (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA					Log of Boring No. KM-11				
BORING LOCATION: Building 7					ELEVATION AND DATUM: Not surveyed; datum is ground surface				
DRILLING CONTRACTOR: Cascade Drilling, Inc.					DATE STARTED: 8/6/09		DATE FINISHED: 8/6/09		
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 10.0		MEASURING POINT: Ground surface		
DRILLING EQUIPMENT: Power Probe 9630 Pro-D					DEPTH TO WATER (ft.)		FIRST 8.0	COMPL. NA	
SAMPLING METHOD: Geoprobe macro-core sampler [3' x 1.5"]					LOGGED BY: C. Brown				
HAMMER WEIGHT: NA			DROP: NA		RESPONSIBLE PROFESSIONAL: N. Gray			REG. NO. L.G. 2557	

DEPTH (feet)	SAMPLES			OVM READING (ppm)	DESCRIPTION	REMARKS
	Sample No.	Recovery	Blows/ Foot		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	
					Surface Elevation: Not Surveyed	
1	KM-11-0809-2.5			0	CONCRETE	Boring cored from 0 to 0.5 feet bgs using a concrete corer. OVM=PhotoVAC 2020 PID calibrated with 100 ppm Isobutylene standard.
2				0	POORLY GRADED SAND (SP): brown (10YR 5/3), moist, 95% fine to coarse sand, 5% non-plastic fines 90% fine to coarse sand, 5% fine and coarse gravel, 5% non-plastic fines, possibly burnt debris, charcoal-like streak	
3				0	POORLY GRADED SAND (SP): dark brown (10YR 3/3), moist, 95% fine to coarse sand, 5% non-plastic fines	
4	KM-11-0809-7			0		
5				0		
6				0		
7				0		
8				0	wet	Hydropunch II driven from 10 to 14'. Sleeve retracted 4 feet to expose screen from 10 to 14'. Sample KM-11-0809-W collected.
9				0		
10				0	rusty colored weathering	
11						Boring not logged from 10-14'.
12						
13						
14					Bottom of boring at 14.0 feet.	Borehole destroyed using bentonite chips placed from ground surface, and hydrated with water.
15						

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA					Log of Boring No. KM-12				
BORING LOCATION: Building 9 loading dock					ELEVATION AND DATUM: Not surveyed; datum is ground surface				
DRILLING CONTRACTOR: Cascade Drilling, Inc.					DATE STARTED: 8/7/09		DATE FINISHED: 8/7/09		
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 10.0		MEASURING POINT: Ground surface		
DRILLING EQUIPMENT: Power Probe 9630 Pro-D					DEPTH TO WATER (ft.)		FIRST 5.5	COMPL. NA	
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]					LOGGED BY: C. Brown				
HAMMER WEIGHT: NA			DROP: NA		RESPONSIBLE PROFESSIONAL: N. Gray			REG. NO. L.G. 2557	

DEPTH (feet)	SAMPLES			OVM READING (ppm)	DESCRIPTION	REMARKS
	Sample No.	Recovery	Blows/ Foot		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	
					Surface Elevation: Not Surveyed	
0					CONCRETE	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1	KM-12-0809-2			0	POORLY GRADED SAND (SP): very dark grayish brown (10YR 4/2), moist, 95% fine to coarse sand, 5% non-plastic fines	OVM=PhotoVAC 2020 PID calibrated with 100 ppm Isobutylene standard.
2				0		
3				0	moist, yellowish brown (10YR 5/4), some iron oxide staining on coarse grained sediment	
4	KM-12-0809-5					
5				0		
6				11.3	wet fine well graded sand	
7				0	dark gray (10YR 4/1)	
8				0		Hydropunch II driven from 10 to 14'. Sleeve retracted 4 feet to expose screen from 10 to 14'. Sample KM-12-0809-W collected.
9				0		
10				0		
11						Boring not logged from 10-14'.
12						
13						
14					Bottom of boring at 14.0 feet.	Borehole destroyed using bentonite chips placed from ground surface, and hydrated with water.
15						

AMEC Geomatrix

Project No. 14697.000

Page 1 of 1

OAKBORE (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA					Log of Boring No. KM-13					
BORING LOCATION: Building 12					ELEVATION AND DATUM: Not surveyed; datum is ground surface					
DRILLING CONTRACTOR: Cascade Drilling, Inc.					DATE STARTED: 8/6/09		DATE FINISHED: 8/6/09			
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 2.0		MEASURING POINT: Ground surface			
DRILLING EQUIPMENT: Power Probe 9630 Pro-D					DEPTH TO WATER (ft.)		FIRST NA		COMPL. NA	
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]					LOGGED BY: C. Brown					
HAMMER WEIGHT: NA			DROP: NA			RESPONSIBLE PROFESSIONAL: N. Gray			REG. NO. L.G. 2557	
DEPTH (feet)	SAMPLES			OVM READING (ppm)	DESCRIPTION		REMARKS			
	Sample No.	Recovery	Blows/ Foot		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.					
					Surface Elevation: Not Surveyed					
	KM-13-0809-2			0	CONCRETE		Boring cored from 0 to 0.5 feet bgs using a concrete corer. OVM=PhotoVAC 2020 PID calibrated with 100 ppm Isobutylene standard. Borehole destroyed using bentonite chips placed from ground surface, and hydrated with water.			
1					POORLY GRADED SAND with GRAVEL (SP): brown (10YR 4/3), moist, 80% fine to coarse sand, 15% fine and coarse gravel, 5% non-plastic fines					
2				0	Boring refusal at 2.0 feet, due to concrete.					
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
AMEC Geomatrix					Project No. 14697.000		Page 1 of 1			

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA					Log of Boring No. KM-14				
BORING LOCATION: Building 5A					ELEVATION AND DATUM: Not surveyed; datum is ground surface				
DRILLING CONTRACTOR: Cascade Drilling, Inc.					DATE STARTED: 8/6/09		DATE FINISHED: 8/6/09		
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 10.0		MEASURING POINT: Ground surface		
DRILLING EQUIPMENT: Power Probe 9630 Pro-D					DEPTH TO WATER (ft.)		FIRST 7.0	COMPL. NA	
SAMPLING METHOD: Geoprobe macro-core sampler [5' x 1.5"]					LOGGED BY: C. Brown				
HAMMER WEIGHT: NA			DROP: NA		RESPONSIBLE PROFESSIONAL: N. Gray			REG. NO. L.G. 2557	

DEPTH (feet)	SAMPLES			OVM READING (ppm)	DESCRIPTION	REMARKS
	Sample No.	Recovery	Blows/ Foot		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	
					Surface Elevation: Not Surveyed	
1	KM-14-0809-2			0	CONCRETE	Boring cored from 0 to 0.5 feet bgs using a concrete corer. OVM=PhotoVAC 2020 PID calibrated with 100 ppm Isobutylene standard.
2				0	POORLY GRADED SAND (SP): dark brown (10YR 3/3), moist, 85% fine to coarse sand, 10% fine angular gravel, 5% non-plastic fines, some iron oxide staining on coarse grained sediments	
3				0		
4	KM-14-0809-7				Fill, crushed concrete, dry, dusty with rounded fine gravel	Hydropunch II driven from 10 to 14'. Sleeve retracted 4 feet to expose screen from 10 to 14'. Sample KM-14-0809-W collected.
5				6.8	SILTY SAND with GRAVEL (SM): very dark gray (10YR 3/1), moist, 70% fine to coarse sand, 15% fine and coarse gravel, 15% low plasticity fines	
6				20		
7					↓ wet, 20% fine and coarse gravel, trace wood debris	
8				45	SILTY SAND (SM): very dark gray (10YR 3/1), wet, 85% fine to coarse sand, 15% low plasticity fines, visible sheen	
9				206		Boring not logged from 10-14'. Borehole destroyed using bentonite chips placed from ground surface, and hydrated with water.
10				82		
11						
12						
13						
14					Bottom of boring at 14.0 feet.	
15						

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA					Log of Boring No. KM-15				
BORING LOCATION: Building 5					ELEVATION AND DATUM: Not surveyed; datum is ground surface				
DRILLING CONTRACTOR: Cascade Drilling, Inc.					DATE STARTED: 8/6/09		DATE FINISHED: 8/6/09		
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 10.0		MEASURING POINT: Ground surface		
DRILLING EQUIPMENT: Power Probe 9630 Pro-D					DEPTH TO WATER (ft.)		FIRST 7.0	COMPL. NA	
SAMPLING METHOD: Geoprobe macro-core sampler [5' x 1.5"]					LOGGED BY: C. Brown				
HAMMER WEIGHT: NA			DROP: NA		RESPONSIBLE PROFESSIONAL: N. Gray			REG. NO. L.G. 2557	

DEPTH (feet)	SAMPLES			OVM READING (ppm)	DESCRIPTION	REMARKS
	Sample No.	Recovery	Blows/ Foot		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	
					Surface Elevation: Not Surveyed	
1				0	CONCRETE	Boring cored from 0 to 0.5 feet bgs using a concrete corer. OVM=PhotoVAC 2020 PID calibrated with 100 ppm Isobutylene standard.
2					POORLY GRADED SAND with SILT and GRAVEL (SP-SM): black (N 2.5/), moist, 55% fine to coarse sand, 35% fine and coarse gravel, 10% non-plastic fines, contains burnt material	
3				0		
4						
5				0	POORLY GRADED SAND (SP): dark gray (10YR 4/1), moist, 95% fine sand, 5% non-plastic fines	Hydropunch II driven from 10 to 14'. Sleeve retracted 4 feet to expose screen from 10 to 14'. Sample KM-15-0809-W collected.
6					wood chips and sawdust	
7				0	SANDY SILT (ML): gray (5G 5/1), moist, 65% fines, 30% fine sand, 5% fine gravel, low plasticity	
8					POORLY GRADED SAND (SP): dark grayish brown (10YR 4/2), wet, 95% fine to coarse sand, 5% non-plastic fines, some iron oxide staining on coarse grained sediments	
9						
10						Boring not logged from 10-14'.
11						
12						
13						
14					Bottom of boring at 14.0 feet.	Borehole destroyed using bentonite chips placed from ground surface, and hydrated with water.
15						

AMEC Geomatrix

Project No. 14697.000

Page 1 of 1

OAKBOREVIEW (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA					Log of Boring No. KM-16				
BORING LOCATION: Building 3					ELEVATION AND DATUM: Not surveyed; datum is ground surface				
DRILLING CONTRACTOR: Cascade Drilling, Inc.					DATE STARTED: 8/6/09		DATE FINISHED: 8/6/09		
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 10.0		MEASURING POINT: Ground surface		
DRILLING EQUIPMENT: Power Probe 9630 Pro-D					DEPTH TO WATER (ft.)		FIRST 9.0	COMPL. NA	
SAMPLING METHOD: Geoprobe macro-core sampler [5' x 1.5"]					LOGGED BY: C. Brown				
HAMMER WEIGHT: NA			DROP: NA		RESPONSIBLE PROFESSIONAL: N. Gray			REG. NO. L.G. 2557	

DEPTH (feet)	SAMPLES			OVM READING (ppm)	DESCRIPTION	REMARKS
	Sample No.	Recovery	Blows/ Foot		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	
					Surface Elevation: Not Surveyed	
1				0	CONCRETE	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
2					POORLY GRADED SAND with GRAVEL (SP): black (N 2.5/), moist, 75% medium to coarse sand, 20% fine gravel, 5% non-plastic fines, contains burnt brick fragments, some iron oxide staining on coarse grained sediments	OVM=PhotoVAC 2020 PID calibrated with 100 ppm Isobutylene standard.
3				0		
4	KM-16-0809-4					
5						
6				0		
7					WELL GRADED SAND (SW): dark brown (10YR 3/3), moist, 95% fine to coarse sand, 5% non-plastic fines, trace rusty weathering	
8	KM-16-0809-8			0		Hydropunch II driven from 10 to 14'. Sleeve retracted 4 feet to expose screen from 10 to 14'. Sample KM-16-0809-W collected.
9					↓ wet	
10						Boring not logged from 10-14'.
11						
12						
13						
14					Bottom of boring at 14.0 feet.	Borehole destroyed using bentonite chips placed from ground surface, and hydrated with water.
15						

AMEC Geomatrix

Project No. 14697.000

Page 1 of 1

OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA					Log of Boring No. KM-17		
BORING LOCATION: Building 3					ELEVATION AND DATUM: Not surveyed; datum is ground surface		
DRILLING CONTRACTOR: Cascade Drilling, Inc.					DATE STARTED: 12/23/09		DATE FINISHED: 12/23/09
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 12.0		MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630 Pro-D					DEPTH TO WATER (ft.)		FIRST 8.0
							COMPL. NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]					LOGGED BY: C. Brown		
HAMMER WEIGHT: NA			DROP: NA		RESPONSIBLE PROFESSIONAL: N. Gray		REG. NO. L.G. 2557

DEPTH (feet)	SAMPLES			OVM READING (ppm)	DESCRIPTION	REMARKS
	Sample No.	Sample	Blows/ 6 inches		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	
					Surface Elevation: Not Surveyed	
1	KM-17-2.0-1209			0/0 (HS)	POORLY GRADED GRAVEL with SILT and SAND (GP-GM): very dark gray (10YR 3/1), moist, 60% fine gravel, 30% fine to coarse sand, 10% non-plastic fines crushed rock	OVM= Photovac 2020i PID calibrated with 100 ppm isobutylene standard. Headspace (HS) readings collected in baggie.
2					POORLY GRADED SAND (SP): dark brown (10YR 3/3), moist, 95% fine to coarse sand, 5% non-plastic fines	
3						
4						
5	KM-17-8.0-1209			0		Stainless steel hydropunch sampler (0.010 slot) driven from 7.5 to 11.5'. Sleeve retracted 4 feet to expose screen from 7.5 to 11.5'. Groundwater sample KM-17-W-1209 collected.
6				0/0 (HS)		
7				0		
8				0		
9				0/0 (HS)		
10				0		
11						
12					Bottom of boring at 12.0 feet bgs. Borehole abandoned with hydrated bentonite chips.	
13						
14						
15						

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA					Log of Boring No. KM-18				
BORING LOCATION: Building 3					ELEVATION AND DATUM: Not surveyed; datum is ground surface				
DRILLING CONTRACTOR: Cascade Drilling, Inc.					DATE STARTED: 12/23/09		DATE FINISHED: 12/23/09		
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 12.0		MEASURING POINT: Ground surface		
DRILLING EQUIPMENT: Power Probe 9630 Pro-D					DEPTH TO WATER (ft.)		FIRST 8.0	COMPL. NA	
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]					LOGGED BY: C. Brown				
HAMMER WEIGHT: NA			DROP: NA		RESPONSIBLE PROFESSIONAL: N. Gray			REG. NO. L.G. 2557	

DEPTH (feet)	SAMPLES			OVM READING (ppm)	DESCRIPTION	REMARKS
	Sample No.	Sample	Blows/ 6 inches		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	
					Surface Elevation: Not Surveyed	
1				0	POORLY GRADED GRAVEL with SAND (GP): black (10YR 2/1), moist, 60% fine gravel, 35% fine to coarse sand, 5% non-plastic fines	OVM= Photovac 2020i PID calibrated with 100 ppm isobutylene standard. Headspace (HS) readings collected in baggie.
1.1				1.1/0.0 (HS)	blackened slag	
2				1.2	POORLY GRADED SAND (SP): very dark gray (10YR 3/1), moist, 95% fine to medium sand, 5% non-plastic fines	
3				1.3		
4				2.2/0.1 (HS)	small wood piece, light sheen and odor	
5				1.9		
6				0	wet	
7				0/0 (HS)		
8				0		
9						
10						Stainless steel hydropunch sampler (0.010 slot) driven from 7.5 to 11.5'. Sleeve retracted 4 feet to expose screen from 7.5 to 11.5'. Groundwater sample KM-18-W-1209 collected.
11						
12						
13					Bottom of boring at 12.0 feet bgs. Borehole abandoned with hydrated bentonite chips.	
14						
15						

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA					Log of Boring No. KM-19			
BORING LOCATION: Building 3					ELEVATION AND DATUM: Not surveyed; datum is ground surface			
DRILLING CONTRACTOR: Cascade Drilling, Inc.					DATE STARTED: 12/23/09		DATE FINISHED: 12/23/09	
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 9.0		MEASURING POINT: Ground surface	
DRILLING EQUIPMENT: Geoprobe 420M					DEPTH TO WATER (ft.)		FIRST 7.5	COMPL. NA
SAMPLING METHOD: Enviro-core sampling system [3' x 1.5"]					LOGGED BY: C. Brown			
HAMMER WEIGHT: NA			DROP: NA		RESPONSIBLE PROFESSIONAL: N. Gray		REG. NO. L.G. 2557	

DEPTH (feet)	SAMPLES			OVM READING (ppm)	DESCRIPTION	REMARKS
	Sample No.	Sample	Blows/ 6 inches		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	
					Surface Elevation: Not Surveyed	
1				1.1	POORLY GRADED SAND with GRAVEL (SP): very dark brown (10YR 2/2), moist, 80% fine to coarse sand, 15% fine gravel, 5% non-plastic fines	OVM= Photovac 2020i PID calibrated with 100 ppm isobutylene standard. Headspace (HS) readings collected in baggie.
2				2.4/10.2 (HS)		
3					SILT with SAND (ML): gray (N 5/), moist, 80% low plasticity fines, 20% fine sand, medium stiff, orange mottling, sand interbedded	
4				31.1/52.1 (HS)		Stainless steel hydropunch sampler (0.010 slot) driven from 7.5 to 11.5'. Sleeve retracted 4 feet to expose screen from 7.5 to 11.5'. Groundwater sample KM-19-W-1209 collected.
5						
6					POORLY GRADED SAND (SP): black (10YR 2/1), moist, 95% fine to coarse sand, 5% non-plastic fines, strong VOC-like odor	
7				131		
8				277/335 (HS)	<div> <div></div> <div>wet</div> </div>	
9					Bottom of boring at 9.0 feet bgs. Borehole abandoned with hydrated bentonite chips.	
10						
11						
12						
13						
14						
15						

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA					Log of Boring No. KM-20					
BORING LOCATION: Building 3					ELEVATION AND DATUM: Not surveyed; datum is ground surface					
DRILLING CONTRACTOR: Cascade Drilling, Inc.					DATE STARTED: 12/23/09		DATE FINISHED: 12/23/09			
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 12.0		MEASURING POINT: Ground surface			
DRILLING EQUIPMENT: Geoprobe 420M					DEPTH TO WATER (ft.)		FIRST 8.0		COMPL. NA	
SAMPLING METHOD: Enviro-core sampling system [3' x 1.5"]					LOGGED BY: C. Brown					
HAMMER WEIGHT: NA			DROP: NA			RESPONSIBLE PROFESSIONAL: N. Gray			REG. NO. L.G. 2557	
DEPTH (feet)	SAMPLES			OVM READING (ppm)	DESCRIPTION				REMARKS	
	Sample No.	Sample	Blows/ 6 inches		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.					
					Surface Elevation: Not Surveyed					
1	KM-20-3-1209			0	POORLY GRADED SAND with GRAVEL (SP): very dark brown (10YR 2/2), moist, 75% fine to coarse sand, 20% fine and coarse gravel, 5% non-plastic fines, trace pieces of slag				OVM= Photovac 2020i PID calibrated with 100 ppm isobutylene standard. Headspace (HS) readings collected in baggie.	
				2.1/0 (HS)						
2										
3					0.4	SILT (ML): gray (10YR 5/1), moist, 90% fines, 10% fine sand, low plasticity, medium stiff, orange mottling				
4				0.0/0.6 (HS)						
5	KM-20-7-1209				POORLY GRADED SAND (SP): dark reddish brown (5YR 2.5/2), moist, 95% fine to coarse sand, 5% non-plastic fines				Stainless steel hydropunch sampler (0.010 slot) driven from 7.5 to 11.5'. Sleeve retracted 4 feet to expose screen from 7.5 to 11.5'. Groundwater sample KM-20-W-1209 collected.	
6				0						
7					0/0 (HS)					
8						black (5YR 2.5/1), wet				
9										
10				0/0 (HS)	scattered fine gravel <5%					
11										
12					Bottom of boring at 12.0 feet. Borehole abandoned with hydrated bentonite chips.					
13										
14										
15										

AMEC Geomatrix

Project No. 14697.000

Page 1 of 1

OAKBOREVIEW (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA					Log of Boring No. KM-21				
BORING LOCATION: Building 4					ELEVATION AND DATUM: Not surveyed; datum is ground surface				
DRILLING CONTRACTOR: Cascade Drilling, Inc.					DATE STARTED: 12/23/09		DATE FINISHED: 12/23/09		
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 9.0		MEASURING POINT: Ground surface		
DRILLING EQUIPMENT: Geoprobe 420M					DEPTH TO WATER (ft.)		FIRST 8.0	COMPL. NA	
SAMPLING METHOD: Enviro-core sampling system [3' x 1.5"]					LOGGED BY: C. Brown				
HAMMER WEIGHT: NA			DROP: NA		RESPONSIBLE PROFESSIONAL: N. Gray			REG. NO. L.G. 2557	

DEPTH (feet)	SAMPLES			OVM READING (ppm)	DESCRIPTION	REMARKS
	Sample No.	Sample	Blows/ 6 inches		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	
					Surface Elevation: Not Surveyed	
1	KM-21-3-1209			0	POORLY GRADED SAND with GRAVEL (SP): black (N 2.5/), moist, 65% fine to coarse sand, 30% fine gravel, 5% non-plastic fines, trace glassy fragments	OVM= Photovac 2020i PID calibrated with 100 ppm isobutylene standard. Headspace (HS) readings collected in baggie.
2						
3					orange staining	
4			0/0 (HS)	SILT (ML): gray (N 5/), moist, 95% fines, 5% fine sand, trace fine gravel, low plasticity, medium stiff, orange mottling, black streaking		
5	KM-21-7-1209					Stainless steel hydropunch sampler (0.010 slot) driven from 7.5 to 11.5'. Sleeve retracted 4 feet to expose screen from 7.5 to 11.5'. Groundwater sample KM-21-W-1209 collected.
6				0		
7					POORLY GRADED SAND (SP): very dark gray (N 3/), moist, 95% fine to coarse sand, 5% non-plastic fines, slight orange staining	
8				0/0 (HS)		
9					Bottom of boring at 9.0 feet. Borehole abandoned with hydrated bentonite chips.	
10						
11						
12						
13						
14						
15						

AMEC Geomatrix

Project No. 14697.000

OAKBORE (REV. 8/2007)
Page 1 of 1

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA					Log of Boring No. KM-22			
BORING LOCATION: South Warehouse					ELEVATION AND DATUM: Not surveyed; datum is ground surface			
DRILLING CONTRACTOR: Cascade Drilling, Inc.					DATE STARTED: 8/23/10		DATE FINISHED: 8/23/10	
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 15.0		MEASURING POINT: Ground surface	
DRILLING EQUIPMENT: Geoprobe 7730D					DEPTH TO WATER (ft.)		FIRST 11.5	COMPL. NA
SAMPLING METHOD: Geoprobe macro-core sampler [5' x 1.5"]					LOGGED BY: C. Brown			
HAMMER WEIGHT: NA			DROP: NA		RESPONSIBLE PROFESSIONAL: N. Bacher			REG. NO. L.G. 2528

DEPTH (feet)	SAMPLES			OVM READING (ppm)	DESCRIPTION	REMARKS
	Sample No.	Sample	Blows/ 6 inches		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	
					Surface Elevation: Not Surveyed	
0				0	CONCRETE FLOOR	Boring cored from 0 to 0.75 feet bgs using a concrete corer. Vapor barrier encountered beneath.
1				0 (HS)	POORLY GRADED GRAVEL with SAND (GP): olive gray, moist, 50% fine and coarse gravel, 45% fine to coarse sand, 5% non-plastic fines	
2				0		
3				0	small piece of wood	OVM reading collected using Thermo Environmental Instruments 580B PID calibrated with 100 ppm isobutylene standard. (HS = headspace readings collected from Ziploc bag)
4					POORLY GRADED SAND (SP): black, moist, 95% fine to coarse sand, 5% non-plastic fines	
5				0		
6				0 (HS)		
7				0		
8						
9						
10				0		
11						
12				1033 (HS)	↓ wet	
13				0		Hydropunch II driven from 11 to 16 feet. Sleeve retracted 4 feet to expose screen from 10 to 14 feet. Sample KM-22-16-0810 collected.
14					strong petroleum-like odor	
15					Bottom of boring at 15.0 feet.	Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete.
16						
17						
18						

AMEC Geomatrix		Project No. 14697.000	Page 1 of 1
-----------------------	--	-----------------------	-------------

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA					Log of Boring No. KM-23			
BORING LOCATION: South Warehouse					ELEVATION AND DATUM: Not surveyed; datum is ground surface			
DRILLING CONTRACTOR: Cascade Drilling, Inc.					DATE STARTED: 8/23/10		DATE FINISHED: 8/23/10	
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 15.0		MEASURING POINT: Ground surface	
DRILLING EQUIPMENT: Geoprobe 7730D					DEPTH TO WATER (ft.)		FIRST 11.5	COMPL. NA
SAMPLING METHOD: Geoprobe macro-core sampler [5' x 1.5"]					LOGGED BY: C. Brown			
HAMMER WEIGHT: NA			DROP: NA		RESPONSIBLE PROFESSIONAL: N. Bacher			REG. NO. L.G. 2528

DEPTH (feet)	SAMPLES			OVM READING (ppm)	DESCRIPTION	REMARKS
	Sample No.	Sample	Blows/ 6 inches		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	
					Surface Elevation: Not Surveyed	
0				0	CONCRETE FLOOR	Boring cored from 0 to 0.75 feet bgs using a concrete corer. Vapor barrier encountered beneath.
1				0 (HS)	POORLY GRADED GRAVEL with SILT and SAND (GP-GM): olive gray, dry, 50% fine and coarse gravel, 40% medium to coarse sand, 10% non-plastic fines	
2				0		
3				0		
4				0		OVM reading collected using Thermo Environmental Instruments 580B PID calibrated with 100 ppm isobutylene standard. (HS = headspace readings collected from Ziploc bag)
5				0		
6				0 (HS)	<div style="border: 1px solid black; width: 15px; height: 10px; display: inline-block; margin-right: 5px;"></div> crushed yellow brick	
7				0 (HS)	<div style="border: 1px solid black; width: 15px; height: 10px; display: inline-block; margin-right: 5px;"></div> silty sand with blackened, burned appearance	
8				0	<div style="border: 1px solid black; width: 15px; height: 10px; display: inline-block; margin-right: 5px;"></div> SANDY SILT with fine GRAVEL (ML), contains red brick pieces	
9				0	POORLY GRADED SAND (SP): black, moist, 95% fine to medium sand, 5% non-plastic fines	
10				0		
11				1.0 (HS)	<div style="text-align: center;"> T ↓ wet </div>	
12				0		
13						
14						
15					Bottom of boring at 15.0 feet.	
16						Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete.
17						
18						



AMEC Geomatrix		Project No. 14697.000	Page 1 of 1
-----------------------	--	-----------------------	-------------

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA					Log of Boring No. KM-24			
BORING LOCATION: South Warehouse					ELEVATION AND DATUM: Not surveyed; datum is ground surface			
DRILLING CONTRACTOR: Cascade Drilling, Inc.					DATE STARTED: 8/23/10		DATE FINISHED: 8/23/10	
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 15.0		MEASURING POINT: Ground surface	
DRILLING EQUIPMENT: Geoprobe 7730D					DEPTH TO WATER (ft.)		FIRST 11.5	COMPL. NA
SAMPLING METHOD: Geoprobe macro-core sampler [5' x 1.5"]					LOGGED BY: C. Brown			
HAMMER WEIGHT: NA			DROP: NA		RESPONSIBLE PROFESSIONAL: N. Bacher			REG. NO. L.G. 2528

DEPTH (feet)	SAMPLES			OVM READING (ppm)	DESCRIPTION	REMARKS
	Sample No.	Sample	Blows/ 6 inches		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	
					Surface Elevation: Not Surveyed	
0				0	CONCRETE FLOOR	Boring cored from 0 to 0.75 feet bgs using a concrete corer. Vapor barrier encountered beneath. OVM reading collected using Thermo Environmental Instruments 580B PID calibrated with 100 ppm isobutylene standard.
1					POORLY GRADED GRAVEL with SILT and SAND (GP-GM): light brown, moist, 50% fine and coarse gravel, 40% fine to coarse sand, 10% non-plastic fines	
2				0		
3						
4						
5						
6						
7					POORLY GRADED SAND with GRAVEL (SP): black, moist, 65% fine to coarse sand, 30% fine and coarse gravel, 5% non-plastic fines, contains brick and coal with burnt appearance, small red brick pieces at base of unit	
8					POORLY GRADED SAND (SP): very dark brown, moist, 95% fine to medium sand, 5% non-plastic fines	
9						
10						
11						
12					<div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; border: 1px solid black; margin-right: 5px;"></div> wet, reddish brown </div>	
13						
14						
15					Bottom of boring at 15.0 feet.	Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete.
16						
17						
18						

AMEC Geomatrix		Project No. 14697.000	Page 1 of 1
-----------------------	--	-----------------------	-------------

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA					Log of Boring No. KM-25		
BORING LOCATION: South Warehouse					ELEVATION AND DATUM: Not surveyed; datum is ground surface		
DRILLING CONTRACTOR: Cascade Drilling, Inc.					DATE STARTED: 8/23/10		DATE FINISHED: 8/23/10
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 15.0		MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7730D					DEPTH TO WATER (ft.)		FIRST 11.5
							COMPL. NA
SAMPLING METHOD: Geoprobe macro-core sampler [5' x 1.5"]					LOGGED BY: C. Brown		
HAMMER WEIGHT: NA			DROP: NA		RESPONSIBLE PROFESSIONAL: N. Bacher		REG. NO. L.G. 2528

DEPTH (feet)	SAMPLES			OVM READING (ppm)	DESCRIPTION	REMARKS
	Sample No.	Sample	Blows/ 6 inches		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	
					Surface Elevation: Not Surveyed	
0				0	CONCRETE FLOOR	Boring cored from 0 to 0.75 feet bgs using a concrete corer. Vapor barrier encountered beneath.
1					POORLY GRADED SAND with GRAVEL (SP): brown, moist, 60% fine to coarse sand, 35% fine and coarse gravel, 5% non-plastic fines	
2					POORLY GRADED SAND with GRAVEL (SP): gray, moist, 55% fine to coarse sand, 35% fine and coarse gravel, 10% non-plastic fines	
3				0		OVM reading collected using Thermo Environmental Instruments 580B PID calibrated with 100 ppm isobutylene standard.
4						
5					 black, burned appearance	
6						Obstruction encountered, sampler bent. No upper soil sample collected due to poor recovery.
7						
8						
9						
10					POORLY GRADED GRAVEL (SP): black, moist, 95% fine to coarse sand, 5% non-plastic fines, slight burned appearance	
11					 wet	
12						Hydropunch II driven from 11 to 16 feet. Sleeve retracted 4 feet to expose screen from 10 to 14 feet. Sample KM-25-16-0810 collected.
13						
14						
15					Bottom of boring at 15.0 feet.	Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete.
16						
17						
18						



AMEC Geomatrix		Project No. 14697.000	Page 1 of 1
-----------------------	--	-----------------------	-------------

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA				Log of Boring No. KM-26			
BORING LOCATION: South Warehouse				ELEVATION AND DATUM: Not surveyed; datum is ground surface			
DRILLING CONTRACTOR: Cascade Drilling, Inc.				DATE STARTED: 8/23/10		DATE FINISHED: 8/23/10	
DRILLING METHOD: Direct push				TOTAL DEPTH (ft.): 15.0		MEASURING POINT: Ground surface	
DRILLING EQUIPMENT: Geoprobe 7730D				DEPTH TO WATER (ft.)		FIRST 11.5	COMPL. NA
SAMPLING METHOD: Geoprobe macro-core sampler [5' x 1.5"]				LOGGED BY: C. Brown			
HAMMER WEIGHT: NA		DROP: NA		RESPONSIBLE PROFESSIONAL: N. Bacher			REG. NO. L.G. 2528

DEPTH (feet)	SAMPLES			OVM READING (ppm)	DESCRIPTION	REMARKS
	Sample No.	Sample	Blows/ 6 inches		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	
					Surface Elevation: Not Surveyed	
0				0	CONCRETE FLOOR	Boring cored from 0 to 0.75 feet bgs using a concrete corer. Vapor barrier encountered beneath.
1					POORLY GRADED GRAVEL with SAND (GP): brown, moist, 60% fine and coarse gravel, 35% fine to coarse sand, 5% non-plastic fines	
2				0 (HS)		
3						
4						OVM reading collected using Thermo Environmental Instruments 580B PID calibrated with 100 ppm isobutylene standard. (HS = headspace readings collected from Ziploc bag)
5				0		
6						
7					SILTY SAND (SM): black, moist, 75% fine to coarse sand, 15% non-plastic fines, 10% fine and coarse gravel, contains wood fragments	
8				0 (HS)	brick fragment (burned appearance)	
9					POORLY GRADED SAND (SP): very dark reddish brown, moist, 95% fine to coarse sand, 5% non-plastic fines	
10				0		
11						
12					reddish mottling wet, black	
13				0		
14						
15					Bottom of boring at 15.0 feet.	Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete.
16						
17						
18						

AMEC Geomatrix		Project No. 14697.000	Page 1 of 1
-----------------------	--	-----------------------	-------------

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA					Log of Boring No. KM-27				
BORING LOCATION: South Warehouse					ELEVATION AND DATUM: Not surveyed; datum is ground surface				
DRILLING CONTRACTOR: Cascade Drilling, Inc.					DATE STARTED: 8/24/10		DATE FINISHED: 8/24/10		
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 15.0		MEASURING POINT: Ground surface		
DRILLING EQUIPMENT: Geoprobe 7730D					DEPTH TO WATER (ft.)		FIRST 11.5	COMPL. NA	
SAMPLING METHOD: Geoprobe macro-core sampler [5' x 1.5"]					LOGGED BY: C. Brown				
HAMMER WEIGHT: NA			DROP: NA		RESPONSIBLE PROFESSIONAL: N. Bacher			REG. NO. L.G. 2528	

DEPTH (feet)	SAMPLES			OVM READING (ppm)	DESCRIPTION	REMARKS
	Sample No.	Sample	Blows/ 6 inches		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	
					Surface Elevation: Not Surveyed	
0				0	CONCRETE FLOOR	Boring cored from 0 to 0.75 feet bgs using a concrete corer. Vapor barrier encountered beneath. OVM reading collected using Thermo Environmental Instruments 580B PID calibrated with 100 ppm isobutylene standard. (HS = headspace readings collected from Ziploc bag)
1				0 (HS)	POORLY GRADED SAND with GRAVEL (SP): brownish gray, dry, 60% fine to coarse sand, 35% fine and coarse gravel, 5% non-plastic fines	
2				0		
3				0		
4				0		
5				0		
6				0		
7				0	POORLY GRADED SAND with SILT and GRAVEL (SP-SM): black, moist, 75% fine to coarse sand, 15% fine and coarse gravel, 10% non-plastic fines	
8				0	POORLY GRADED SAND (SP): black, moist, 95% fine to coarse sand, 5% non-plastic fines	
9				0		
10				0		
11				0		Hydropunch II driven from 11 to 16 feet. Sleeve retracted 4 feet to expose screen from 10 to 14 feet. Sample KM-27-16-0810 collected.
12				0	 wet, sand grading from medium to coarse	
13				0	 orange mottling	
14				0		
15				0	Bottom of boring at 15.0 feet.	Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete.
16				0		
17				0		
18				0		

AMEC Geomatrix		Project No. 14697.000	Page 1 of 1
-----------------------	--	-----------------------	-------------

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA					Log of Boring No. KM-28			
BORING LOCATION: South Warehouse					ELEVATION AND DATUM: Not surveyed; datum is ground surface			
DRILLING CONTRACTOR: Cascade Drilling, Inc.					DATE STARTED: 8/24/10		DATE FINISHED: 8/24/10	
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 15.0		MEASURING POINT: Ground surface	
DRILLING EQUIPMENT: Geoprobe 7730D					DEPTH TO WATER (ft.)		FIRST 11.5	COMPL. NA
SAMPLING METHOD: Geoprobe macro-core sampler [5' x 1.5"]					LOGGED BY: C. Brown			
HAMMER WEIGHT: NA			DROP: NA		RESPONSIBLE PROFESSIONAL: N. Bacher			REG. NO. L.G. 2528

DEPTH (feet)	SAMPLES			OVM READING (ppm)	DESCRIPTION	REMARKS
	Sample No.	Sample	Blows/ 6 inches		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	
					Surface Elevation: Not Surveyed	
0				0	CONCRETE FLOOR	Boring cored from 0 to 0.75 feet bgs using a concrete corer. Vapor barrier encountered beneath. OVM reading collected using Thermo Environmental Instruments 580B PID calibrated with 100 ppm isobutylene standard. (HS = headspace readings collected from Ziploc bag)
1				0 (HS)	POORLY GRADED SAND with GRAVEL (SP): brown, dry, 65% fine to coarse sand, 30% fine and coarse gravel, 5% non-plastic fines	
2				0		
3				0		
4				0		
5				0		
6				0 (HS)		
7				0	↓ POORLY GRADED SAND with SILT and GRAVEL (SP-SM): black, moist, 75% fine to coarse sand, 15% fine and coarse gravel, 10% non-plastic fines, brick fragments	
8				0	POORLY GRADED SAND (SP): very dark brown, moist, 95% fine to coarse sand, 5% non-plastic fines	
9				0		
10				0		
11				0 (HS)		
12				0	↓ wet	
13				0		
14				0		
15					Bottom of boring at 15.0 feet.	Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete.
16						
17						
18						

AMEC Geomatrix		Project No. 14697.000	Page 1 of 1
-----------------------	--	-----------------------	-------------

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA				Log of Boring No. KM-29			
BORING LOCATION: South Warehouse				ELEVATION AND DATUM: Not surveyed; datum is ground surface			
DRILLING CONTRACTOR: Cascade Drilling, Inc.				DATE STARTED: 8/24/10		DATE FINISHED: 8/24/10	
DRILLING METHOD: Direct push				TOTAL DEPTH (ft.): 15.0		MEASURING POINT: Ground surface	
DRILLING EQUIPMENT: Geoprobe 7730D				DEPTH TO WATER (ft.)		FIRST 11.5	COMPL. NA
SAMPLING METHOD: Geoprobe macro-core sampler [5' x 1.5"]				LOGGED BY: C. Brown			
HAMMER WEIGHT: NA		DROP: NA		RESPONSIBLE PROFESSIONAL: N. Bacher			REG. NO. L.G. 2528

DEPTH (feet)	SAMPLES			OVM READING (ppm)	DESCRIPTION	REMARKS
	Sample No.	Sample	Blows/ 6 inches		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	
					Surface Elevation: Not Surveyed	
0				0	CONCRETE FLOOR	Boring cored from 0 to 0.75 feet bgs using a concrete corer. Vapor barrier encountered beneath. OVM reading collected using Thermo Environmental Instruments 580B PID calibrated with 100 ppm isobutylene standard. (HS = headspace readings collected from Ziploc bag)
1				0 (HS)	POORLY GRADED SAND with GRAVEL (SP): brown, dry, 60% fine to coarse sand, 35% fine and coarse gravel, 5% non-plastic fines	
2				0		
3				0		
4				0		
5				0		
6				0 (HS)		
7				0	POORLY GRADED SAND with SILT and GRAVEL (SP-SM): brown, moist, 60% fine to coarse sand, 30% fine and coarse gravel, 10% non-plastic fines, scattered material with burned appearance	
8				0	POORLY GRADED SAND (SP): very dark brown, moist, 95% fine to medium sand, 5% non-plastic fines	
9				0		
10				0 (HS)		
11				0		Hydropunch II driven from 11 to 16 feet. Sleeve retracted 4 feet to expose screen from 10 to 14 feet. Sample KM-29-16-0810 collected.
12				0	↓ wet	
13				0		
14				0		
15				0		
16				0	Bottom of boring at 15.0 feet.	Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete.
17				0		
18				0		

AMEC Geomatrix		Project No. 14697.000	Page 1 of 1
----------------	--	-----------------------	-------------

PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA					Log of Boring No. KM-30			
BORING LOCATION: Inside Building 5					ELEVATION AND DATUM: Not Surveyed; datum is ground surface			
DRILLING CONTRACTOR: Cascade Drilling, Inc.					DATE STARTED: 3/23/11		DATE FINISHED: 3/23/11	
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 12.0		MEASURING POINT: Ground surface	
DRILLING EQUIPMENT: Geoprobe 5400 (Limited Access Rig)					DEPTH TO WATER (ft.)		FIRST 5.25	COMPL. NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]					LOGGED BY: S. Mikelich			
HAMMER WEIGHT: NA			DROP: NA		RESPONSIBLE PROFESSIONAL: N. Bacher			REG. NO. L.G. 2528

DEPTH (feet)	SAMPLES			OVM READING (ppm)	DESCRIPTION	REMARKS
	Sample No.	Sample	Blows/ 6 inches		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	
					Surface Elevation: Not Surveyed	
					CONCRETE FLOOR	
1	KM-30-0311-2			7.0	WELL GRADED GRAVEL with SILT and SAND (GW-GM): very dark gray (GLEY 1 3/1), dry, 50% fine to coarse gravel, 40% fine to coarse sand, 10% non-plastic fines, strong odor	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
2				310		
3						
4	KM-30-0311-5				POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), dry, 90% fine to coarse sand, 10% non-plastic fines, scattered material with burned appearance, wood debris, odor	OVM reading collected using a RAE Systems MiniRAE 3000 PID calibrated with 100 ppm isobutylene standard.
5				134	<div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; border: 1px solid black; margin-right: 5px;"></div> wet </div>	
6					POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), moist to wet, 90% fine to medium sand, 10% non-plastic fines, slight odor	
7				32.1		
8						
9				21.2		
10						
11				13.6		Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete. Disposable 3/4" diameter Schedule 40 PVC, 5 foot screen driven from 5 to 10 feet. Sample KM-30-0311-W collected.
12						
13					Bottom of boring at 12.0 feet; cannot drill deeper due to flowing sands	
14						
15						
16						
17						
18						

AMEC Geomatrix

Project No. 14697

OAKBORE (REV. 8/2007)
Page 1 of 1

PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA					Log of Boring No. KM-31		
BORING LOCATION: Inside Building 3					ELEVATION AND DATUM: Not Surveyed; datum is ground surface		
DRILLING CONTRACTOR: Cascade Drilling, Inc.					DATE STARTED: 3/22/11		DATE FINISHED: 3/22/11
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 12.0		MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 5400 (Limited Access Rig)					DEPTH TO WATER (ft.)		FIRST 5.0
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]					LOGGED BY: S. Mikelich		
HAMMER WEIGHT: NA			DROP: NA		RESPONSIBLE PROFESSIONAL: N. Bacher		REG. NO. L.G. 2528

DEPTH (feet)	SAMPLES			OVM READING (ppm)	DESCRIPTION	REMARKS
	Sample No.	Sample	Blows/ 6 inches		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	
					Surface Elevation: Not Surveyed	
1	KM-31-0311-3	X		0.6	CONCRETE FLOOR	Boring cored from 0 to 0.5 feet bgs using a concrete corer. OVM reading collected using a RAE Systems MiniRAE 3000 PID calibrated with 100 ppm isobutylene standard. Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete. Disposable 3/4" diameter Schedule 40 PVC, 5 foot screen driven from 5 to 10 feet. Sample KM-31-0311-W collected.
2					WELL GRADED SAND with SILT and GRAVEL (SW-SM): black (2.5Y 2.5/1), moist, 50% fine to coarse sand, 40% fine to coarse gravel, 10% non-plastic fines	
3						
4					POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), moist to wet, 90% fine to coarse sand, 10% non-plastic fines	
5				0.0	↓ wet	
6				0.0		
7						
8						
9				0.0		
10						
11				0.0		
12					Bottom of boring at 12.0 feet; cannot drill deeper due to flowing sands	
13						
14						
15						
16						
17						
18						


AMEC Geomatrix

Project No. 14697

Page 1 of 1

OAKBORE (REV. 8/2007)

PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA					Log of Boring No. KM-32			
BORING LOCATION: Inside Building 4					ELEVATION AND DATUM: Not Surveyed; datum is ground surface			
DRILLING CONTRACTOR: Cascade Drilling, Inc.					DATE STARTED: 3/22/11		DATE FINISHED: 3/22/11	
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 12.0		MEASURING POINT: Ground surface	
DRILLING EQUIPMENT: Geoprobe 5400 (Limited Access Rig)					DEPTH TO WATER (ft.)		FIRST 4.0	COMPL. NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]					LOGGED BY: S. Mikelich			
HAMMER WEIGHT: NA			DROP: NA		RESPONSIBLE PROFESSIONAL: N. Bacher			REG. NO. L.G. 2528

DEPTH (feet)	SAMPLES			OVM READING (ppm)	DESCRIPTION	REMARKS	
	Sample No.	Sample	Blows/ 6 inches		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		
					Surface Elevation: Not Surveyed		
1	KM-32-0311-3	X		0.0	CONCRETE FLOOR	Boring cored from 0 to 0.5 feet bgs using a concrete corer.	
2					WELL GRADED GRAVEL with SILT and SAND (GW-GM): very dark gray (GLEY 1 3/1), dry, 50% fine to coarse gravel, 40% fine to coarse sand, 10% non-plastic fines		
3						OVM reading collected using a RAE Systems MiniRAE 3000 PID calibrated with 100 ppm isobutylene standard.	
4					POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), dry, 90% fine to coarse sand, 10% non-plastic fines, scattered material with burned appearance, wood debris		
5				0.0			
6					 wet POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), moist to wet, 90% fine to medium sand, 10% non-plastic fines	Poor recovery from 0'-4' and 4'-8' due to fill debris and wood scraps.	
7							
8							
9					0.0		Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete. Disposable 3/4" diameter Schedule 40 PVC, 5 foot screen driven from 5 to 10 feet. Sample KM-32-0311-W collected.
10							
11							
12					Bottom of boring at 12.0 feet; cannot drill deeper due to flowing sands		
13							
14							
15							
16							
17							
18							

PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA					Log of Boring No. KM-33			
BORING LOCATION: Inside Building 7					ELEVATION AND DATUM: Not Surveyed; datum is ground surface			
DRILLING CONTRACTOR: Cascade Drilling, Inc.					DATE STARTED: 3/22/11		DATE FINISHED: 3/22/11	
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 12.0		MEASURING POINT: Ground surface	
DRILLING EQUIPMENT: Geoprobe 5400 (Limited Access Rig)					DEPTH TO WATER (ft.)		FIRST 4.5	COMPL. NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]					LOGGED BY: S. Mikelich			
HAMMER WEIGHT: NA			DROP: NA		RESPONSIBLE PROFESSIONAL: N. Bacher			REG. NO. L.G. 2528

DEPTH (feet)	SAMPLES			OVM READING (ppm)	DESCRIPTION	REMARKS
	Sample No.	Sample	Blows/ 6 inches		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	
					Surface Elevation: Not Surveyed	
1					CONCRETE FLOOR and cobbles	Boring cored from 0 to 3.8 feet bgs using a concrete corer.
2						
3						
4				548	SILTY SAND with GRAVEL (SM): black (2.5Y 2.5/1), moist, 60% fine to coarse sand, 20% fine to medium gravel, 20% slightly plastic fines, odor	OVM reading collected using a RAE Systems MiniRAE 3000 PID calibrated with 100 ppm isobutylene standard.
5					wet	
6				528	POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), wet, 90% fine to coarse sand, 10% non-plastic fines, strong odor	
7						
8						
9						
10				486		Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete.
11				42.9		
12					Bottom of boring at 12.0 feet; cannot drill deeper due to flowing sands	
13						
14						Disposable 3/4" diameter Schedule 40 PVC, 5 foot screen driven from 4 to 9 feet. Sample KM-33-0311-W collected.
15						
16						
17						
18						

PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA					Log of Boring No. KM-34			
BORING LOCATION: Former UST Area					ELEVATION AND DATUM: Not Surveyed; datum is ground surface			
DRILLING CONTRACTOR: Cascade Drilling, Inc.					DATE STARTED: 3/21/11		DATE FINISHED: 3/21/11	
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 12.0		MEASURING POINT: Ground surface	
DRILLING EQUIPMENT: Geoprobe 5400 (Limited Access Rig)					DEPTH TO WATER (ft.)		FIRST 4.5	COMPL. NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]					LOGGED BY: S. Mikelich			
HAMMER WEIGHT: NA			DROP: NA		RESPONSIBLE PROFESSIONAL: N. Bacher			REG. NO. L.G. 2528

DEPTH (feet)	SAMPLES			OVM READING (ppm)	DESCRIPTION	REMARKS
	Sample No.	Sample	Blows/ 6 inches		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	
				0.0	Surface Elevation: Not Surveyed	
1	KM-34-0311-2 KM-34-0311-4			0.0	SILTY GRAVEL with SAND (GM): olive brown (2.5Y 4/3), moist to wet, 50% very fine to coarse gravel, 30% fine to coarse sand, 20% non-plastic fines ↓ wet	OVM reading collected using a RAE Systems MiniRAE 3000 PID calibrated with 100 ppm isobutylene standard.
2						
3						
4						
5				0.0		
6				0.0		
7						
8					POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 4/3), wet, 90% fine to coarse sand, 10% non-plastic fines	
9				0.0		Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with gravel.
10						
11						
12				0.0	Bottom of boring at 12.0 feet; cannot drill deeper due to flowing sands	Disposable 3/4" diameter Schedule 40 PVC, 5 foot screen driven from 4 to 9 feet. Sample KM-34-0311-W collected.
13						
14						
15						
16						
17						
18						

AMEC Geomatrix		Project No. 14697	Page 1 of 1
-----------------------	--	-------------------	-------------

PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA					Log of Boring No. KM-35			
BORING LOCATION: Inside South Warehouse					ELEVATION AND DATUM: Not surveyed; datum is ground surface			
DRILLING CONTRACTOR: Cascade Drilling, Inc.					DATE STARTED: 3/22/11		DATE FINISHED: 3/22/11	
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 12.0		MEASURING POINT: Ground surface	
DRILLING EQUIPMENT: Geoprobe 5400 (Limited Access Rig)					DEPTH TO WATER (ft.)		FIRST 7.5	COMPL. NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]					LOGGED BY: S. Mikelich			
HAMMER WEIGHT: NA			DROP: NA		RESPONSIBLE PROFESSIONAL: N. Bacher			REG. NO. L.G. 2528

DEPTH (feet)	SAMPLES			OVM READING (ppm)	DESCRIPTION	REMARKS
	Sample No.	Sample	Blows/ 6 inches		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	
					Surface Elevation: Not Surveyed	
1	KM-35-0311-2	X			CONCRETE FLOOR	Boring cored from 0 to 1.5 feet bgs using a concrete corer. Vapor barrier encountered at 0.5' beneath floor with cobbles and gravel to 1.5'. OVM reading collected using a RAE Systems MiniRAE 3000 PID calibrated with 100 ppm isobutylene standard.
2				0.0	WELL GRADED GRAVEL with SILT and SAND (GW-GM): grayish brown (2.5Y 5/2), moist, 60% fine to coarse gravel, 30% fine to coarse sand, 10% non-plastic fines,	
3						
4		X		0.0		
5	KM-35-0311-6.5					Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete. Disposable 3/4" diameter Schedule 40 PVC, 5 foot screen driven from 7 to 12 feet. Sample KM-35-0311-W collected.
6				13.7	Scattered material with burned appearance	
7				60.1	wet	
8					POORLY GRADED SAND with SILT (SP-SM): very dark brown, (2.5Y 2.5/1), wet, 90% fine to medium sand, 10% non-plastic fines	
9				20.0		
10						
11				35.8		
12	X					
13				15.0		
14						
15				0.0		
16					Bottom of boring at 16.0 feet; cannot drill deeper due to flowing sands	
17						
18						

AMEC Geomatrix

Project No. 14697

Page 1 of 1


OAKBORE (REV. 8/2007)

PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA					Log of Boring No. KM-36		
BORING LOCATION: Parking Lot					ELEVATION AND DATUM: Not surveyed; datum is ground surface		
DRILLING CONTRACTOR: Cascade Drilling, Inc.					DATE STARTED: 3/21/11		DATE FINISHED: 3/21/11
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 12.0		MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 5400 (Limited Access Rig)					DEPTH TO WATER (ft.) 6.0		FIRST 6.0
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]					LOGGED BY: S. Mikelich		
HAMMER WEIGHT: NA			DROP: NA		RESPONSIBLE PROFESSIONAL: N. Bacher		REG. NO. L.G. 2528

DEPTH (feet)	SAMPLES			OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
	Sample No.	Sample	Blows/ 6 inches			
					Surface Elevation: Not Surveyed	
1	KM-36-0311-2			145	ASPHALT	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
2					WELL GRADED GRAVEL with SILT and SAND (GW-GM): very dark gray (5Y 3/1), moist, 50% fine to coarse gravel, 40% fine to coarse sand, 10% non-plastic fines, odor	
3					Thin lense composed of organics and wood debris	
4					POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), moist to wet, 90% fine to medium sand, 10% non-plastic fines, odor.	
5	KM-36-0311-6			266		OVM reading collected using a RAE Systems MiniRAE 3000 PID calibrated with 100 ppm isobutylene standard.
6						
7						
8						
9				1944		
10						
11						
12						
13				1848		Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete.
14						
15						
16						
17				17		Disposable 3/4" diameter Schedule 40 PVC, 5 foot screen driven from 5 to 10 feet. Sample KM-30-0311-W collected.
18						
					Bottom of boring at 12.0 feet; cannot drill deeper due to flowing sands	

AMEC Geomatrix		Project No. 14697	Page 1 of 1
-----------------------	--	-------------------	-------------

PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA					Log of Boring No. KM-37		
BORING LOCATION: Parking Lot					ELEVATION AND DATUM: Not surveyed; datum is ground surface		
DRILLING CONTRACTOR: Cascade Drilling, Inc.					DATE STARTED: 3/21/11		DATE FINISHED: 3/21/11
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 12.0		MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 5400 (Limited Access Rig)					DEPTH TO WATER (ft.) 6.0		FIRST 6.0
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]					LOGGED BY: S. Mikelich		
HAMMER WEIGHT: NA			DROP: NA		RESPONSIBLE PROFESSIONAL: N. Bacher		REG. NO. L.G. 2528

DEPTH (feet)	SAMPLES			OVM READING (ppm)	DESCRIPTION		REMARKS
	Sample No.	Sample	Blows/ 6 inches		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	Surface Elevation: Not Surveyed	
1	KM-37-0311-2			29.8	ASPHALT		OVM reading collected using a RAE Systems MiniRAE 3000 PID calibrated with 100 ppm isobutylene standard.
2					WELL GRADED GRAVEL with SAND (GW): very dark greenish gray (GLEYS 1 3/5GY), moist, 55% fine to coarse gravel, 45% fine and coarse sand		
3					POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), moist, 90% fine to medium sand, 10% non-plastic fines		
4	KM-37-0311-5			165.8	POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), moist to wet, 90% fine to coarse sand, 10% non-plastic fines, strong odor		Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with asphalt.
5							
6							
7				1354	 wet		Disposable 3/4" diameter Schedule 40 PVC, 5 foot screen driven from 4 to 9 feet. Sample KM-37-0311-W collected.
8							
9							
10				1411			
11				641.5			
12					Bottom of boring at 12.0 feet; cannot drill deeper due to flowing sands		
13							
14							
15							
16							
17							
18							

AMEC Geomatrix		Project No. 14697	Page 1 of 1
-----------------------	--	-------------------	-------------

PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA					Log of Boring No. KM-38		
BORING LOCATION: Inside Building 8					ELEVATION AND DATUM: Not surveyed; datum is ground surface		
DRILLING CONTRACTOR: Cascade Drilling, Inc.					DATE STARTED: 3/23/11		DATE FINISHED: 3/23/11
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 12.0		MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540M (Limited Access Rig)					DEPTH TO WATER (ft.) 5.5		FIRST 5.5
SAMPLING METHOD: Geoprobe macro-core sampler [3' x 1.5"]					LOGGED BY: S. Mikelich		
HAMMER WEIGHT: NA			DROP: NA		RESPONSIBLE PROFESSIONAL: N. Bacher		REG. NO. L.G. 2528

DEPTH (feet)	SAMPLES			OVM READING (ppm)	DESCRIPTION	REMARKS
	Sample No.	Sample	Blows/ 6 inches		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	
					Surface Elevation: Not Surveyed	
1	KM-38-0311-2	X		0.0	CONCRETE FLOOR	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
2					POORLY GRADED SAND (SP): olive brown (2.5Y 4/3), moist, 90% fine to coarse sand, 5% non-plastic fines, 5% fine to coarse gravel	
3	KM-38-0311-5	X		0.0	POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), moist to wet, 90% fine to coarse sand, 10% non-plastic fines	OVM reading collected using a RAE Systems MiniRAE 3000 PID calibrated with 100 ppm isobutylene standard.
4				0.0		
5						
6						
7				0.6	↓ wet	
8				381		
9				20.3	↓ very strong odor	
10				69.4		
11				811		
12					↓ very strong odor	Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete.
13					Bottom of boring at 12.0 feet; cannot drill deeper due to flowing sands	
14						
15						
16						
17						
18						

AMEC Geomatrix		Project No. 14697	Page 1 of 1
-----------------------	--	-------------------	-------------

PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA					Log of Boring No. KM-39			
BORING LOCATION: Inside Building 8					ELEVATION AND DATUM: Not surveyed; datum is ground surface			
DRILLING CONTRACTOR: Cascade Drilling, Inc.					DATE STARTED: 3/24/11		DATE FINISHED: 3/24/11	
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 12.0		MEASURING POINT: Ground surface	
DRILLING EQUIPMENT: Geoprobe 5400 (Limited Access Rig)					DEPTH TO WATER (ft.)		FIRST 5.3	COMPL. NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]					LOGGED BY: S. Mikelich			
HAMMER WEIGHT: NA			DROP: NA		RESPONSIBLE PROFESSIONAL: N. Bacher			REG. NO. L.G. 2528

DEPTH (feet)	SAMPLES			OVM READING (ppm)	DESCRIPTION	REMARKS
	Sample No.	Sample Blows/ 6 inches	NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.			
					Surface Elevation: Not Surveyed	
1	KM-39-0311-2.5 KM-39-0311-2.5-D				Scale pit- no recovery	OVM reading collected using a RAE Systems MiniRAE 3000 PID calibrated with 100 ppm isobutylene standard.
2					Pit bottom: layers of old resins and paint.	
3				1972	Scattered wood and burned debris	Duplicate soil sample taken at 2.5 feet
4	KM-39-0311-5					
5				1144	POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), dry to wet, 90% fine to coarse sand, 10% non-plastic fines, strong odor	
6					wet	
7				1283		
8						
9				1504		
10						Borehole destroyed using hydrated bentonite chips from total depth to 3 feet below ground surface and sand from 3 to 2 feet below ground surface.
11				1367		
12					Bottom of boring at 12.0 feet; cannot drill deeper due to flowing sands	Disposable 3/4" diameter Schedule 40 PVC, 5 foot screen driven from 5 to 10 feet. Sample KM-39-0311-W collected.
13						
14						
15						
16						
17						
18						

PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA					Log of Boring No. KM-40		
BORING LOCATION: Inside Building 10					ELEVATION AND DATUM: Not surveyed; datum is ground surface		
DRILLING CONTRACTOR: Cascade Drilling, Inc.					DATE STARTED: 3/21/11		DATE FINISHED: 3/21/11
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 12.0		MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 5400 (Limited Access Rig)					DEPTH TO WATER (ft.) 6.0		FIRST 6.0
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]					LOGGED BY: S. Mikelich		
HAMMER WEIGHT: NA			DROP: NA		RESPONSIBLE PROFESSIONAL: N. Bacher		REG. NO. L.G. 2528

DEPTH (feet)	SAMPLES			OVM READING (ppm)	DESCRIPTION	REMARKS
	Sample No.	Sample	Blows/ 6 inches		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	
					Surface Elevation: Not Surveyed	
1	KM-40-0311-2	X		28.6	CONCRETE FLOOR	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
2				314	POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), moist to wet, 90% fine to medium sand, 10% non-plastic fines, odor	
3	KM-40-0311-4.5	X				OVM reading collected using a RAE Systems MiniRAE 3000 PID calibrated with 100 ppm isobutylene standard.
4				1157		
6					↓ wet	
7				1596		
8		X			POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), wet, 90% fine to coarse sand, 10% non-plastic fines, very strong odor	
9				583		
10				1308		
11				1698		
12		X			Bottom of boring at 12.0 feet; cannot drill deeper due to flowing sands	Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete.
13						
14						
15						
16						
17						
18						

AMEC Geomatrix		Project No. 14697	Page 1 of 1
-----------------------	--	-------------------	-------------

PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA					Log of Boring No. KM-41				
BORING LOCATION: Inside Building 8					ELEVATION AND DATUM: Not surveyed; datum is ground surface				
DRILLING CONTRACTOR: Cascade Drilling, Inc.					DATE STARTED: 3/24/11		DATE FINISHED: 3/24/11		
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 12.0		MEASURING POINT: Ground surface		
DRILLING EQUIPMENT: Geoprobe 5400 (Limited Access Rig)					DEPTH TO WATER (ft.) 4.8		FIRST 4.8		
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]					LOGGED BY: S. Mikelich				
HAMMER WEIGHT: NA			DROP: NA		RESPONSIBLE PROFESSIONAL: N. Bacher			REG. NO. L.G. 2528	

DEPTH (feet)	SAMPLES			OVM READING (ppm)	DESCRIPTION	REMARKS
	Sample No.	Sample Blows/ 6 inches	NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.			
					Surface Elevation: Not Surveyed	
1					Scale pit- no recovery	
2						
3				1362	SILTY SAND with GRAVEL (SM): yellowish brown (10YR 5/4), moist, 45% fine to coarse sand, 40% fine to coarse gravel, 15% non-plastic fines, paint chips, odor	OVM reading collected using a RAE Systems MiniRAE 3000 PID calibrated with 100 ppm isobutylene standard.
4				1957	black (10YR 2/1), burned lense, charred wood and debris	
5				1600	wet	
6					POORLY GRADED SAND (SP): black (2.5Y 2.5/1), moist to wet, 90% fine to coarse sand, 10% non-plastic fines, odor	
7						
8				1707		
9						
10				1679		
11					Bottom of boring at 11.0 feet; cannot drill deeper due to flowing sands	Borehole destroyed using hydrated bentonite chips from total depth to 3.5 feet below ground surface and sand from 3.5 to 2.7 feet below ground surface.
12						
13						
14						Disposable 3/4" diameter Schedule 40 PVC, 5 foot screen driven from 5 to 10 feet. Sample KM-41-0311-W collected.
15						
16						
17						
18						

PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA					Log of Boring No. KM-42		
BORING LOCATION: Inside Building 8					ELEVATION AND DATUM: Not surveyed; datum is ground surface		
DRILLING CONTRACTOR: Cascade Drilling, Inc.					DATE STARTED: 3/24/11		DATE FINISHED: 3/24/11
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 12.0		MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 5400 (Limited Access Rig)					DEPTH TO WATER (ft.)		FIRST 5.0
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]					LOGGED BY: S. Mikelich		
HAMMER WEIGHT: NA			DROP: NA		RESPONSIBLE PROFESSIONAL: N. Bacher		REG. NO. L.G. 2528

DEPTH (feet)	SAMPLES			OVM READING (ppm)	DESCRIPTION	REMARKS
	Sample No.	Sample	Blows/ 6 inches		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	
					Surface Elevation: Not Surveyed	
1	KM-42-0311-2	X			CONCRETE FLOOR	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
2				715	SANDY SILT with GRAVEL (SM): greenish gray (GLEY 1 4/10Y), moist, 45% fine to medium sand, 40% fine to coarse gravel, 15% non-plastic fines, odor	
3				2421	SAND and SILT (SA-SJ): black (10YR 2/1), moist, 50% fine sand, 50% non-plastic fines, odor	
4	KM-42-0311-5	X			POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), moist to wet, 90% fine to coarse sand, 10% non-plastic fines, odor	OVM reading collected using a RAE Systems MiniRAE 3000 PID calibrated with 100 ppm isobutylene standard.
5				2704	↓ wet	
6				373		
7		X				
8		X				
9				374		
10				958		
11				626		Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete.
12	X				Bottom of boring at 12.0 feet; cannot drill deeper due to flowing sands	
13						
14						
15						
16						
17						
18						

AMEC Geomatrix		Project No. 14697	Page 1 of 1
-----------------------	--	-------------------	-------------

PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA					Log of Boring No. KM-43			
BORING LOCATION: Inside Building 8					ELEVATION AND DATUM: Not surveyed; datum is ground surface			
DRILLING CONTRACTOR: Cascade Drilling, Inc.					DATE STARTED: 3/23/11		DATE FINISHED: 3/23/11	
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 7.0		MEASURING POINT: Ground surface	
DRILLING EQUIPMENT: Geoprobe 5400 (Limited Access Rig)					DEPTH TO WATER (ft.)		FIRST 5.5	COMPL. NA
SAMPLING METHOD: Geoprobe macro-core sampler [3' x 1.5"]					LOGGED BY: S. Mikelich			
HAMMER WEIGHT: NA			DROP: NA		RESPONSIBLE PROFESSIONAL: N. Bacher			REG. NO. L.G. 2528

DEPTH (feet)	SAMPLES			OVM READING (ppm)	DESCRIPTION	REMARKS
	Sample No.	Sample	Blows/ 6 inches		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	
					Surface Elevation: Not Surveyed	
1	KM-43-0311-2	X		0.0	CONCRETE FLOOR	Boring cored from 0 to 0.5 feet bgs using a concrete corer. Very poor recovery.
2		X			POORLY GRADED GRAVEL with SILT and SAND (GP-GM): light olive brown (2.5Y 5/3), dry, 50% fine gravel, 40% fine to coarse sand, 10% non-plastic fines	
3		X		72.8		OVM reading collected using a RAE Systems MiniRAE 3000 PID calibrated with 100 ppm isobutylene standard.
4		X				
5		X				
6				567	<div style="display: flex; align-items: center;"> <div style="margin-right: 5px;">T</div> <div style="margin-right: 5px;">↓</div> <div>wet</div> </div> SAND and SILT (SA-SJ): black (2.5Y 2.5/1), moist to wet, 50% fine sand, 50% non-plastic fines, strong odor	Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete.
7					Refusal at 7.0 feet	
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						


AMEC Geomatrix

Project No. 14697

OAKBOREX (REV. 8/2007)
Page 1 of 1


PROJECT: Former Kelly Moore Facility Seattle, WA					Log of Boring No. KM-44				
BORING LOCATION: See map					ELEVATION AND DATUM: Not Surveyed; datum is ground surface				
DRILLING CONTRACTOR: Cascade Drilling, Inc.					DATE STARTED: 3/4/15		DATE FINISHED: 3/4/15		
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 10.0		MEASURING POINT: Ground surface		
DRILLING EQUIPMENT: Power Probe 9630					DEPTH TO WATER (ft.)		FIRST 5.5	COMPL. NA	
SAMPLING METHOD: 5-foot-continuous-core system [5' x 2"]					LOGGED BY: N. Moxley				
HAMMER WEIGHT: NA			DROP: NA		RESPONSIBLE PROFESSIONAL: N. Moxley			REG. NO. L.G. 3024	

DEPTH (feet)	SAMPLES			PID (ppm)	DESCRIPTION	REMARKS
	Sample No.	Sample	Blows/ Foot		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	
					Surface Elevation: Not Surveyed	
1					POORLY-GRADED SAND with GRAVEL (SP): light brown moist, poorly graded fine to medium sand with gravel	
2					POORLY-GRADED SAND (SP): dark gray moist, poorly graded fine to medium sand	
3						
4						
5						
6					<div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; border: 1px solid black; margin-right: 5px;"></div> wet </div> <div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; border: 1px solid black; margin-right: 5px;"></div> sheen and strong TPH odor </div>	
7						
8				1257		
9						
10						
11					Boring terminated at 10.0 feet, backfilled with bentonite chips and finished to match existing grade.	
12						
13						
14						
15						


		Project No. 14697	Page 1 of 1
---	--	-------------------	-------------


PROJECT: Former Kelly Moore Facility Seattle, WA					Log of Boring No. KM-45				
BORING LOCATION: See map					ELEVATION AND DATUM: Not Surveyed; datum is ground surface				
DRILLING CONTRACTOR: Cascade Drilling, Inc.					DATE STARTED: 3/4/15		DATE FINISHED: 3/4/15		
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 10.0		MEASURING POINT: Ground surface		
DRILLING EQUIPMENT: Power Probe 9630					DEPTH TO WATER (ft.)		FIRST 5.5	COMPL. NA	
SAMPLING METHOD: 5-foot-continuous-core system [5' x 2"]					LOGGED BY: N. Moxley				
HAMMER WEIGHT: NA			DROP: NA		RESPONSIBLE PROFESSIONAL: N. Moxley			REG. NO. L.G. 3024	

DEPTH (feet)	SAMPLES			PID (ppm)	DESCRIPTION	REMARKS
	Sample No.	Sample	Blows/ Foot		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	
					Surface Elevation: Not Surveyed	
1					POORLY-GRADED SAND with GRAVEL (SP): gray moist, poorly graded fine to medium sand with gravel	
2					POORLY-GRADED SAND (SP): dark gray to black moist, poorly graded fine to medium sand brick, glass, and unknown debris	
3						
4						
5						
6					wet sheen and strong TPH odor	
7						
8				2070		
9						
10					Boring terminated at 10.0 feet, backfilled with bentonite chips and finished to match existing grade.	
11						
12						
13						
14						
15						

		Project No. 14697	Page 1 of 1
---	--	-------------------	-------------

PROJECT: Former Kelly Moore Facility Seattle, WA					Log of Boring No. KM-46				
BORING LOCATION: See map					ELEVATION AND DATUM: Not Surveyed; datum is ground surface				
DRILLING CONTRACTOR: Cascade Drilling, Inc.					DATE STARTED: 3/4/15		DATE FINISHED: 3/4/15		
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 10.0		MEASURING POINT: Ground surface		
DRILLING EQUIPMENT: Power Probe 9630					DEPTH TO WATER (ft.)		FIRST 6.0	COMPL. NA	
SAMPLING METHOD: 5-foot-continuous-core system [5' x 2"]					LOGGED BY: N. Moxley				
HAMMER WEIGHT: NA			DROP: NA		RESPONSIBLE PROFESSIONAL: N. Moxley			REG. NO. L.G. 3024	

DEPTH (feet)	SAMPLES			PID (ppm)	DESCRIPTION	REMARKS
	Sample No.	Sample	Blows/ Foot		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	
					Surface Elevation: Not Surveyed	
1					POORLY-GRADED SAND with GRAVEL (SP): light brown moist, poorly graded fine to medium sand with gravel	
					brick and concrete fragments	
2					POORLY-GRADED SAND (SP): dark gray moist, poorly graded fine to medium sand	
3						OVM reading collected using a RAE Systems MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
4						
5						
6						
7				1988	 wet, sheen and strong TPH odor	
8						Groundwater sample KM-46-5.0-9.0 collected from a temporary, 3/4" diameter, stainless steel well screen set from 5.0-9.0 feet BGS.
9						
10					Boring terminated at 10.0 feet, backfilled with bentonite chips and finished to match existing grade.	
11						
12						
13						
14						
15						


		Project No. 14697	Page 1 of 1
---	--	-------------------	-------------

PROJECT: Former Kelly Moore Facility Seattle, WA		Log of Boring No. KM-47	
BORING LOCATION: See map		ELEVATION AND DATUM: Not Surveyed; datum is ground surface	
DRILLING CONTRACTOR: Cascade Drilling, Inc.		DATE STARTED: 3/4/15	DATE FINISHED: 3/4/15
DRILLING METHOD: Direct push		TOTAL DEPTH (ft.): 10.0	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630		DEPTH TO WATER (ft.)	FIRST 6.0
SAMPLING METHOD: 5-foot-continuous-core system [5' x 2"]		LOGGED BY: N. Moxley	
HAMMER WEIGHT: NA	DROP: NA	RESPONSIBLE PROFESSIONAL: N. Moxley	REG. NO. L.G. 3024

DEPTH (feet)	SAMPLES			PID (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
	Sample No.	Sample	Blows/ Foot		Surface Elevation: Not Surveyed	
1					POORLY-GRADED GRAVEL (GP): light brown moist, coarse gravel	OVM reading collected using a RAE Systems MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
2					POORLY-GRADED SAND (SP): dark gray to black moist, poorly graded fine to medium sand	
					silty sand	
					gravel, brick, coal, and melted glass	
3						Groundwater sample KM-47-5.0-9.0 collected from a temporary, 3/4" diameter, stainless steel well screen set from 5.0-9.0 feet BGS.
4						
5						
6						
7				1941	wet, sheen and strong TPH odor	
8						
9						
10						
11						
12						
13						
14						
15						
					Boring terminated at 10.0 feet, backfilled with bentonite chips and finished to match existing grade.	


PROJECT: Former Kelly Moore Facility Seattle, WA					Log of Boring No. KM-48				
BORING LOCATION: See map					ELEVATION AND DATUM: Not Surveyed; datum is ground surface				
DRILLING CONTRACTOR: Cascade Drilling, Inc.					DATE STARTED: 3/4/15		DATE FINISHED: 3/4/15		
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 10.0		MEASURING POINT: Ground surface		
DRILLING EQUIPMENT: Power Probe 9630					DEPTH TO WATER (ft.)		FIRST 6.0	COMPL. NA	
SAMPLING METHOD: 5-foot-continuous-core system [5' x 2"]					LOGGED BY: N. Moxley				
HAMMER WEIGHT: NA			DROP: NA		RESPONSIBLE PROFESSIONAL: N. Moxley			REG. NO. L.G. 3024	

DEPTH (feet)	SAMPLES			PID (ppm)	DESCRIPTION	REMARKS
	Sample No.	Sample	Blows/ Foot		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	
					Surface Elevation: Not Surveyed	
1					POORLY-GRADED SAND with GRAVEL (SP): light brown moist, poorly graded fine to medium sand with gravel	
2					POORLY-GRADED SAND (SP): dark gray to black moist, poorly graded fine to medium sand	
3					<div style="border: 1px solid black; width: 20px; height: 10px; margin-bottom: 2px;"></div> silty sand <div style="border: 1px solid black; width: 20px; height: 10px; margin-bottom: 2px;"></div> fragments of coal, burn debris, bricks, and metal slag	
4						
5						
6					<div style="border: 1px solid black; width: 20px; height: 10px; margin-bottom: 2px;"></div> wet, sheen and TPH odor <div style="border: 1px solid black; width: 20px; height: 10px; margin-bottom: 2px;"></div>	
7						
8				2092		
9						
10						
11					Boring terminated at 10.0 feet, backfilled with bentonite chips and finished to match existing grade.	
12						
13						
14						
15						

		Project No. 14697	Page 1 of 1
---	--	-------------------	-------------


PROJECT: Former Kelly Moore Facility Seattle, WA					Log of Boring No. KM-49				
BORING LOCATION: See map					ELEVATION AND DATUM: Not surveyed; datum is ground surface				
DRILLING CONTRACTOR: Cascade Drilling, Inc.					DATE STARTED: 3/4/15		DATE FINISHED: 3/4/15		
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 10.0		MEASURING POINT: Ground surface		
DRILLING EQUIPMENT: Power Probe 9630					DEPTH TO WATER (ft.)		FIRST 6.0	COMPL. NA	
SAMPLING METHOD: 5-foot-continuous-core system [5' x 2"]					LOGGED BY: N. Moxley				
HAMMER WEIGHT: NA			DROP: NA		RESPONSIBLE PROFESSIONAL: N. Moxley			REG. NO. L.G. 3024	

DEPTH (feet)	SAMPLES			PID (ppm)	DESCRIPTION	REMARKS
	Sample No.	Sample	Blows/ Foot		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	
					Surface Elevation: Not Surveyed	
1					POORLY-GRADED SAND with GRAVEL (SP): light brown moist, poorly graded fine to medium sand with gravel	
2					POORLY-GRADED SAND (SP): dark gray moist, poorly graded fine to medium sand	
3						
4						
5						
6						
7						
8				1414	<div> <div></div> <div>wet, sheen and strong TPH odor</div> </div>	
9						
10					Boring terminated at 10.0 feet, backfilled with bentonite chips and finished to match existing grade.	
11						
12						
13						
14						
15						

		Project No. 14697	Page 1 of 1
---	--	-------------------	-------------


PROJECT: Former Kelly Moore Facility Seattle, WA					Log of Boring No. KM-50				
BORING LOCATION: See map					ELEVATION AND DATUM: Not surveyed; datum is ground surface				
DRILLING CONTRACTOR: Cascade Drilling, Inc.					DATE STARTED: 3/4/15		DATE FINISHED: 3/4/15		
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 10.0		MEASURING POINT: Ground surface		
DRILLING EQUIPMENT: Power Probe 9630					DEPTH TO WATER (ft.)		FIRST 6.0	COMPL. NA	
SAMPLING METHOD: 5-foot-continuous-core system [5' x 2"]					LOGGED BY: N. Moxley				
HAMMER WEIGHT: NA			DROP: NA		RESPONSIBLE PROFESSIONAL: N. Moxley			REG. NO. L.G. 3024	

DEPTH (feet)	SAMPLES			PID (ppm)	DESCRIPTION	REMARKS
	Sample No.	Sample	Blows/ Foot		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	
					Surface Elevation: Not Surveyed	
1					POORLY-GRADED SAND with GRAVEL (SP): light brown moist, poorly graded fine to medium sand with gravel	
2						
3					POORLY-GRADED SAND (SP): dark gray moist, poorly graded fine to medium sand	OVM reading collected using a RAE Systems MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
4						
5						
6					<div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; border: 1px solid black; margin-right: 5px;"></div> wet, sheen and strong TPH odor </div>	
7				1768		Groundwater sample KM-50-5.0-9.0 collected from a temporary, 3/4" diameter, stainless steel well screen set from 5.0-9.0 feet BGS.
8						
9						
10					Boring terminated at 10.0 feet, backfilled with bentonite chips and finished to match existing grade.	
11						
12						
13						
14						
15						

		Project No. 14697	Page 1 of 1
---	--	-------------------	-------------


PROJECT: Former Kelly Moore Facility Seattle, WA					Log of Boring No. KM-51				
BORING LOCATION: See map					ELEVATION AND DATUM: Not surveyed; datum is ground surface				
DRILLING CONTRACTOR: Cascade Drilling, Inc.					DATE STARTED: 3/4/15		DATE FINISHED: 3/4/15		
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 10.0		MEASURING POINT: Ground surface		
DRILLING EQUIPMENT: Power Probe 9630					DEPTH TO WATER (ft.)		FIRST 6.0	COMPL. NA	
SAMPLING METHOD: 5-foot-continuous-core system [5' x 2"]					LOGGED BY: N. Moxley				
HAMMER WEIGHT: NA			DROP: NA		RESPONSIBLE PROFESSIONAL: N. Moxley			REG. NO. L.G. 3024	

DEPTH (feet)	SAMPLES			PID (ppm)	DESCRIPTION	REMARKS
	Sample No.	Sample	Blows/ Foot		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	
					Surface Elevation: Not Surveyed	
1					POORLY-GRADED SAND (SP): light brown moist, poorly graded fine to medium sand	
2					dark gray	
3						OVM reading collected using a RAE Systems MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
4						
5						
6					wet, sheen and strong TPH odor	
7				1281		Groundwater sample KM-51-5.0-9.0 collected from a temporary, 3/4" diameter, stainless steel well screen set from 5.0-9.0 feet BGS.
8						
9						
10					Boring terminated at 10.0 feet, backfilled with bentonite chips and finished to match existing grade.	
11						
12						
13						
14						
15						

		Project No. 14697	Page 1 of 1
---	--	-------------------	-------------

PROJECT: Former Kelly Moore Facility Seattle, WA					Log of Boring No. KM-52				
BORING LOCATION: See map					ELEVATION AND DATUM: Not surveyed; datum is ground surface				
DRILLING CONTRACTOR: Cascade Drilling, Inc.					DATE STARTED: 3/4/15		DATE FINISHED: 3/4/15		
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 10.0		MEASURING POINT: Ground surface		
DRILLING EQUIPMENT: Power Probe 9630					DEPTH TO WATER (ft.)		FIRST 5.5	COMPL. NA	
SAMPLING METHOD: 5-foot-continuous-core system [5' x 2"]					LOGGED BY: N. Moxley				
HAMMER WEIGHT: NA			DROP: NA		RESPONSIBLE PROFESSIONAL: N. Moxley			REG. NO. L.G. 3024	

DEPTH (feet)	SAMPLES			PID (ppm)	DESCRIPTION	REMARKS
	Sample No.	Sample Blows/ Foot	NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.			
					Surface Elevation: Not Surveyed	
1					POORLY-GRADED SAND with GRAVEL (SP): light brown moist, poorly graded fine to medium sand with gravel	
2						
3						
4					POORLY-GRADED SAND (SP): reddish brown moist, poorly graded fine to medium sand	
5						
6				623	wet, sheen and strong TPH odor	
7						
8						
9						
10					Boring terminated at 10.0 feet, backfilled with bentonite chips and finished to match existing grade.	
11						
12						
13						
14						
15						

		Project No. 14697	Page 1 of 1
---	--	-------------------	-------------

PROJECT: Kelly-Moore 5400-5580 Airport Way South, Seattle, WA					Log of Boring No. KM-53		
BORING LOCATION: NORTHERN END OF PARKING LOT					ELEVATION AND DATUM: Ground Surface		
DRILLING CONTRACTOR: Cascade Drilling, Inc.					DATE STARTED: 8/2/16		DATE FINISHED: 8/2/16
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 15.0		MEASURING POINT: Ground surface
DRILLING EQUIPMENT: AMS POWER PROBE 9630					DEPTH TO WATER (ft.)		FIRST 9.0
SAMPLING METHOD: Geoprobe macro-core sampler [5' x 1.5"]					LOGGED BY: M. Lanier-Kamaha'o		
HAMMER WEIGHT: N/A			DROP: N/A		RESPONSIBLE PROFESSIONAL: J. Long		REG. NO. L.Hg. 1354

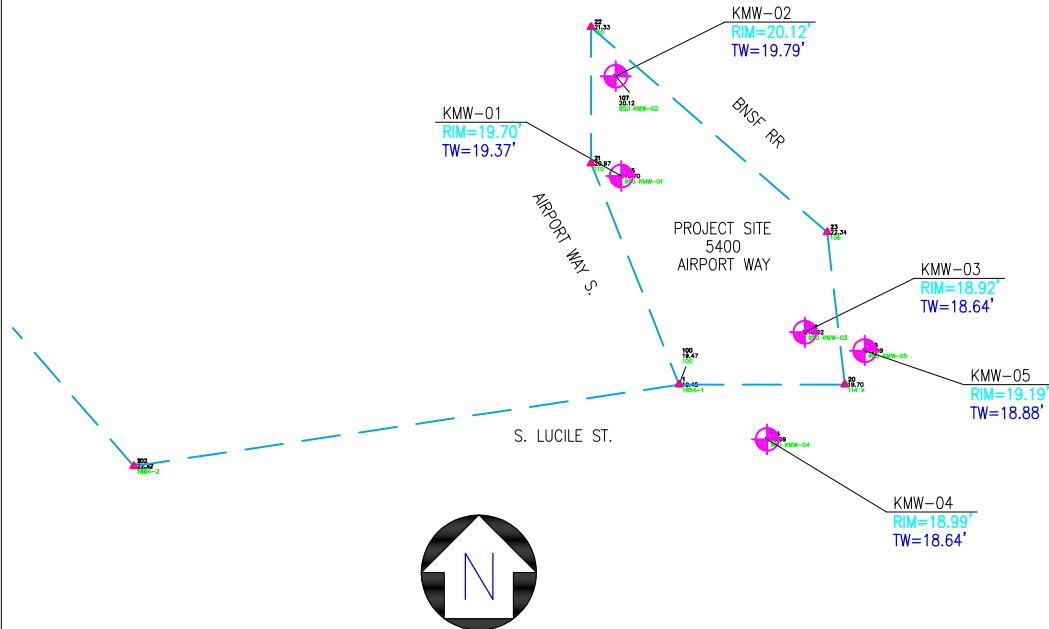
DEPTH (feet)	SAMPLES			OVM READING (ppm)	DESCRIPTION	REMARKS
	Sample No.	Sample	Blows/ Foot		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	
					Surface Elevation: Ground Surface	
1					Asphalt	
2	KM-53-2.5				SILTY SAND (SM): olive gray (5Y 4/2), Moist, 70% fine to coarse sand, 10% fine to coarse gravel, 20% low plasticity fines. Fill material	
3					dark gray (5Y 4/1), 85% fine to coarse sand, 15% low plasticity fines	PID readings measured headspace in sealed plastic bags; calibrate to 100ppm Isobutylene
4						
5	KM-53-6				POORLY-GRADED SAND (SP): dark olive gray (5Y 3/2), Moist, 95% fine sand and 5% fines	
6						
7				0		
8						
9	KM-53-9			289	fine to medium sand, odor, sheen when wet becomes wet at 9 ft.	
10						
11	KM-53-12			9.1		
12					fine sand, strong odor, sheen when wet	Groundwater sample collected from temporary 1in sch 40 PVC 0.010 slot screen, 11-15ft, KM-53-080216
13	KM-53-13.5					
14						
15					End Of Boring At 15ft Boring backfilled with medium bentonite chips hydrated in place from total depth to 6 inches below ground surface. Surface to 6 inches depth patched with concrete.	
16						
17						

PROJECT: Kelly-Moore 5400-5580 Airport Way South, Seattle, WA				Log of Boring No. KM-54			
BORING LOCATION: NORTHERN PARKING LOT ENTRANCE				ELEVATION AND DATUM: Ground Surface			
DRILLING CONTRACTOR: Cascade Drilling, Inc.				DATE STARTED: 8/2/16		DATE FINISHED: 8/2/16	
DRILLING METHOD: Direct push				TOTAL DEPTH (ft.): 15.0		MEASURING POINT: Ground surface	
DRILLING EQUIPMENT: AMS POWER PROBE 9630				DEPTH TO WATER (ft.)		FIRST 9.0	COMPL. N/A
SAMPLING METHOD: Geoprobe macro-core sampler [5' x 1.5"]				LOGGED BY: M. Lanier-Kamaha'o			
HAMMER WEIGHT: N/A		DROP: N/A		RESPONSIBLE PROFESSIONAL: J. Long			REG. NO. L.Hg. 1354

DEPTH (feet)	SAMPLES			OVM READING (ppm)	DESCRIPTION	REMARKS
	Sample No.	Sample	Blows/ Foot		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	
					Surface Elevation: Ground Surface	
1					Asphalt	PID readings measured headspace in sealed plastic bags; calibrate to 100ppm Isobutylene
2					SILTY SAND with GRAVEL (SM): dark olive brown (5Y 3/2), Moist, 60% fine to coarse sand, 20% low plasticity fines, 20% fine to coarse gravel, fill	
3	KM-54-3				gray (5Y 6/1), 55% fine to coarse sand, 30% fine to coarse gravel, 15% low plasticity fines, fill material	
4						
5						
6	KM-54-6			0.0	POORLY-GRADED SAND (SP): very dark gray (5Y 3/1), Moist, 95% fine sand, 5% fines	Groundwater sample collected from temporary 1in sch 40 PVC 0.010 slot screen, 11-15ft, KM-54-080216
7						
8					fine to medium sand strong brown (7.5YR 5/6),	
9	KM-54-9			0.0	becomes wet at 9 ft.	
10						
11					black (2.5Y 2.5/1),	
12	KM-54-12			0.0		
13	KM-54-13.5			0.0		
14						
15						
16					End Of Boring At 15ft Boring backfilled with medium bentonite chips hydrated in place from total depth to 6 inches below ground surface. Surface to 6 inches depth patched with concrete.	
17						

PROJECT: Kelly-Moore 5400-5580 Airport Way South, Seattle, WA					Log of Boring No. KM-55			
BORING LOCATION: NORTHWEST END OF PARKING LOT					ELEVATION AND DATUM: Ground Surface			
DRILLING CONTRACTOR: Cascade Drilling, Inc.					DATE STARTED: 8/2/16		DATE FINISHED: 8/2/16	
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 15.0		MEASURING POINT: Ground surface	
DRILLING EQUIPMENT: AMS POWER PROBE 9630					DEPTH TO WATER (ft.)		FIRST 9.0	COMPL. N/A
SAMPLING METHOD: Geoprobe macro-core sampler [5' x 1.5"]					LOGGED BY: M. Lanier-Kamaha'o			
HAMMER WEIGHT: N/A			DROP: N/A		RESPONSIBLE PROFESSIONAL: J. Long			REG. NO. L.Hg. 1354
DEPTH (feet)	SAMPLES			OVM READING (ppm)	DESCRIPTION		REMARKS	
	Sample No.	Sample	Blows/ Foot		NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.			
					Surface Elevation: Ground Surface			
1	KM-55-3			0.0	Asphalt		PID readings measured headspace in sealed plastic bags; calibrate to 100ppm Isobutylene	
					SILTY SAND (SM): olive gray (5Y 4/2), Moist, 70% fine to coarse sand, 10% fine to coarse gravel, 20% low plasticity fines			
2					SILTY SAND with GRAVEL (SM): gray (5Y 6/1), Moist, 50% fine to coarse sand, 30% fine to coarse gravel, 20% low plasticity fines			
3					SILTY SAND (SM): very dark gray (5Y 3/1), Moist, 65% fine to medium sand, 30% low plasticity fines, 5% fine gravel			
4					POORLY-GRADED SAND (SP): very dark grayish brown (2.5Y 3/2), Moist, 95% fine sand and 5% fines			
5	KM-55-6			0.0				
6					strong brown (7.5YR 5/6), oxidized weathering, fine to medium sand			
7								
8								
9	KM-55-9			0.0	becomes wet at 9 ft.			
10								
11								
12	KM-55-12				small peat lens with organic odor, fibrous		Groundwater sample collected from temporary 1in sch 40 PVC 0.010 slot screen, 11-15ft, KM-55-080216	
13					silt stringer			
14								
15	KM-55-14.5			0.0				
16					End Of Boring At 15ft Boring backfilled with medium bentonite chips hydrated in place from total depth to 6 inches below ground surface. Surface to 6 inches depth patched with concrete.			
17								
OAKBOREV (REV. 3/2015)								
Amec Foster Wheeler					Project No. 0146970030.00007		Page 1 of 1	

5400 AIRPORT WAY, SEATTLE WASHINGTON MONITOR WELL SURVEY



SCALE 1"=200'

HORIZONTAL DATUM - WELL COORDINATES PUBLISHED IN THE TABLES ARE WASHINGTON COORDINATE SYSTEM, NORTH ZONE NAD 83(91), US FEET.

VERTICAL DATUM - ELEVATIONS SHOWN HEREON ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM 1988, NAVD88.

MONITOR WELLS LOCATED MAY 12, 2011

* - TO CONVERT ELEVATIONS SHOWN HEREON TO NGVD29 ELEVATIONS, PLEASE SUBTRACT 3.59' FEET.

MONITOR WELL NO.	STAMPED	NORTH	EAST	RIM ELEV. OF CASE	TOP OF WELL ELEV.
KMW-01		205,697.8	1,272,963.2	19.70	19.37
KMW-02		205,801.8	1,272,957.4	20.12	19.79
KMW-03		205,535.1	1,273,154.5	18.92	18.64
KMW-04		205,423.6	1,273,115.1	18.99	18.64
KMW-05		205,516.0	1,273,217.0	19.19	18.88

DUANE HARTMAN & ASSOCIATES, INC.
— Surveyors —

16928 WOODINVILLE-REDMOND ROAD, B-107 (425) 483-5355
WOODINVILLE, WASHINGTON 98072 FAX (425) 483-4650



**SURVEY FOR
AMEX GEOMATRIX INC.**

CHECKED BY: DAH DATE: 05.13.2011

DRAWING NAME: 5400 MW.dwg

DRAWN BY: AAC DATE: 05.13.2011 PAGE 1 OF 1

APPENDIX D

Simplified Terrestrial Ecological Evaluation

Table 749-1

Simplified Terrestrial Ecological Evaluation – Exposure Analysis Procedure under WAC 173-340-7492(2)(a)(ii).^a

Estimate the area of contiguous (connected) undeveloped land on the site or within 500 feet of any area of the site to the nearest 1/2 acre (1/4 acre if the area is less than 0.5 acre). "Undeveloped land" means land that is not covered by existing buildings, roads, paved areas or other barriers that will prevent wildlife from feeding on plants, earthworms, insects or other food in or on the soil.

1) From the table below, find the number of points corresponding to the area and enter this number in the box to the right.	8																				
<table border="1"> <thead> <tr> <th>Area (acres)</th> <th>Points</th> </tr> </thead> <tbody> <tr> <td>0.25 or less</td> <td>4</td> </tr> <tr> <td>0.5</td> <td>5</td> </tr> <tr> <td>1.0</td> <td>6</td> </tr> <tr> <td>1.5</td> <td>7</td> </tr> <tr> <td>2.0</td> <td>8</td> </tr> <tr> <td>2.5</td> <td>9</td> </tr> <tr> <td>3.0</td> <td>10</td> </tr> <tr> <td>3.5</td> <td>11</td> </tr> <tr> <td>4.0 or more</td> <td>12</td> </tr> </tbody> </table>	Area (acres)	Points	0.25 or less	4	0.5	5	1.0	6	1.5	7	2.0	8	2.5	9	3.0	10	3.5	11	4.0 or more	12	
Area (acres)	Points																				
0.25 or less	4																				
0.5	5																				
1.0	6																				
1.5	7																				
2.0	8																				
2.5	9																				
3.0	10																				
3.5	11																				
4.0 or more	12																				
2) Is this an industrial or commercial property? See WAC 173-340-7490(3)(c). If yes, enter a score of 3 in the box to the right. If no, enter a score of 1.	3																				
3) Enter a score in the box to the right for the habitat quality of the site, using the rating system shown below ^b . (High = 1, Intermediate = 2, Low = 3)	3																				
4) Is the undeveloped land likely to attract wildlife? If yes, enter a score of 1 in the box to the right. If no, enter a score of 2. See footnote c.	2																				
5) Are there any of the following soil contaminants present: Chlorinated dioxins/furans, PCB mixtures, DDT, DDE, DDD, aldrin, chlordane, dieldrin, endosulfan, endrin, heptachlor, benzene hexachloride, toxaphene, hexachlorobenzene, pentachlorophenol, pentachlorobenzene? If yes, enter a score of 1 in the box to the right. If no, enter a score of 4.	1																				
6) Add the numbers in the boxes on lines 2 through 5 and enter this number in the box to the right. If this number is larger than the number in the box on line 1, the simplified terrestrial ecological evaluation may be ended under WAC 173-340-7492 (2)(a)(ii).	9																				

Footnotes:

- a It is expected that this habitat evaluation will be undertaken by an experienced field biologist. If this is not the case, enter a conservative score (1) for questions 3 and 4.
- b **Habitat rating system.** Rate the quality of the habitat as high, intermediate or low based on your professional judgment as a field biologist. The following are suggested factors to consider in making this evaluation:
Low: Early successional vegetative stands; vegetation predominantly noxious, nonnative, exotic plant species or weeds. Areas severely disturbed by human activity, including intensively cultivated croplands. Areas isolated from other habitat used by wildlife.
High: Area is ecologically significant for one or more of the following reasons: Late-successional native plant communities present; relatively high species diversity; used by an uncommon or rare species; priority habitat (as defined by the Washington Department of Fish and Wildlife); part of a larger area of habitat where size or fragmentation may be important for the retention of some species.
Intermediate: Area does not rate as either high or low.
- c Indicate "yes" if the area attracts wildlife or is likely to do so. Examples: Birds frequently visit the area to feed; evidence of high use by mammals (tracks, scat, etc.); habitat "island" in an industrial area; unusual features of an area that make it important for feeding animals; heavy use during seasonal migrations.



amec
foster
wheeler

Steven G. Ellis, PhD

Principal Scientist

Professional summary

Dr. Ellis is a principal aquatic biologist with more than 35 years of experience managing and conducting environmental studies in freshwater and coastal marine ecosystems. His areas of expertise include ecological and human health risk assessments, design and implementation of water-quality and sediment-quality monitoring programs, fish contaminant evaluations, development and application of biological indices for assessing aquatic impacts, watershed assessments, environmental permitting, and the preparation of environmental impact statements (EISs). He is a coauthor of EPA's national guidance documents on designing monitoring programs and assessing chemical contaminant levels in fish for use in fish advisories. On behalf of the American Fisheries Society, he has conducted national training workshops for Native American Tribes on risk-assessment methodologies and the design of water-quality, sediment quality, and fish monitoring programs.

Education

Ph.D., Biological Oceanography, Oregon State University, Corvallis, Oregon, 1991

M.S., Biological Oceanography, Oregon State University, Corvallis, Oregon, 1984

B.A., Biology, Lawrence University, Appleton, Wisconsin, 1980

Memberships/affiliations

Phi Kappa Phi Honor Society

Water Environment Federation

Society of Environmental Toxicology and Chemistry

American Fisheries Society

American Chemical Society

Representative projects

Terrestrial Ecological Evaluation (TEE) for the Former Custom Plywood Site Remedial Investigation/Feasibility Study, GBH Investments, LLC, Anacortes, WA

Completed a site-specific TEE, which is designed to facilitate selection of remedial options for Washington Model Toxics Control Act cleanup actions. Conducted earthworm survival and lettuce germination bioassays for a dilution series of site soil to select a soil Total Petroleum Hydrocarbon cleanup level that would be protective of plant, soil biota, and wildlife receptors.

Terrestrial Ecological Evaluation (TEE) for the Whitmarsh Landfill Remedial Investigation/Feasibility Study, Whitmarsh Landfill PLP Group, Skagit County, WA

Completed the problem formulation component of a TEE, which is designed to facilitate selection of remedial options for Washington Model Toxics Control Act cleanup actions.

Oak Bottoms Wildlife Refuge Habitat Restoration Evaluation, City of Portland, Portland, OR

Evaluated the likely change in sediment concentrations of DDT and its degradation compounds DDE and DDD in the Oak Bottoms Wildlife Refuge (OBWR) following the future implementation of the OBWR Tidal restoration project. The evaluation considered different options for removal and replacement of a culvert, and removal of sediment within the refuge. An objective of the project was also to determine whether the restoration would alter future DDT degradation rates, which could be used to adjust natural resource damage assessment credit for the restoration project. Pre and post-

restoration sediment concentrations of DDT compounds within restoration segments of the refuge were calculated. Changes in DDT degradation rates in pre- and post-restoration habitat physical conditions were assessed based on rate changes in different media, anaerobic versus aerobic environments, and exposure to UV radiation

Triumph Mine Human-Health and Ecological Risk Assessment, Idaho Department of Environmental Quality, Triumph Mine, ID

Principal-in-charge/Project manager. Prepared baseline risk assessments for a CERCLA remedial investigation and feasibility study. Assessed risks from soil ingestion, inhalation, drinking-water ingestion, and vegetable intake. The main contaminants of concern were arsenic and lead.

Leviathan Mine Remedial Investigation Baseline Ecological Risk Assessment, Atlantic Richfield Company (ARCO), Carson City, NV

Managing the baseline ecological risk assessment for the CERCLA Leviathan Mine Superfund site. Compiled and evaluated historical information on water quality, sediment quality, soil and groundwater contaminant concentrations, and contaminants in plants and biota. Developed the study design, conceptual site model, and prepared the work plan for collecting additional data to complete the risk assessment for the remedial investigation.

Development of Human and Ecological Risk-Based Soil Cleanup Levels for Abandoned Mine Sites, U.S. Forest Service, Boise, ID

Project scientist. Developed risk-based soil/sediment cleanup levels for common metal contaminants at abandoned mine sites in Idaho based on several human recreational use scenarios that considered dermal, inhalation, and ingestion and exposure scenarios for selected wildlife receptors.

Risk-Based Cleanup Guidelines for Abandoned Mine Sites, Montana Department of Environmental Quality, MT

Project scientist. Developed human health and ecological risk-based soil/sediment cleanup levels for common metal contaminants at abandoned mine sites in Montana. Risk-based exposure scenarios were used to rank potential risks posed by abandoned mine sites in Montana to assist in prioritizing state remediation actions.

Kitsault Mine Environmental Assessment, Avanti Mining Inc., Kitsault, British Columbia, Canada

Project manager/Designated lead. Prepared the environmental assessment for potential effects to the marine environment associated with reopening and further developing the Kitsault molybdenum mine. Designed and implemented a marine environmental monitoring program to characterize baseline conditions and detect future project effects. Monitoring characterized concentrations and distributions of 28 metals in water, sediment, shellfish, and fish.

Raven Mine Environmental Assessment, Compliance Energy Corporation, Vancouver, British Columbia

Task manager. Designated lead for the environmental assessment for potential effects to the marine environment associated with reopening and developing the Raven coal mine along the eastern side of Vancouver Island and shipping product from the Port of Alberni through Alberni Inlet and Trevor Channel to international markets. Evaluated impacts from dredging, port in-water construction noise, modelled vessel wakes associated with Panamax class vessels and the potential for marine mammal collisions. Provided presentations to government agencies and First Nations.

Kensington Gold Mine Project EIS, U.S. Forest Service, Coeur, AK

Project scientist. Assisted in the preparation of an ecological risk assessment that evaluated EIS alternatives for tailings disposal in a lake and construction of a marine dock facility. Participated in

meetings with the technical work group to respond to comments on the draft EIS and discuss the ecological risk assessment.

Rock Creek Mine EIS, Montana Department of Environmental Quality, Northeast MT

Project scientist. Wrote the baseline and potential impact EIS sections for aquatic biology and water quality. Prepared a loading analysis to evaluate nutrient discharge to the Clark Fork River and Lake Pend Oreille that evaluated impacts to aquatic biota and nutrient concentrations under different mine operation scenarios.

Montana Tunnels Mine Pit Expansion EIS, Montana Department of Environmental Quality, Jefferson County, MT

Project scientist. Conducted a site assessment of fisheries resources in the area proposed for the mine pit expansion. Reviewed and provided comments on the potential impacts to fish populations based on the proposed rerouting of a stream as part of the proposed operations.

Riverside Agricultural Park Ecological Risk Assessment, City of Riverside, CA

Ecological Risk Lead. Completed a predictive ecological risk assessment to assess potential impacts to terrestrial receptors and aquatic biota in the Santa Ana River near Riverside, CA. Modelled contaminant transfer from soil to plants and to potential small mammal prey. The main contaminants of concern were PCBs and dioxins/furans.

Martell Facility Ecological Risk Assessment, Sierra Pacific Industries, Martell, CA

Ecological Risk Lead. Completed a predictive ecological risk assessment to assess potential impacts to terrestrial receptors and aquatic biota in and adjacent to drainage channels on property that historically included a wood manufacturing operation, waste landfill, ash disposal area, and undeveloped land. The main contaminants of concern were dioxins/furans.

Ecological Risk Assessment for the Former Whittaker Ordnance Facility, Whittaker Corporation, Hollister, CA

Project scientist. Completed an ecological risk assessment to establish soil and vapor cleanup objectives for the remediation of a former ordnance facility. Primary contaminants of concern were perchlorate, hexavalent chromium, and trichloroethylene. Burrowing mammals and herbivores were the ecological receptors of concern for the site. The California Central Coast Regional Water Quality Control Board approved the proposed cleanup objectives.

Ecological Risk Assessment of Stormwater Discharges, Briscoe Ivestor & Bazel, LLP, Eureka, CA

Project scientist. Prepared an expert report that evaluated the likelihood of imminent and substantial endangerment to the environment from past and current stormwater discharges of metals to a tidally influenced slough and to the waters of Humboldt Bay, California.

Humboldt Bay Power Generating Facility Voluntary Cleanup Actions, Resolute Management, Inc., Humboldt County, CA

Project scientist and ecological risk assessment lead. Assisted in developing the study design for a work plan to fill existing data gaps on chemical fate and transport on site to evaluate both terrestrial and marine impacts. Completed a statistical analysis of existing data to develop site-specific metal background concentrations for lowland soils and groundwater. Completed an ecological risk assessment for terrestrial and aquatic biota. Modeled contaminant uptake to plants, soil invertebrates, small mammals, and fish. Assessed projected worst-case increases in sea level to evaluate future ecological from contaminant exposure. Data were screened against background values and other toxicity benchmark values to identify areas impacted by past facility operations.

Ecological Risk Assessment for Livestock at the Geothermal Inc. Landfill Restoration Site, Pacific Gas & Electric Company, Middletown, CA

Project scientist. Spanish/Boer cross goats were being used on site for vegetation control and beef cattle grazing was being considered as a land-use option for generating income. A study design was developed to measure boron concentrations in soil, water, and site vegetation to evaluate the potential ecological risk to livestock grazing on the site.

Lower Willamette River Remedial Investigation and Feasibility Study (RI/FS) Work Plan, Oregon Department of Environmental Quality (DEQ), OR

Provided technical support for the development of a draft RI/FS work plan for the lower Willamette River Superfund site. Worked with Oregon State staff to develop a conceptual approach for allocating responsibility for contaminants of concern in sediments. Also facilitated a workshop on how to characterize impacts of polycyclic aromatic hydrocarbons on salmonids, and evaluated fish habitat and migration risk assessment approaches proposed by the DEQ.

Truck Manufacturing Plant Remedial Investigation, Stoel Rives, LLP, Portland, OR

Provided technical and strategic support to evaluate contaminant transport via groundwater and stormwater into the Willamette River and the feasibility of developing a sediment cap as a remedial option.

Voluntary Cleanup Program Support for Aquatic Impacts Associated with the St. Helens Mill, Boise Cascade, OR

Technical lead and project manager for a project to assist Boise Cascade with technical and strategic support to characterize and potentially remediate areas of the Multnomah Channel in the vicinity of the St. Helens Mill. Activities were conducted within the framework of Oregon's voluntary cleanup program. Contaminants of concern included metals, PCBs, dioxin/furans, and PCBs. Assessed tidally-driven upstream sediment transport; Prepared Phase I and II ecological and human risk assessments; and designed field sampling programs.

Human-Health and Ecological Risk Assessment of Homebush Bay Sediments, Australia Office of Marine Administration, Sydney, Australia

Assisted in the design and implementation of a study to assess dioxin risks posed by dioxin-contaminated sediments in Homebush Bay. Assisted in the development of a food-web model relating contaminants in fish with sediment concentrations. The model was used to develop a remedial strategy to reduce exposure to biota and humans.

Polychlorinated Biphenyls Food-Web Modeling for the Housatonic River, Roy F. Weston, Inc., MA

Provided technical support and oversight for the application and calibration of the AQUATOX food-web model to evaluate the bioaccumulation of sediment PCB into selected fish, birds, mammals, and amphibians. This project was undertaken to develop remedial options for PCBs in the Housatonic River sediments as part of a CERCLA remedial investigation and feasibility study.

APPENDIX E

Previous Investigation Reports

TABLE 1

1997 AND 1998 SOIL SAMPLE RESULTS¹
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Location	MTCA Method A Industrial Criterion	S-1	S-2	S-3	S-4	S-5	S-6	S-7	S-8	S-9	S-10	S-11	S-12	S-13	S-14	S-15	S-16	S-17	NE	NW	SE	SW	E	W
Sample Location		sidewall	sidewall	sidewall	sidewall	stockpile	stockpile	stockpile	stockpile	stockpile	floor	floor	floor	floor	floor	sidewall	sidewall	sidewall	sidewall	sidewall	sidewall	sidewall	sidewall	
Depth (ft bgs)		8	7	7	8	NA	NA	NA	NA	NA	7	7	7	7	7	4	6	7	6	6	6	6	6	6
Sample Date		11/5/97	11/5/97	11/5/97	11/5/97	11/5/97	11/5/97	11/17/97	11/17/97	11/17/97	11/21/97	11/21/97	11/21/97	11/21/97	11/21/97	11/21/97	11/21/97	12/1/97	3/18/98	3/18/98	3/18/98	3/18/98	3/18/98	3/18/98
Analyte																								
TPH (mg/kg)																								
Mineral spirits	100	2150	1600	114	121	1480	201	1000	327	1530	80.6	3120	81.1	136	29.3	<5.00	96.8	10.7	5.51	<5.0	<5.0	<5.0	<5.0	<5.0
PCBs (mg/kg)																								
Aroclor 1260	1	0.132	<0.050	<0.050	<0.050	0.0521	<0.050	0.0727	<0.050	0.0997	<0.050	0.0583	0.0635	0.0588	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Metals (mg/kg)																								
Aluminum	--	5,300	5,180	3,170	2,960	4,960	4,250	6,210	5,070	4,500	6,790	7,710	7,410	6,370	6,040	6,860	6,360	4,390	8,820	6,040	6,450	6,100	7,630	6,890
Antimony	--	<0.792	<0.792	<0.792	<0.792	<0.792	<0.792	<0.792	<0.792	<0.792	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
Arsenic	20	<3.65	<3.65	<3.65	<3.65	<3.65	<3.65	<3.65	<3.65	<3.65	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	2.21	1.58	2.02	1.28	2.19	1.42
Cadmium	2	<0.244	<0.244	<0.244	<0.244	<0.244	<0.244	<0.244	<0.244	<0.244	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
Selenium	--	<3.83	<3.83	<3.83	<3.83	<3.83	<3.83	<3.83	<3.83	<3.83	<7.50	<7.50	<7.50	<7.50	7.6	<7.50	<7.50	<7.50	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
VOCs (mg/kg)																								
2-butanone	--	<20.0	<2.00	<4.00	6.08	<20.0	<2.00	<20.0	<20.0	<20.0	<20.0	<20.0	<8.00	<20.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
n-butylbenzene	--	2.92	1.29	<0.400	<0.200	2.47	0.35	<2.00	<2.00	<2.00	<2.00	<2.00	<0.800	<2.00	<0.200	<0.200	0.373	<0.200	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
sec-butylbenzene	--	<2.00	0.714	<0.400	<0.200	<2.00	<0.200	<2.00	<2.00	<2.00	<2.00	<2.00	<0.800	<2.00	<0.200	<0.200	<0.200	<0.200	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
Carbon disulfide	--	<2.00	<0.200	<0.400	<0.200	<2.00	<0.200	<2.00	<2.00	<2.00	<5.00	<5.00	<2.00	<5.00	<0.500	<0.500	<0.500	<0.200	<0.100	<0.100	<0.100	<0.100	0.188	<0.100
Chloromethane	--	<2.00	<0.200	<0.400	<0.200	<2.00	<0.200	<2.00	5.03	<2.00	<2.00	<2.00	<0.800	<2.00	<0.200	<0.200	<0.200	<0.200	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
Ethylbenzene	6	54.7	12.3	5.21	2.06	30.1	2.99	6.93	12.2	7.64	3.96	171	2.34	2.59	0.325	<0.200	1.26	<0.200	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
Isopropylbenzene	--	2.26	1.7	<0.400	<0.200	<2.00	<0.200	<2.00	<2.00	<2.00	<2.00	2.33	<0.800	<2.00	<0.200	<0.200	0.223	<0.200	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
p-isopropyltoluene	--	3.17	0.7	<0.400	<0.200	2.68	0.248	<2.00	<2.00	<2.00	<2.00	<2.00	<0.800	<2.00	<0.200	<0.200	0.249	<0.200	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
4-methyl-2-pentanone	--	<20.0	<2.00	<4.00	<2.00	45	<2.00	<20.0	<20.0	<20.0	<20.0	140	8.2	<20.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Naphthalene	5	<2.00	0.219	<0.400	<0.200	<2.00	0.283	<2.00	<2.00	<2.00	<2.00	6.44	<0.800	<2.00	<0.200	<0.200	<0.200	<0.200	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
n-propylbenzene	--	5.21	2.79	<0.400	<0.200	3.51	0.39	<2.00	<2.00	<2.00	<2.00	3.05	<0.800	<2.00	<0.200	<0.200	0.74	<0.200	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
Toluene	7	<2.00	<0.200	<0.400	1.64	285	0.656	17.1	22.6	20	56.6	5640	46.2	22.7	0.242	0.231	0.263	<0.200	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
1,2,4-trimethylbenzene	--	22.3	5.01	0.651	0.419	17.9	2	4.53	4.3	5.9	<2.00	15.7	0.91	2.88	<0.200	<0.200	3.35	0.324	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
1,3,5-trimethylbenzene	--	9.95	0.58	<0.400	<0.200	8.45	0.552	<2.00	<2.00	<2.00	<2.00	8.08	<0.800	<2.00	<0.200	<0.200	1.12	<0.200	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
Total xylenes	9	212.24	4.83	22.44	10.82	151.3	7.77	49.22	53.1	43.04	36.71	968	23.36	17.42	2.311	<0.400; <0.200	3.7	<0.400; <0.200	0.238	<0.200; <0.100	<0.200; <0.100	<0.200; <0.100	<0.200; <0.100	<0.200; <0.100

Notes

1. Concentrations greater than screening level are shown in **bold**.

Abbreviations

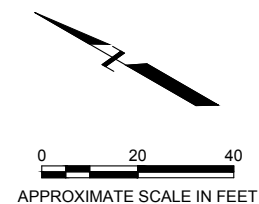
ft bgs = feet below ground surface
mg/kg = milligrams per kilogram
MTCA = Model Toxics Control Act
NA = not applicable
PCBs = polychlorinated biphenyls
TPH = total petroleum hydrocarbons
VOCs = volatile organic compounds

Plot Date: 03/27/17 - 3:54pm, Plotted by: adam.stenberg
Drawing Path: C:\Users\adam.stenberg\appdata\local\temp\AcPublish_10764\, Drawing Name: SiteMap_KellyMoore-report_110909.dwg



EXPLANATION

- S1 HISTORICAL SOIL SAMPLE LOCATION (1997)
- FLOOR DRAIN
- X — FENCE LINE
- 7** BUILDING NUMBER



HISTORIC SOIL SAMPLE LOCATIONS AND SUMMARY RESULTS - NORTH Former Kelly-Moore Manufacturing Facility Seattle, Washington

By: APS	Date: 03/27/17	Project No. 14697
Amec Foster Wheeler Environment & Infrastructure, Inc.		Figure 2

TABLE 1

PHASE I COMPOSITE BULK AND WIPE FLOOR SAMPLING RESULTS^{1,2}
 Former Kelly-Moore Manufacturing Facility
 Seattle, Washington

Sample ID	Primary Samples Included and Analyzed Individually	Description of Sample Location	Number of Locations in Composite Sample	High Occupancy Screening Criterion ³	Low Occupancy Screening Criterion ⁴	Sample Date	Units	Total PCBs	Aroclor 1016	Aroclor 121	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
Bulk Samples															
KM09-6A-COMP	NA ⁵	Building 6, second floor, pulverized concrete	6	0.24 mg/kg	5.9 mg/kg	8/26/2009	mg/kg	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KM09-6B-COMP	NA ⁵		9	0.16 mg/kg	3.93 mg/kg	8/26/2009	mg/kg	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KM09-6C-COMP	KM09-6-16 through KM09-6-24		9	0.16 mg/kg	3.93 mg/kg	8/26/2009	mg/kg	2.4	<0.20	<0.20	<0.20	0.23	<0.20	1.2	0.97
KM09-6D-COMP	NA ⁵		6	0.24 mg/kg	5.9 mg/kg	8/26/2009	mg/kg	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KM09-6E-COMP	NA ⁵		6	0.24 mg/kg	5.9 mg/kg	8/26/2009	mg/kg	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KM09-6F-COMP	NA ⁵	Building 6, ground floor, pulverized concrete	6	0.24 mg/kg	5.9 mg/kg	8/27/2009	mg/kg	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KM09-6G-COMP	NA ⁵		9	0.16 mg/kg	3.93 mg/kg	8/27/2009	mg/kg	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KM09-6H-COMP	KM09-6-52 through KM09-6-60		9	0.16 mg/kg	3.93 mg/kg	8/27/2009	mg/kg	1.03	<0.20	<0.20	<0.20	<0.20	<0.20	0.33	0.70
KM09-6I-COMP	KM09-6-61 through KM09-6-66		6	0.24 mg/kg	5.9 mg/kg	8/27/2009	mg/kg	1.08	<0.20	<0.20	<0.20	<0.20	<0.20	0.36	0.72
KM09-7A-COMP	NA ⁵	Building 7, ground floor, pulverized concrete	9	0.16 mg/kg	3.93 mg/kg	8/27/2009	mg/kg	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KM09-7B-COMP	NA ⁵		9	0.16 mg/kg	3.93 mg/kg	8/27/2009	mg/kg	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KM09-7C-COMP	KM09-7-19 through KM09-7-27		9	0.16 mg/kg	3.93 mg/kg	8/27/2009	mg/kg	2.6	<0.20	<0.20	<0.20	<0.20	<0.20	1.5	1.1
KM09-7D-COMP	NA ⁵		8	0.18 mg/kg	4.42 mg/kg	8/28/2009	mg/kg	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KM09-7E-COMP	NA ⁵		9	0.16 mg/kg	3.93 mg/kg	8/28/2009	mg/kg	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KM09-8C-COMP	NA ⁵	Building 8, second floor, wood shavings	5	0.28 mg/kg	7.08 mg/kg	8/28/2009	mg/kg	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KM09-8D-COMP/ KM09-8-DUP	NA ⁵	Building 8, ground floor, pulverized concrete	9	0.16 mg/kg	3.93 mg/kg	8/28/2009	mg/kg	<0.20/<0.20	<0.20/<0.20	<0.20/<0.20	<0.20/<0.20	<0.20/<0.20	<0.20/<0.20	<0.20/<0.20	<0.20/<0.20
KM09-8E-COMP	NA ⁶		6	0.24 mg/kg	5.9 mg/kg	8/31/2009	mg/kg	4.7	<0.20	<0.20	<0.20	<0.20	<0.20	2.4	2.3
KM09-8F-COMP	NA ⁶		6	0.24 mg/kg	5.9 mg/kg	8/31/2009	mg/kg	2.01	<0.20	<0.20	<0.20	<0.20	<0.20	1.1	0.91
KM09-8G-COMP	NA ⁶		8	0.18 mg/kg	4.42 mg/kg	8/31/2009	mg/kg	7.5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	7.5
KM09-8H-COMP	NA ⁶		8	0.18 mg/kg	4.42 mg/kg	8/31/2009	mg/kg	4.5	<0.20	<0.20	<0.20	<0.20	<0.20	2.7	1.8
KM09-8I-COMP	NA ⁶		8	0.18 mg/kg	4.42 mg/kg	8/31/2009	mg/kg	0.98	<0.20	<0.20	<0.20	<0.20	<0.20	0.64	0.34
KM09-8J-COMP	NA ⁶		6	0.24 mg/kg	5.9 mg/kg	8/31/2009	mg/kg	0.23	<0.20	<0.20	<0.20	<0.20	<0.20	0.23	<0.20
KM09-8K-COMP	NA ⁵		9	0.16 mg/kg	3.93 mg/kg	8/31/2009	mg/kg	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050

TABLE 1

PHASE I COMPOSITE BULK AND WIPE FLOOR SAMPLING RESULTS^{1,2}
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample ID	Primary Samples Included and Analyzed Individually	Description of Sample Location	Number of Locations in Composite Sample	High Occupancy Screening Criterion ³	Low Occupancy Screening Criterion ⁴	Sample Date	Units	Total PCBs	Aroclor 1016	Aroclor 121	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
Wipe Samples															
KM09-8A-COMP	NA ⁵	Building 8, second floor, steel floor wipe sample	6	10 µg/100 cm ^{2, 7}		8/28/2009	µg/100 cm ²	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83
KM09-8B-COMP	NA ⁵	Building 8, second floor, steel floor wipe sample	6	10 µg/100 cm ^{2, 7}		8/28/2009	µg/100 cm ²	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83

- Notes
- All samples were collected on August 26-31, 2009, and analyzed for PCBs by EPA Method 8082 at OnSite Environmental Inc., in Redmond, Washington.
 - Detected concentrations greater than high-occupancy screening criterion are shown in **bold**.
 - High-occupancy cleanup levels were established as screening criteria for composite samples. The screening criteria were calculated using the method described by the EPA (1985). High-occupancy screening criteria were calculated by $(0.8) \cdot (1 \text{ mg/kg}) + (2.576) \cdot (0.3) \cdot (0.8) \cdot (1.0) = 1.42 \text{ mg/kg/number of subsamples in composite}$.
 - Low-occupancy cleanup levels were established as screening criteria for composite samples. The screening criteria were calculated using the method described by the EPA (1985). Low-occupancy screening criteria were calculated by $(0.8) \cdot (25 \text{ mg/kg}) + (2.576) \cdot (0.3) \cdot (0.8) \cdot (1.0) = 35.4 \text{ mg/kg/ number of subsamples in composite}$.
 - Primary samples were not analyzed because concentrations of total PCBs in the composite sample were less than the reporting limit shown.
 - Primary samples were not analyzed because detections of total PCBs in the composite sample at concentrations greater than the high-occupancy screening criteria were widespread and prevalent throughout Building 8. The multiple areas of PCB detections made it infeasible to locate the exceedances with more accuracy.
 - PCB cleanup levels for non-porous surfaces for high-occupancy areas are established in the Toxic Substances Control Act (40 CFR Part 761.61).

Abbreviations

< = compound not detected at or above laboratory reporting limit shown

µg/100 cm² = micrograms per 100 square centimeters

mg/kg = milligrams per kilogram

NA = not applicable

PCBs = polychlorinated biphenyls

TABLE 2

PHASE I PRIMARY BULK FLOOR SAMPLING RESULTS^{1,2}

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Results reported in milligrams per kilogram (mg/kg)

Sample ID	Composite Grid	Sample Date	Total PCBs	Aroclor 1016	Aroclor 121	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
KM09-6-1	KM09-6A-COMP	8/26/09	Not Analyzed							
KM09-6-2		8/26/09								
KM09-6-3		8/26/09								
KM09-6-4		8/26/09								
KM09-6-5		8/26/09								
KM09-6-6		8/26/09								
KM09-6-7	KM09-6B-COMP	8/26/09	Not Analyzed							
KM09-6-8		8/26/09								
KM09-6-9		8/26/09								
KM09-6-10		8/26/09								
KM09-6-11		8/26/09								
KM09-6-12		8/26/09								
KM09-6-13		8/26/09								
KM09-6-14		8/26/09								
KM09-6-15		8/26/09								
KM09-6-16	KM09-6C-COMP	8/26/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-17		8/26/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-18		8/26/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-19		8/26/09	1.93	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	0.73
KM09-6-20		8/26/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-21		8/26/09	0.66	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.66
KM09-6-22		8/26/09	0.61	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.61
KM09-6-23		8/26/09	18.5	<0.50	<0.50	<0.50	<0.50	<0.50	13	5.5
KM09-6-24		8/26/09	0.91	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-25	KM09-6D-COMP	8/26/09	Not Analyzed							
KM09-6-26		8/26/09								
KM09-6-27		8/26/09								
KM09-6-28		8/26/09								
KM09-6-29		8/26/09								
KM09-6-30		8/26/09								
KM09-6-31	KM09-6E-COMP	8/26/09	Not Analyzed							
KM09-6-32		8/26/09								
KM09-6-33		8/26/09								
KM09-6-34		8/26/09								
KM09-6-35		8/26/09								
KM09-6-36		8/26/09								

TABLE 2

PHASE I PRIMARY BULK FLOOR SAMPLING RESULTS^{1,2}

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Results reported in milligrams per kilogram (mg/kg)

Sample ID	Composite Grid	Sample Date	Total PCBs	Aroclor 1016	Aroclor 121	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
KM09-6-37	KM09-6F-COMP	8/27/09	Not Analyzed							
KM09-6-38		8/27/09								
KM09-6-39		8/27/09								
KM09-6-40		8/27/09								
KM09-6-41		8/27/09								
KM09-6-42		8/27/09								
KM09-6-43	KM09-6G-COMP	8/27/09	Not Analyzed							
KM09-6-44		8/27/09								
KM09-6-45		8/27/09								
KM09-6-46		8/27/09								
KM09-6-47		8/27/09								
KM09-6-48		8/27/09								
KM09-6-49		8/27/09								
KM09-6-50		8/27/09								
KM09-6-51		8/27/09								
KM09-6-52	KM09-6H-COMP	8/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-53		8/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-54		8/27/09	0.60	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-55		8/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-56		8/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-57		8/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-58		8/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-59		8/27/09	1.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1.50
KM09-6-60		8/27/09	4.9	<0.50	<0.50	<0.50	<0.50	<0.50	1.7	3.20
KM09-6-61	KM09-6I-COMP	8/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-62		8/27/09	5.4	<0.50	<0.50	<0.50	<0.50	<0.50	1.9	3.50
KM09-6-63		8/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-64		8/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-65		8/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-66		8/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-7-1	KM09-7A-COMP	8/27/09	Not Analyzed							
KM09-7-2		8/27/09								
KM09-7-3		8/27/09								
KM09-7-4		8/27/09								
KM09-7-5		8/27/09								
KM09-7-6		8/27/09								
KM09-7-7		8/27/09								
KM09-7-8		8/27/09								
KM09-7-9		8/27/09								

TABLE 2

PHASE I PRIMARY BULK FLOOR SAMPLING RESULTS^{1,2}

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Results reported in milligrams per kilogram (mg/kg)

Sample ID	Composite Grid	Sample Date	Total PCBs	Aroclor 1016	Aroclor 121	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
KM09-7-10	KM09-7B-COMP	8/27/09	Not Analyzed							
KM09-7-11		8/27/09								
KM09-7-12		8/27/09								
KM09-7-13		8/27/09								
KM09-7-14		8/27/09								
KM09-7-15		8/27/09								
KM09-7-16		8/27/09								
KM09-7-17		8/27/09								
KM09-7-18		8/27/09								
KM09-7-19	KM09-7C-COMP	8/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-7-20		8/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-7-21		8/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-7-22		8/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-7-23		8/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-7-24		8/27/09	25.8	<0.50	<0.50	<0.50	<0.50	<0.50	17	8.8
KM09-7-25		8/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-7-26		8/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-7-27		8/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-7-28	KM09-7D-COMP	8/28/09	Not Analyzed							
KM09-7-29		8/28/09								
KM09-7-30		8/28/09								
KM09-7-31		8/28/09								
KM09-7-32		8/28/09								
KM09-7-33		8/28/09								
KM09-7-34		8/28/09								
KM09-7-35		8/28/09								
KM09-7-36	KM09-7E-COMP	8/28/09	Not Analyzed							
KM09-7-37		8/28/09								
KM09-7-38		8/28/09								
KM09-7-39		8/28/09								
KM09-7-40		8/28/09								
KM09-7-41		8/28/09								
KM09-7-42		8/28/09								
KM09-7-43		8/28/09								
KM09-7-44		8/28/09								
KM09-8-1	KM09-8A-COMP	8/28/09	Not Analyzed							
KM09-8-2		8/28/09								
KM09-8-3		8/28/09								
KM09-8-4		8/28/09								
KM09-8-5		8/28/09								

TABLE 2

PHASE I PRIMARY BULK FLOOR SAMPLING RESULTS^{1,2}

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Results reported in milligrams per kilogram (mg/kg)

Sample ID	Composite Grid	Sample Date	Total PCBs	Aroclor 1016	Aroclor 121	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
KM09-8-6	KM09-8B-COMP	8/28/09	Not Analyzed							
KM09-8-7		8/28/09								
KM09-8-8		8/28/09								
KM09-8-9		8/28/09								
KM09-8-10		8/28/09								
KM09-8-11		8/28/09								
KM09-8-12	KM09-8C-COMP	8/28/09	Not Analyzed							
KM09-8-13		8/28/09								
KM09-8-14		8/28/09								
KM09-8-15		8/28/09								
KM09-8-16		8/28/09								
KM09-8-17		8/28/09								
KM09-8-18	KM09-8D-COMP	8/28/09	Not Analyzed							
KM09-8-19		8/28/09								
KM09-8-20		8/28/09								
KM09-8-21		8/28/09								
KM09-8-22		8/28/09								
KM09-8-23		8/28/09								
KM09-8-24		8/28/09								
KM09-8-25		8/28/09								
KM09-8-26		8/28/09								
KM09-8-27	KM09-8E-COMP	8/31/09	Not Analyzed							
KM09-8-28		8/31/09								
KM09-8-29		8/31/09								
KM09-8-30		8/31/09								
KM09-8-31		8/31/09								
KM09-8-32		8/31/09								
KM09-8-33	KM09-8F-COMP	8/31/09	Not Analyzed							
KM09-8-34		8/31/09								
KM09-8-35		8/31/09								
KM09-8-36		8/31/09								
KM09-8-37		8/31/09								
KM09-8-38		8/31/09								

TABLE 2

PHASE I PRIMARY BULK FLOOR SAMPLING RESULTS^{1,2}

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Results reported in milligrams per kilogram (mg/kg)

Sample ID	Composite Grid	Sample Date	Total PCBs	Aroclor 1016	Aroclor 121	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
KM09-8-39	KM09-8G-COMP	8/31/09	Not Analyzed							
KM09-8-40		8/31/09								
KM09-8-41		8/31/09								
KM09-8-42		8/31/09								
KM09-8-43		8/31/09								
KM09-8-44		8/31/09								
KM09-8-45		8/31/09								
KM09-8-46		8/31/09								
KM09-8-47	KM09-8H-COMP	8/31/09	Not Analyzed							
KM09-8-48		8/31/09								
KM09-8-49		8/31/09								
KM09-8-50		8/31/09								
KM09-8-51		8/31/09								
KM09-8-52		8/31/09								
KM09-8-53		8/31/09								
KM09-8-54		8/31/09								
KM09-8-55	KM09-8I-COMP	8/31/09	Not Analyzed							
KM09-8-56		8/31/09								
KM09-8-57		8/31/09								
KM09-8-58		8/31/09								
KM09-8-59		8/31/09								
KM09-8-60		8/31/09								
KM09-8-61		8/31/09								
KM09-8-62		8/31/09								
KM09-8-63	KM09-8J-COMP	8/31/09	Not Analyzed							
KM09-8-64		8/31/09								
KM09-8-65		8/31/09								
KM09-8-66		8/31/09								
KM09-8-67		8/31/09								
KM09-8-68		8/31/09								
KM09-8-69	KM09-8K-COMP	8/31/09	Not Analyzed							
KM09-8-70		8/31/09								
KM09-8-71		8/31/09								
KM09-8-72		8/31/09								
KM09-8-73		8/31/09								
KM09-8-74		8/31/09								
KM09-8-75		8/31/09								
KM09-8-76		8/31/09								
KM09-8-77		8/31/09								

TABLE 2

PHASE I PRIMARY BULK FLOOR SAMPLING RESULTS^{1,2}

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Results reported in milligrams per kilogram (mg/kg)

Sample ID	Composite Grid	Sample Date	Total PCBs	Aroclor 1016	Aroclor 121	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
KM09-8-78	Building 8, former floor scales, subfloor, pulverized concrete	8/31/09	44	<50	<50	<50	<10	<10	16	28
KM09-8-79	Building 8, former floor scales, subfloor, pulverized concrete	8/31/09	100	<10	<10	<10	<10	<10	<10	100
High-Occupancy Screening Criterion³			1	--	--	--	--	--	--	--
Low-Occupancy Screening Criterion³			25	--	--	--	--	--	--	--

Notes

1. All samples were collected on August 26-31, 2009, and analyzed for PCBs by EPA Method 8082 at OnSite Environmental Inc., in Redmond, Washington.
2. Concentrations greater than high-occupancy screening criterion are shown in **bold**.
3. For primary samples, PCB cleanup levels for low-occupancy and high-occupancy areas are established in the Toxic Substances Control Act (40 CFR Part 761.61).

Abbreviations

< = compound not detected at or above laboratory reporting limit shown

CFR = Code of Federal Regulations

EPA = U.S. Environmental Protection Agency

mg/kg = milligrams per kilogram

PCBs = polychlorinated biphenyls

TABLE 3

PHASE II BULK AND WIPE WALL SAMPLING RESULTS^{1,2}

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample ID	Description of Sample Location	High-Occupancy Criterion ³	Low-Occupancy Criterion ³	Sample Date	Units	Total PCBs	Aroclor 1016	Aroclor 121	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
Bulk Samples													
KM09-6-67	Building 6, second floor, wall, pulverized concrete	1.0 mg/kg	25 mg/kg	9/17/2009	mg/kg	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-68		1.0 mg/kg	25 mg/kg	9/17/2009	mg/kg	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-69		1.0 mg/kg	25 mg/kg	9/17/2009	mg/kg	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-70		1.0 mg/kg	25 mg/kg	9/17/2009	mg/kg	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-71		1.0 mg/kg	25 mg/kg	9/17/2009	mg/kg	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-72		1.0 mg/kg	25 mg/kg	9/17/2009	mg/kg	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-73	Building 6, ground floor, wall, pulverized concrete	1.0 mg/kg	25 mg/kg	9/17/2009	mg/kg	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-74		1.0 mg/kg	25 mg/kg	9/17/2009	mg/kg	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-75		1.0 mg/kg	25 mg/kg	9/17/2009	mg/kg	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-76		1.0 mg/kg	25 mg/kg	9/17/2009	mg/kg	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-77		1.0 mg/kg	25 mg/kg	9/17/2009	mg/kg	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-78		1.0 mg/kg	25 mg/kg	9/17/2009	mg/kg	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-7-45	Building 7, ground floor, wall, pulverized concrete	1.0 mg/kg	25 mg/kg	9/17/2009	mg/kg	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-7-48	Building 7, ground floor, wall, wood shavings	1.0 mg/kg	25 mg/kg	9/17/2009	mg/kg	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-8-80	Building 8, ground floor, wall, pulverized concrete	1.0 mg/kg	25 mg/kg	9/17/2009	mg/kg	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-8-81	Building 8, ground floor, wall, wood shavings	1.0 mg/kg	25 mg/kg	9/17/2009	mg/kg	4.9	<0.50	<0.50	<0.50	0.60	<0.50	4.3	<0.50
KM09-8-82		1.0 mg/kg	25 mg/kg	9/17/2009	mg/kg	2.1	<0.50	<0.50	<0.50	<0.50	<0.50	2.1	<0.50
KM09-8-83		1.0 mg/kg	25 mg/kg	9/17/2009	mg/kg	1.7	<0.50	<0.50	<0.50	<0.50	<0.50	1.7	<0.50
KM09-8-84		1.0 mg/kg	25 mg/kg	9/17/2009	mg/kg	0.69	<0.50	<0.50	<0.50	<0.50	<0.50	0.69	<0.50
KM09-8-85		1.0 mg/kg	25 mg/kg	9/17/2009	mg/kg	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Wipe Samples													
KM09-7-46	Building 7, ground floor, steel support pillar	10 µg/100 cm ²		9/17/2009	µg/100 cm ²	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
KM09-7-47	Building 7, ground floor, steel support pillar	10 µg/100 cm ²		9/17/2009	µg/100 cm ²	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
KM09-7-49	Building 7, ground floor, steel support pillar	10 µg/100 cm ²		9/17/2009	µg/100 cm ²	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0

Notes

- All samples were collected on September 17-18, 2009, and analyzed for PCBs by EPA Method 8082 at OnSite Environmental Inc., in Redmond, Washington.
- Concentrations greater than high-occupancy screening criterion are shown in **bold**.
- For primary samples, PCB cleanup levels for bulk waste and nonporous surfaces for low-occupancy and high-occupancy areas are established in the Toxic Substances Control Act (40 CFR Part 761.61).

Abbreviations

< = compound not detected at or above laboratory reporting limit shown
 CFR = Code of Federal Regulations
 EPA = U.S. Environmental Protection Agency
 µg/100 cm² = micrograms per 100 cubic centimeters
 mg/kg = milligrams per kilogram
 PCBs = polychlorinated biphenyls

TABLE 4

PHASE IV COMPOSITE BULK FLOOR SAMPLING RESULTS^{1,2}
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample ID	Primary Samples Included and Analyzed Individually	Description of Sample Location	Number of Locations in Composite Sample	High Occupancy Screening Criterion ³	Low Occupancy Screening Criterion ⁴	Sample Date	Units	Total PCBs	Aroclor 1016	Aroclor 121	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
KM09-6J-COMP	KM09-6-87 through KM09-6-92	Building 6, ground floor, pulverized concrete	6	0.24 mg/kg	5.9 mg/kg	10/30/2009	mg/kg	2.18	<0.20	<0.20	<0.20	<0.20	<0.20	0.88	1.3
KM09-6K-COMP	KM09-6-81 through KM09-6-86		6	0.24 mg/kg	5.9 mg/kg	10/30/2009	mg/kg	1.09	<0.20	<0.20	<0.20	<0.20	<0.20	0.23	0.86
KM09-6L-COMP	KM09-6-73 through KM09-6-76	Building 6, second floor, pulverized concrete	4	0.36 mg/kg	8.85 mg/kg	10/27/2009	mg/kg	0.50	<0.20	<0.20	<0.20	<0.20	<0.20	0.27	0.23
KM09-6M-COMP	KM09-6-77 through KM09-6-80		4	0.36 mg/kg	8.85 mg/kg	10/27/2009	mg/kg	3.26	<0.20	<0.20	<0.20	0.26	<0.20	1.6	1.4
KM09-7F-COMP	NA ⁵	Building 7, ground floor, pulverized concrete	4	0.36 mg/kg	8.85 mg/kg	10/27/2009	mg/kg	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

- Notes
1. All samples were collected on October 27 and 30, 2009, and analyzed for PCBs by EPA Method 8082 at OnSite Environmental, Inc., in Redmond, Washington.
 2. Concentrations greater than high-occupancy screening criterion are shown in **bold**.
 3. High-occupancy cleanup levels were established as screening criteria for composite samples. The screening criteria were calculated using the method described by the EPA (1985). High-occupancy screening criteria were calculated by $(0.8) \cdot (1 \text{ mg/kg}) + (2.576) \cdot (0.3) \cdot (0.8) \cdot (1.0) = 1.42 \text{ mg/kg/ number of subsamples in composite}$.
 4. Low-occupancy cleanup levels were established as screening criteria for composite samples. The screening criteria were calculated using the method described by the EPA (1985). Low-occupancy screening criteria were calculated by $(0.8) \cdot (25 \text{ mg/kg}) + (2.576) \cdot (0.3) \cdot (0.8) \cdot (1.0) = 35.4 \text{ mg/kg/ number of subsamples in composite}$.
 5. Not applicable. Primary samples not analyzed, since PCBs were not detected in composite sample.

Abbreviations

< = compound not detected at or above laboratory reporting limit shown

EPA = U.S. Environmental Protection Agency

mg/kg = milligrams per kilogram

PCBs = polychlorinated biphenyls

TABLE 5

PHASE IV PRIMARY BULK FLOOR SAMPLING RESULTS^{1,2}

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Results reported in milligrams per kilogram (mg/kg)

Results Reported in Nanograms per Kilogram (ng/kg)										
Sample ID	Sample Source	Sample Date	Total PCBs	Aroclor 1016	Aroclor 121	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
KM09-6-73	KM09-6L-COMP	10/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-74		10/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-75		10/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-76		10/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-77	KM09-6M-COMP	10/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-78		10/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-79		10/27/09	1.89	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	0.79
KM09-6-80		10/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-81	KM09-6K-COMP	10/30/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-82/ KM09-6-DUP ³		10/30/09	<0.50/ <0.50	<0.50/ <0.50	<0.50/ <0.50	<0.50/ <0.50	<0.50/ <0.50	<0.50/ <0.50	<0.50/ <0.50	<0.50/ <0.50
KM09-6-83		10/30/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-84		10/30/09	4.2	<0.50	<0.50	<0.50	<0.50	<0.50	1.6	2.60
KM09-6-85		10/30/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-86		10/30/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-87	KM09-6J-COMP	10/30/09	0.58	<0.50	<0.50	<0.50	<0.50	<0.50	0.58	<0.50
KM09-6-88		10/30/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-89		10/30/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-90		10/30/09	2.8	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	2.8
KM09-6-91		10/30/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-92		10/30/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-7-49	KM09-7F-COMP	10/27/09	Not Analyzed							
KM09-7-50		10/27/09								
KM09-7-51		10/27/09								
KM09-7-52		10/27/09								
High-Occupancy Screening Criterion ⁴			1	--	--	--	--	--	--	--
Low-Occupancy Screening Criterion ⁴			25	--	--	--	--	--	--	--

Notes

1. All samples were collected on October 27 and 30, 2009, and analyzed for PCBs by EPA Method 8082 at OnSite Environmental, Inc., in Redmond, Washington.
2. Concentrations greater than high-occupancy screening criterion are shown in **bold**.
3. Duplicate concrete dust sample indicated as value after the "/".
4. For primary samples, PCB cleanup levels for low-occupancy and high-occupancy areas are established in the Toxic Substances Control Act (40 CFR Part 761.61).

Abbreviations

< = compound not detected at or above laboratory reporting limit shown
CFR = Code of Federal Regulations
EPA = U.S. Environmental Protection Agency
mg/kg = milligrams per kilogram
PCBs = polychlorinated biphenyls

TABLE 6

QUALITY ASSURANCE AND QUALITY CONTROL SAMPLING RESULTS¹

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample ID	Source Composite Sample	Sample Date	Units	Total PCBs	Aroclor 1016	Aroclor 121	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
EB-01-082609	Deionized water poured over sampling utensils and drill bit	8/26/2009	µg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
EB-02-082709	Deionized water poured over sampling utensils and drill bit	8/27/2009	µg/L	<0.099	<0.099	<0.099	<0.099	<0.099	<0.099	<0.099	<0.099
EB-03-082809	Deionized water poured over sampling utensils and drill bit	8/28/2009	µg/L	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090
EB-04-083109	Deionized water poured over sampling utensils and drill bit	8/31/2009	µg/L	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
EB-05-091709	Deionized water poured over sampling utensils and drill bit	9/17/2009	µg/L	<0.051	<0.051	<0.051	<0.051	<0.051	<0.051	<0.051	<0.051
EB-06-102709	Deionized water poured over sampling utensils and drill bit	10/27/2009	µg/L	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049

Notes

1. All equipment blank samples were collected on August 26-31, September 17-18, and October 27, 2009, and analyzed for PCBs by EPA Method 8082 at OnSite Environmental Inc., in Redmond, Washington. Laboratory-provided deionized water was used for each sample collected.

Abbreviations

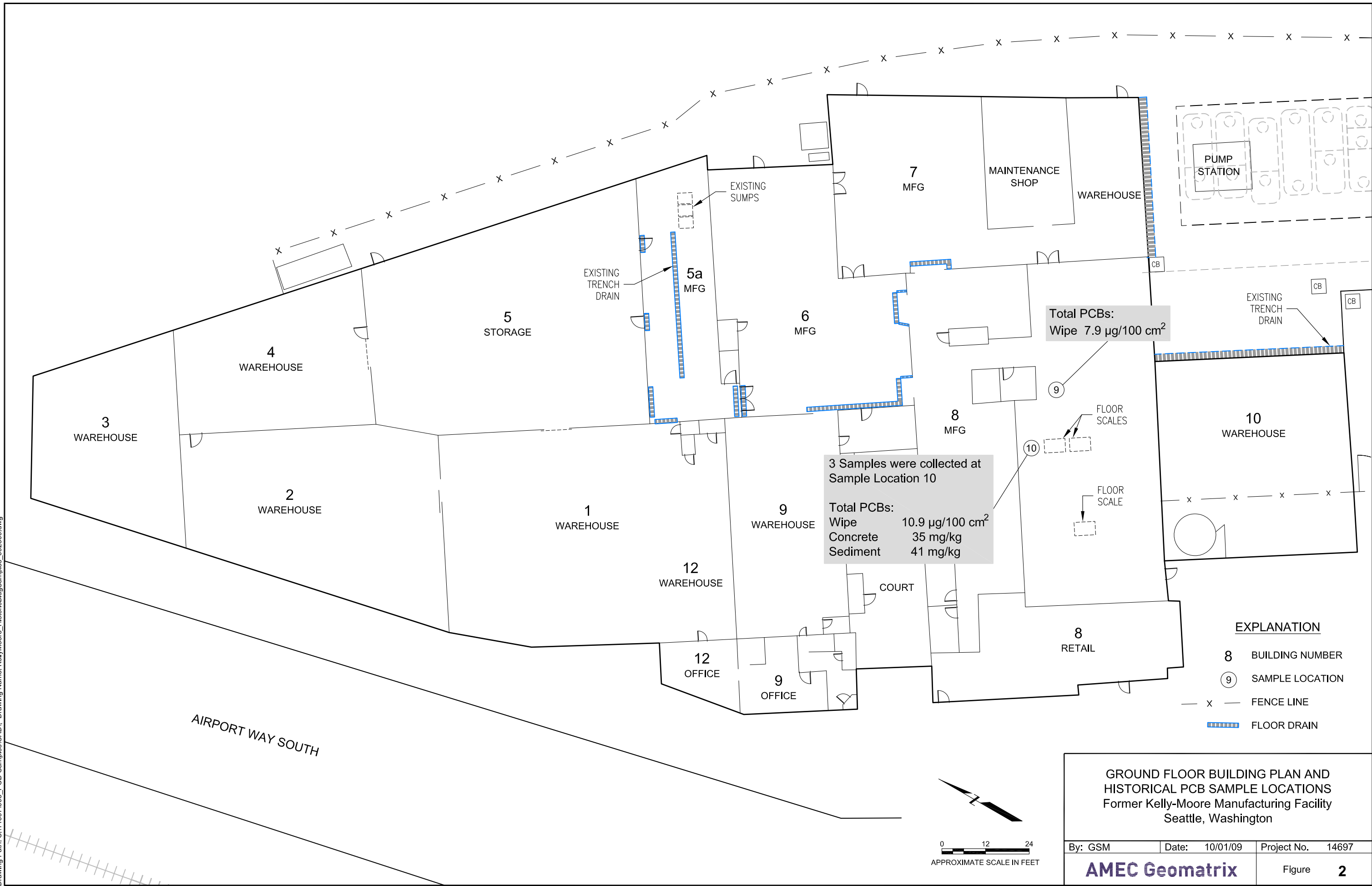
< = compound not detected at or above laboratory reporting limit shown

EPA = U.S. Environmental Protection Agency

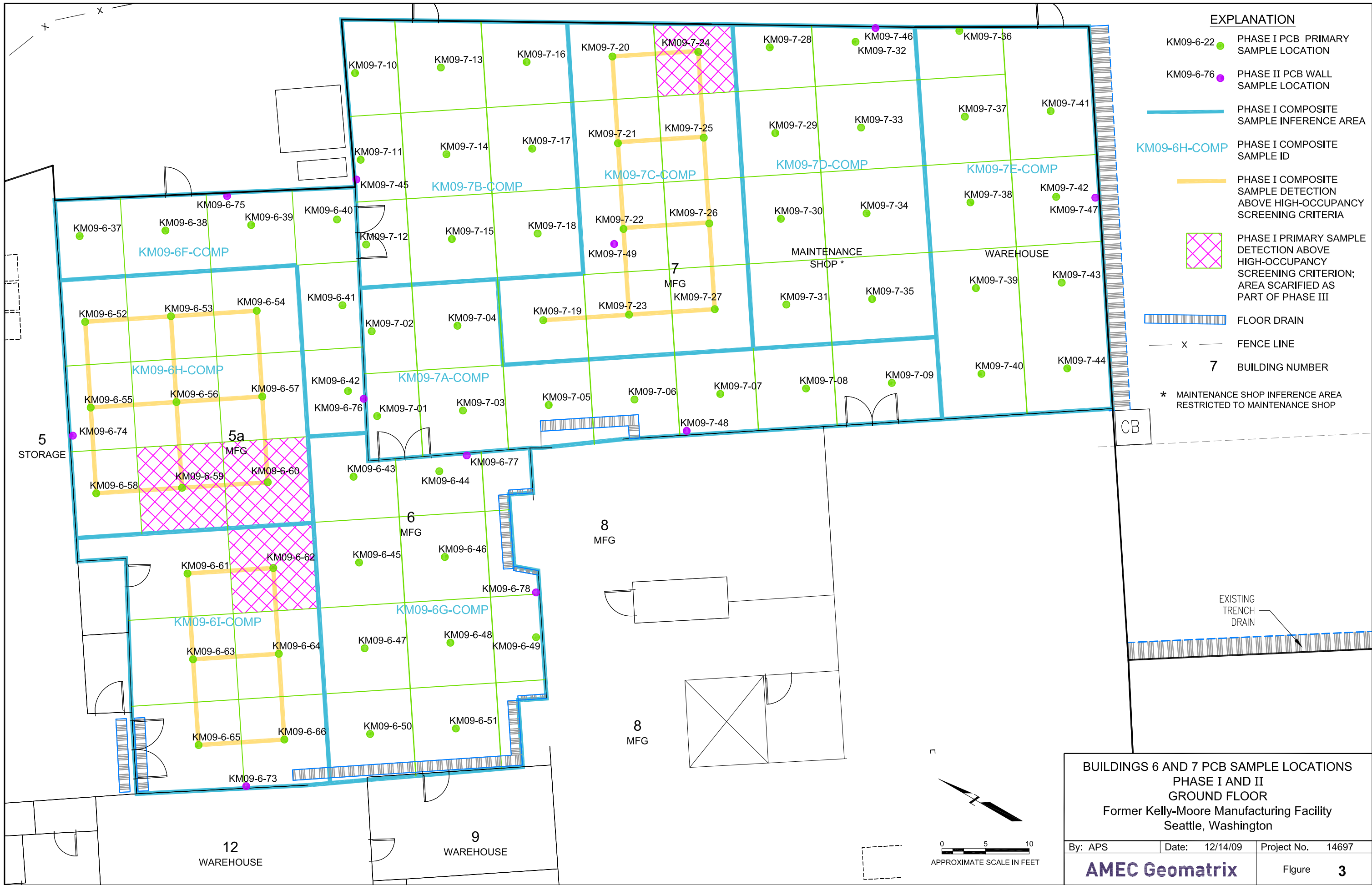
µg/L = micrograms per liter

PCBs = polychlorinated biphenyls

Plot Date: 10/01/09 - 2:35pm, Plotted by: adam.stenberg
Drawing Path: S:\14697\003_PCB-Samples\CAD\, Drawing Name: KellyMoore_HistoricBldgSamples_092309.dwg

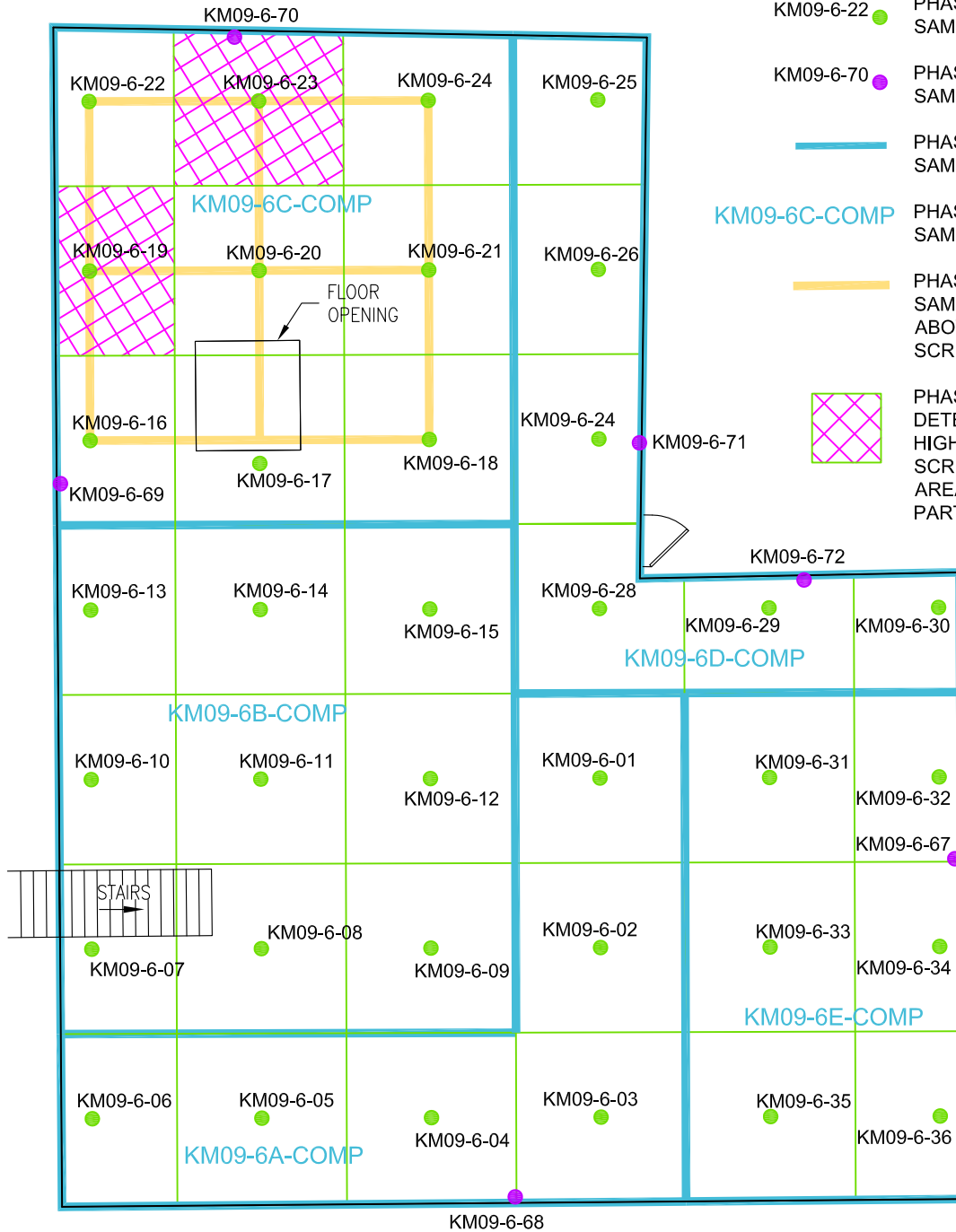


Plot Date: 12/14/09 - 3:56pm, Plotted by: adam.stenberg
Drawing Path: S:\14697\003_PCB-Samples\CAD, Drawing Name: KellyMoore_BldgSamples_120109.dwg



EXPLANATION

- KM09-6-22 ● PHASE I PCB PRIMARY SAMPLE LOCATION
- KM09-6-70 ● PHASE II PCB WALL SAMPLE LOCATION
- PHASE I COMPOSITE SAMPLE INFERENCE AREA
- KM09-6C-COMP PHASE I COMPOSITE SAMPLE ID
- PHASE I COMPOSITE SAMPLE DETECTION ABOVE HIGH-OCCUPANCY SCREENING CRITERIA
- ▨ PHASE I PRIMARY SAMPLE DETECTION ABOVE HIGH-OCCUPANCY SCREENING CRITERION; AREA SCARIFIED AS PART OF PHASE III

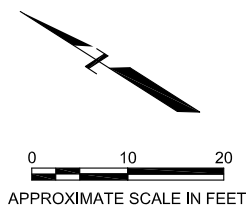
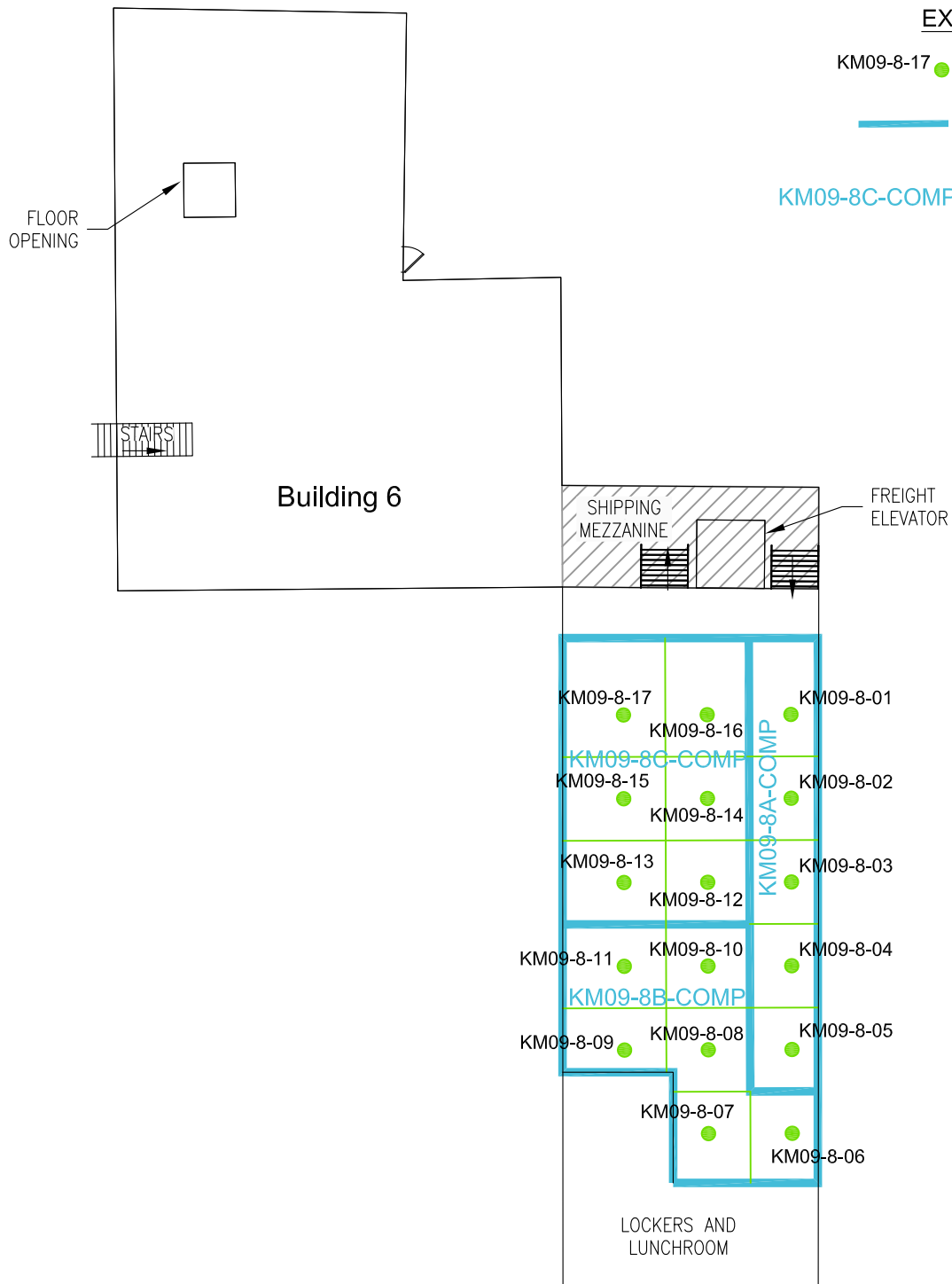


BUILDING 6 PCB SAMPLE LOCATIONS PHASE I AND II SECOND FLOOR Former Kelly-Moore Manufacturing Facility Seattle, Washington

By: APS Date: 12/14/09 Project No. 14697

AMEC Geomatrix

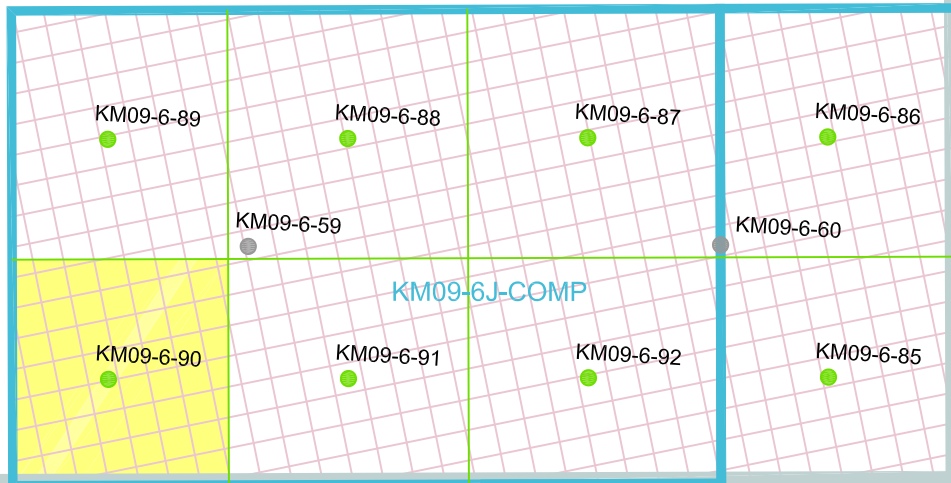
Figure **4**



**BUILDING 8 PCB SAMPLE LOCATIONS
PHASE I AND II
SECOND FLOOR
Former Kelly-Moore Manufacturing Facility
Seattle, Washington**

By: APS	Date: 12/14/09	Project No. 14697
AMEC Geomatrix		Figure 6

KM09-6H-COMP




KM09-6I-COMP


EXPLANATION

- KM09-6-59 ● PHASE I PCB PRIMARY SAMPLE LOCATION
- KM09-6-81 ● PHASE IV PCB PRIMARY SAMPLE LOCATION

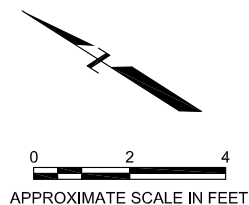
— PHASE IV COMPOSITE SAMPLE
INFERENCE AREA (AREA SCARIFIED)

KM09-6J-COMP PHASE IV COMPOSITE SAMPLE ID

 PHASE IV COMPOSITE SAMPLE DETECTION
ABOVE HIGH-OCCUPANCY
SCREENING CRITERIA

 PHASE IV PRIMARY SAMPLE DETECTION
ABOVE HIGH-OCCUPANCY
SCREENING CRITERION

NOTE:
AREA OF INFERENCE FOR COMPOSITE SAMPLES SCARIFIED OCTOBER 2009.



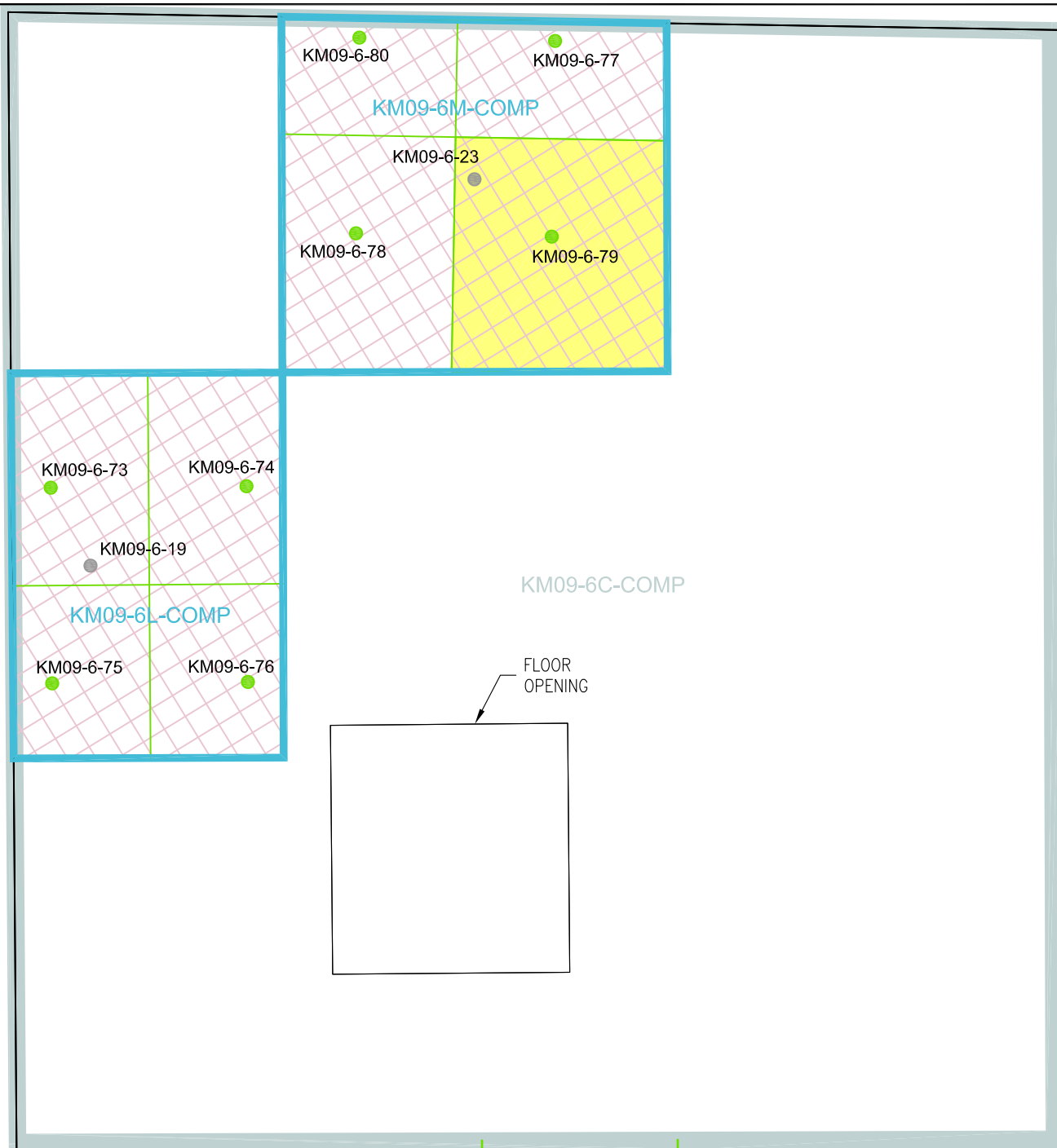
**BUILDING 6 PCB SAMPLE LOCATIONS
PHASE III AND IV
GROUND FLOOR
Former Kelly-Moore Manufacturing Facility
Seattle, Washington**

By: APS Date: 12/14/09 Project No. 14697

AMEC Geomatrix

Figure **7**

Plot Date: 12/14/09 - 3:59pm, Plotted by: adam.stenberg
Drawing Path: S:\14697\003_PCB-Samples\CAD\ Drawing Name: KellyMoore_BldgSamples-3rdPhase_120209.dwg




EXPLANATION

- KM09-6-19 ● PHASE I PCB PRIMARY SAMPLE LOCATION
- KM09-6-73 ● PHASE IV PCB PRIMARY SAMPLE LOCATION

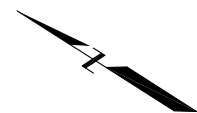
— PHASE IV COMPOSITE SAMPLE INFERENCE AREA (AREA SCARIFIED)

KM09-6M-COMP PHASE IV COMPOSITE SAMPLE ID

 PHASE IV COMPOSITE SAMPLE DETECTION ABOVE HIGH-OCCUPANCY SCREENING CRITERIA

 PHASE IV PRIMARY SAMPLE DETECTION ABOVE HIGH-OCCUPANCY SCREENING CRITERION

NOTE:
AREA OF INFERENCE FOR COMPOSITE SAMPLES SCARIFIED OCTOBER 2009.



0 2 4
APPROXIMATE SCALE IN FEET

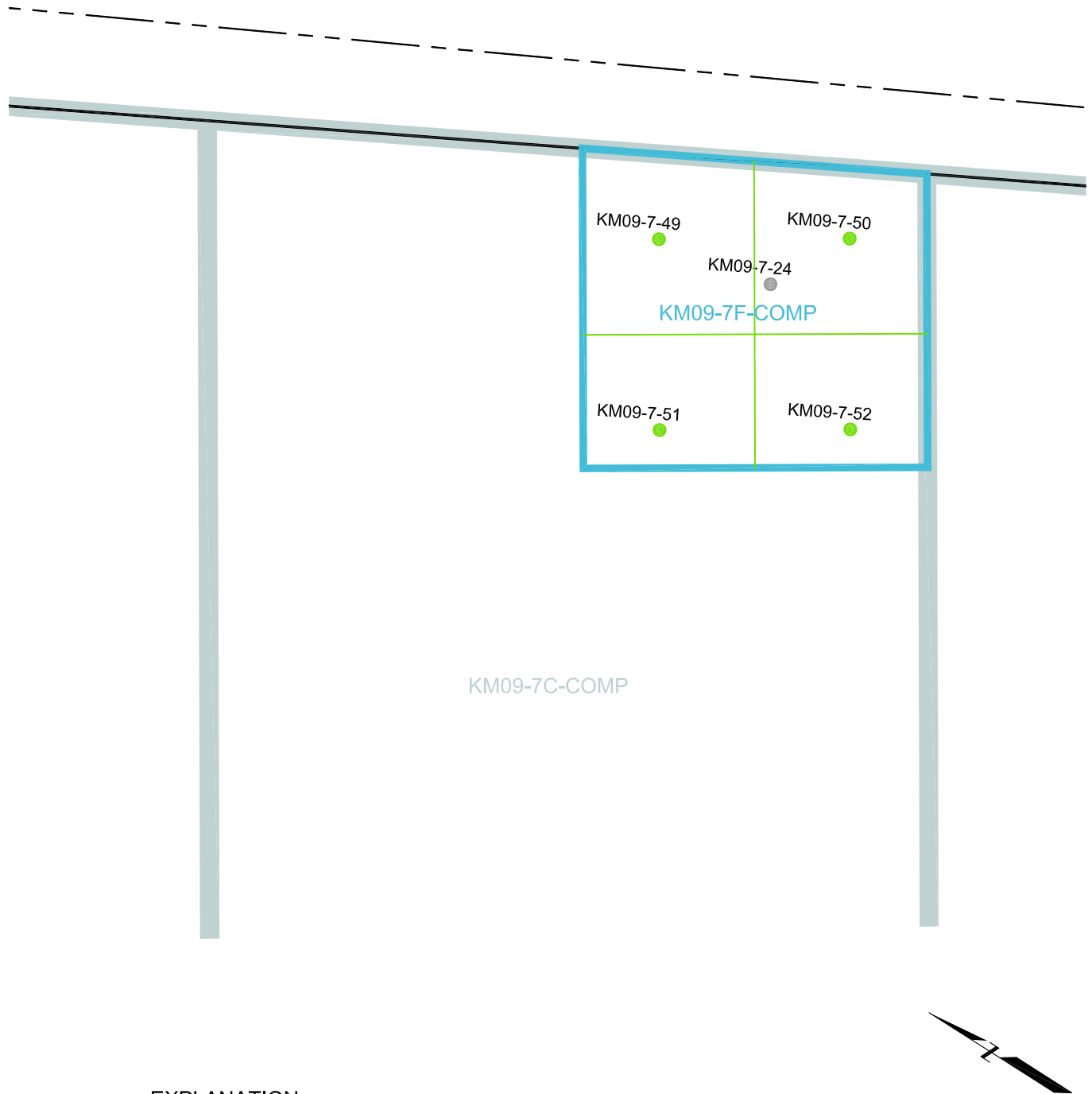
**BUILDING 6 PCB SAMPLE LOCATIONS
PHASE III AND IV
SECOND FLOOR
Former Kelly-Moore Manufacturing Facility
Seattle, Washington**

By: APS	Date: 12/14/09	Project No. 14697
---------	----------------	-------------------

AMEC Geomatrix

Figure **8**

Plot Date: 12/14/09 - 4:00pm, Plotted by: adam.stenberg
Drawing Path: S:\14697\003_PCB-Samples\CAD\ Drawing Name: KellyMoore_BldgSamples-3rdPhase_120209.dwg



EXPLANATION

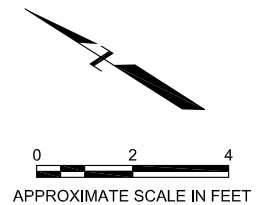
- KM09-6-59 ● PHASE I PCB PRIMARY SAMPLE LOCATION
KM09-6-81 ● PHASE IV PCB PRIMARY SAMPLE LOCATION

— PHASE IV COMPOSITE SAMPLE
INFERENCE AREA (AREA SCARIFIED)

KM09-7F-COMP PHASE IV COMPOSITE SAMPLE ID

NOTES:

1. AREA OF INFERENCE FOR COMPOSITE SAMPLES SCARIFIED OCTOBER 2009.
2. PRIMARY SAMPLES NOT ANALYZED, SINCE PCBs WERE NOT DETECTED IN COMPOSITE SAMPLE.



**BUILDING 7 PCB SAMPLE LOCATIONS
PHASE III AND IV
GROUND FLOOR
Former Kelly-Moore Manufacturing Facility
Seattle, Washington**

By: APS	Date: 12/14/09	Project No. 14697
---------	----------------	-------------------

AMEC Geomatrix

Figure **9**



TABLE 1

FORMER BUILDING 8 SCALE PIT SOIL STOCKPILE RESULTS¹
5410 Airport Way South
Seattle, Washington

all units in milligrams per kilogram (mg/kg)

Sample ID	Sample Date	Primary Samples Included and Analyzed Individually	Description of Sample Location	Number of Locations in Composite Sample	Aroclors ²							Total PCBs ³	RCRA 8 Metals ³							
					1016	1221	1232	1242	1248	1254	1260		Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
KM-15-B08-stk-comp-1	3/9/2015	stk-10 through stk-16	soil from near scale pits	7	0.057 U	0.057 U	0.057 U	0.057 U	0.057 U	0.057 U	0.40	0.40	0.40 U	0.20	0.02 U	0.02 U	0.2 U	0.005 U	0.4 U	0.04 U
KM-15-B08-stk-comp-2	3/9/2015	stk-6 through -9 + stk-17 through stk-19	soil from near scale pits	7	0.061 U	0.061 U	0.061 U	0.061 U	0.061 U	0.061 U	0.40	0.40	0.4 U	0.2 U	0.02 U	0.02 U	0.2 U	0.005 U	0.4 U	0.04 U
KM-15-B08-stk-comp-3	3/9/2015	stk-1, though stk-5	scale pits, associated debris, and soil	5	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	12	12	0.4 U	0.2 U	0.02 U	0.02 U	0.2 U	0.005 U	0.4 U	0.04 U

Notes

- 1. Data qualifiers are as follows:
U = analyte not detected at or above laboratory reporting limit shown.
- 2. Samples were analyzed for PCBs by EPA Method 8082 at OnSite Environmental, Inc., in Redmond, Washington.
- 3. Samples were analyzed using TCLP.

Abbreviations

EPA = U.S. Environmental Protection Agency
mg/kg = milligrams per kilogram
PCBs = polychlorinated biphenyls
RCRA = Resource Conservation and Recovery Act
TCLP = toxicity characteristic leaching procedure



TABLE 2

CONFIRMATION SAMPLE RESULTS ¹
FORMER BUILDING 8 - FINAL EXCAVATION EXTENT
 5410 Airport Way South
 Seattle, Washington

all units in milligrams per kilogram (mg/kg)

Sample ID	Number of Sample Locations	High Occupancy Screening Criterion ²	Sample Date	Total PCBs ³	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
KM-15-B08-Comp-5	6	0.24 mg/kg	2/26/2015	0.18	0.068 U	0.068 U	0.068 U	0.068 U	0.068 U	0.068 U	0.18
KM-15-B08-Comp-6	6	0.24 mg/kg	2/26/2015	0.19	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.19
KM-15-B08-Comp-10	6	0.24 mg/kg	2/26/2015	0.23	0.066 U	0.066 U	0.066 U	0.066 U	0.066 U	0.066 U	0.23
KM-15-B08-Comp-12	5	0.28 mg/kg	2/26/2015	0.24	0.066 U	0.066 U	0.066 U	0.066 U	0.066 U	0.066 U	0.24
KM-15-B08-Comp-14	4	0.36 mg/kg	2/26/2015	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U
KM-15-B08-Comp-23	4	0.36 mg/kg	2/26/2015	0.14	0.056 U	0.056 U	0.056 U	0.056 U	0.056 U	0.056 U	0.14
KM-15-B08-Comp-24	4	0.36 mg/kg	2/26/2015	0.24	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.24
KM-15-B08-Comp-25	3	0.47 mg/kg	3/9/2015	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U
KM-15-B08-Comp-26	3	0.47 mg/kg	3/9/2015	0.073 U	0.073 U	0.073 U	0.073 U	0.073 U	0.073 U	0.073 U	0.073 U
KM-15-B08-Comp-27	4	0.36 mg/kg	3/9/2015	0.33	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.33
KM-15-B08-Comp-28	4	0.36 mg/kg	3/9/2015	0.11	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.11
KM15-B08-Comp-30B	4	0.36 mg/kg	3/13/2015	0.19	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.19
KM-15-B08-Comp-33	4	0.36 mg/kg	3/6/2015	0.17	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.17
KM15-B08-Comp 34B	2	0.72 mg/kg	3/13/2015	0.16	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	0.16
KM-15-B08-Comp-35	4	0.36 mg/kg	3/6/2015	0.16	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.16
KM15-B08-Comp 36B	3	0.47 mg/kg	3/13/2015	0.22	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.22
KM-15-B08-Comp-37	3	0.47 mg/kg	3/6/2015	0.10	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.1
KM-15-B08-Comp-38	3	0.47 mg/kg	3/9/2015	0.14	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U	0.14
KM15-B08-Comp 40B	3	0.47 mg/kg	3/13/2015	0.31	0.057 U	0.057 U	0.057 U	0.057 U	0.057 U	0.057 U	0.31
KM15-B08-Comp 41B	3	0.47 mg/kg	3/13/2015	0.058 U	0.058 U	0.058 U	0.058 U	0.058 U	0.058 U	0.058 U	0.058 U
KM15-B08-Comp 44B	4	0.36 mg/kg	3/13/2015	0.20	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.20
KM-15-B08-Comp-45	4	0.36 mg/kg	3/9/2015	0.12	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.12
KM-15-B08-Comp-46	4	0.36 mg/kg	3/9/2015	0.17	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.17
KM-15-B08-Comp-47	4	0.36 mg/kg	3/9/2015	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U
KM-15-B08-Comp-48	4	0.36 mg/kg	3/9/2015	0.065	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065
KM-15-B08-Comp-49	3	0.47 mg/kg	3/9/2015	0.077	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	0.077
KM-15-B08-Comp-50	3	0.47 mg/kg	3/9/2015	0.072 U	0.072 U	0.072 U	0.072 U	0.072 U	0.072 U	0.072 U	0.072 U
KM-15-B08-Comp-51	4	0.36 mg/kg	3/9/2015	0.34	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.34
KM-15-B08-Comp-52	3	0.47 mg/kg	3/9/2015	0.14	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.14
KM-15-B08-Comp-53	3	0.47 mg/kg	3/9/2015	0.1	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.1
KM15-B08-3C	1	1 mg/kg	3/13/2015	0.31	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.14	0.17
KM15-B08-4D	1	1 mg/kg	3/25/2015	0.43	0.066 U	0.066 U	0.066 U	0.066 U	0.066 U	0.23	0.2
KM15-B08-DUP 1	Field duplicate of KM15-B08-4D	1 mg/kg	3/25/2015	0.204	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.11	0.094
KM15-B08-5C	1	1 mg/kg	3/13/2015	0.7	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.43	0.27
KM15-B08-6D	1	1 mg/kg	3/25/2015	0.56	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.31	0.25
KM15-B08-10C	1	1 mg/kg	3/13/2015	0.44	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.18	0.26
KM15-B08-11C	1	1 mg/kg	3/13/2015	0.70	0.066 U	0.066 U	0.066 U	0.066 U	0.066 U	0.38	0.32
KM15-B08-12C	1	1 mg/kg	3/13/2015	0.51	0.057 U	0.057 U	0.057 U	0.057 U	0.057 U	0.24	0.27
KM15-B08-13C	1	1 mg/kg	3/13/2015	0.19	0.068 U	0.068 U	0.068 U	0.068 U	0.068 U	0.082	0.11
KM-15-B08-31B	1	1 mg/kg	3/9/2015	0.20	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.2
KM15-B08-38D	1	1 mg/kg	3/25/2015	0.091	0.063	0.063	0.063	0.063	0.063	0.063	0.091
KM15-B08-46D	1	1 mg/kg	3/25/2015	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U
KM15-B08-47D	1	1 mg/kg	3/25/2015	0.063 U	0.063 U	0.063 U	0.063 U	0.063 U	0.063 U	0.063 U	0.063 U
KM15-B08-48D	1	1 mg/kg	3/25/2015	0.11	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U	0.11



TABLE 2
CONFIRMATION SAMPLE RESULTS ¹
FORMER BUILDING 8 - FINAL EXCAVATION EXTENT
5410 Airport Way South
Seattle, Washington

all units in milligrams per kilogram (mg/kg)

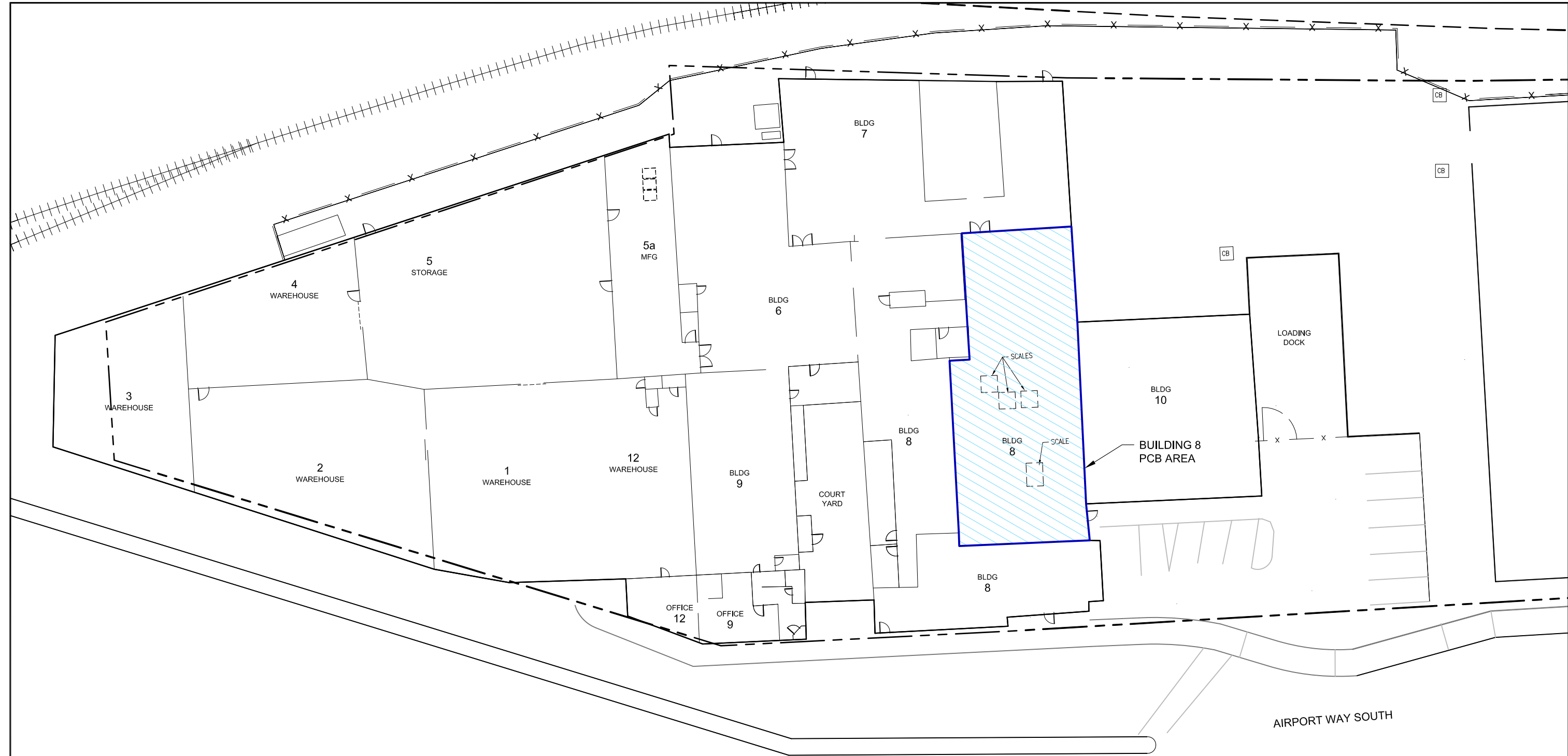
Sample ID	Number of Sample Locations	High Occupancy Screening Criterion ²	Sample Date	Total PCBs ³	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
KM15-B08-53D	1	1 mg/kg	3/25/2015	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U
KM15-B08-54D	1	1 mg/kg	3/25/2015	0.063 U	0.063 U	0.063 U	0.063 U	0.063 U	0.063 U	0.063 U	0.063 U
KM15-B08-55B	1	1 mg/kg	3/13/2015	0.083	0.058 U	0.058 U	0.058 U	0.058 U	0.058 U	0.058 U	0.083
KM15-B08-57C	1	1 mg/kg	3/13/2015	0.86	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.28	0.58
KM15-B08-58C	1	1 mg/kg	3/13/2015	0.088	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.088
KM15-B08-59C	1	1 mg/kg	3/13/2015	0.99	0.058 U	0.058 U	0.058 U	0.058 U	0.058 U	0.31	0.68
KM15-B08-60D	1	1 mg/kg	3/25/2015	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U
KM15-B08-61C	1	1 mg/kg	3/13/2015	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U
KM15-B08-77D	1	1 mg/kg	3/25/2015	0.22	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.22
KM15-B08-78C	1	1 mg/kg	3/13/2015	0.24	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.24
KM15-B08-79C	1	1 mg/kg	3/13/2015	0.47	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.47
KM15-B08-85C	1	1 mg/kg	3/13/2015	0.34	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.34
KM15-B08-86C	1	1 mg/kg	3/13/2015	0.23	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.23
KM15-B08-87C	1	1 mg/kg	3/13/2015	0.25	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.25
KM15-B08-91D	1	1 mg/kg	3/25/2015	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U
KM15-B08-95C	1	1 mg/kg	3/13/2015	0.15	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.15
KM15-B08-103C	1	1 mg/kg	3/13/2015	0.41	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.41
KM15-B08-148B	1	1 mg/kg	3/13/2015	0.37	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	0.37
KM15-B08-149B	1	1 mg/kg	3/13/2015	0.49	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.49
KM15-B08-150B	1	1 mg/kg	3/13/2015	0.44	0.061 U	0.061 U	0.061 U	0.061 U	0.061 U	0.061 U	0.44
KM15-B08-151B	1	1 mg/kg	3/13/2015	0.37	0.056 U	0.056 U	0.056 U	0.056 U	0.056 U	0.056 U	0.37

Notes

1. Data qualifiers are as follows:
U = analyte not detected at or above laboratory reporting limit shown.
2. High-occupancy cleanup levels were established as screening criteria for composite samples. The high-occupancy screening criteria were calculated using the method described by the EPA (1985) as:
 $(0.8) \cdot (1 \text{ mg/kg}) + (2.576) \cdot (0.3) \cdot (0.8) \cdot (1.0) = 1.42 \text{ mg/kg/number of subsamples in composite.}$
3. Samples were analyzed for PCBs by EPA Method 8082 at OnSite Environmental, Inc., in Redmond, Washington.

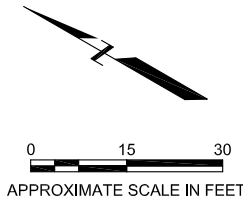
Abbreviations

EPA = U.S. Environmental Protection Agency
mg/kg = milligrams per kilogram
PCBs = polychlorinated biphenyls



EXPLANATION

- PROPERTY LINE
- x - FENCE LINE
- + + + + + RAIL LINE
- CB CATCH BASIN
- BLDG 7 BUILDING NUMBER



CLIENT	NEW CORE DEVELOPMENT		PROJECT	5410 Airport Way South Seattle, Washington		DATE	MAY 2015
						SCALE	1" = 30'
	Amec Foster Wheeler Environment & Infrastructure, Inc. 600 University Street, Suite 600 Seattle, WA 98101		TITLE	SITE PLAN		PROJECT NO.	16110
						FIGURE	2

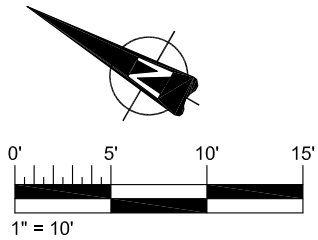



EXCAVATION DEPTH KEY

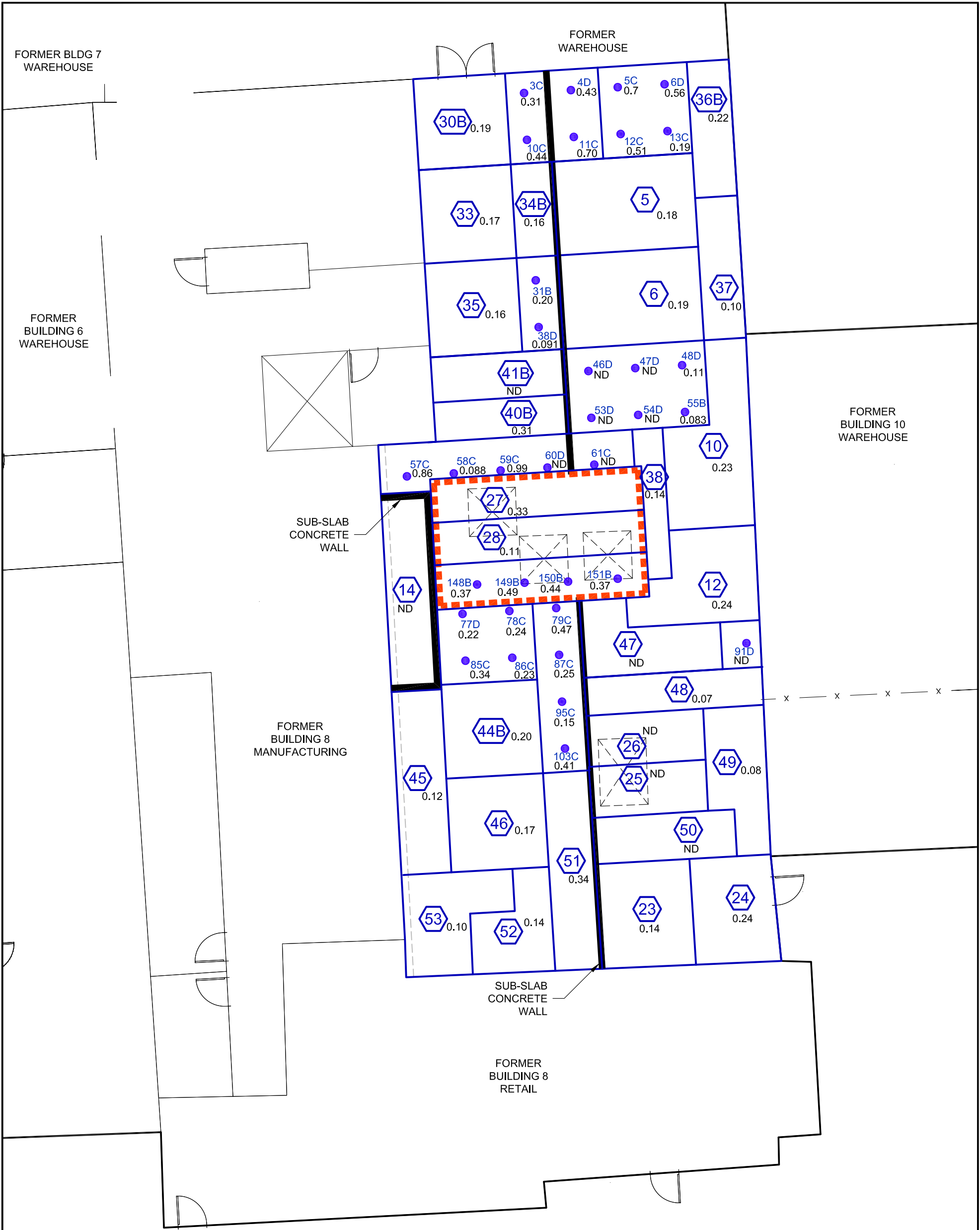
- SUB-SLAB ELEVATION
- SUB-SLAB ELEVATION -1 FT
- SUB-SLAB ELEVATION -2 FT
- SUB-SLAB ELEVATION -3 FT
- SUB-SLAB ELEVATION -4 FT
- OTHER DEPTH AS NOTED

EXPLANATION

- PCB PRIMARY SAMPLE LOCATION
- COMPOSITE SAMPLE AREA AND DESIGNATION
- FORMER FLOOR SCALE PITS



CLIENT	NEW CORE DEVELOPMENT		PROJECT	5410 Airport Way South Seattle, Washington	DATE	MAY 2015
					SCALE	1" = 10'
Amec Foster Wheeler Environment & Infrastructure, Inc. 600 University Street, Suite 600 Seattle, WA 98101			TITLE	BUILDING 8 FINAL EXCAVATION DEPTHS	PROJECT NO.	16110
					FIGURE	3



EXPLANATION

● PCB PRIMARY SAMPLE LOCATION WITH PCB CONCENTRATION IN mg/kg



COMPOSITE SAMPLE AREA AND DESIGNATION WITH PCB CONCENTRATION IN mg/kg

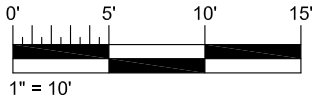
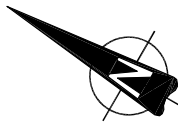
NOTE:
ND = PCBs NOT DETECTED




EXTENT OF SCALE PIT EXCAVATION



FORMER FLOOR SCALE PITS



CLIENT	NEW CORE DEVELOPMENT		PROJECT 5410 Airport Way South Seattle, Washington	DATE MAY 2015
				SCALE 1" = 10'
Amec Foster Wheeler Environment & Infrastructure, Inc. 600 University Street, Suite 600 Seattle, WA 98101			TITLE BUILDING 8 EXCAVATION FINAL PCB SAMPLE RESULTS	PROJECT NO. 16110
				FIGURE 4

APPENDIX F

Photo log of Vapor Barrier Installation

APPENDIX F

SITE PHOTOGRAPHS 5400-5580 Airport Way South Seattle, Washington



Photograph 1 Vapor Barrier Installation of the south building.



Photograph 2 Scarification of concrete in Building 6 in August 2009.

APPENDIX F

SITE PHOTOGRAPHS 5400-5580 Airport Way South Seattle, Washington



Photograph 3 Top of Tank 3 during removal (example of product tank) in 2010.



Photograph 4 Containment tank piping excavation in 2010.

APPENDIX F

SITE PHOTOGRAPHS 5400-5580 Airport Way South Seattle, Washington



Photograph 5 Concrete slab removal from Building 8 for PCB cleanup in 2015.



Photograph 6 Flags marking sampling grid after additional excavation for PCB cleanup in 2015.

APPENDIX F

SITE PHOTOGRAPHS 5400-5580 Airport Way South Seattle, Washington



Photograph 7 KM-39 excavation in March 2015.



Photograph 8 Removal of pipes from Building 7 area in March 2015.

APPENDIX F

SITE PHOTOGRAPHS 5400-5580 Airport Way South Seattle, Washington



Photograph 9 Building 8 soil removal, phase 2 in March 2015.



Photograph 10 Close-up of the underground storage tank (UST) after moving to temporary staging area in March 2015.

APPENDIX F

SITE PHOTOGRAPHS 5400-5580 Airport Way South Seattle, Washington



Photograph 11 Oxidant mixing in piping excavation phase 1 in March 2015.



Photograph 12 UST after discovery on March 5, 2015. View is to the east.

APPENDIX F

SITE PHOTOGRAPHS 5400-5580 Airport Way South Seattle, Washington



Photograph 13 KM-03 well abandonment in June 2015.



Photograph 14 Vapor barrier installation in June 2015.

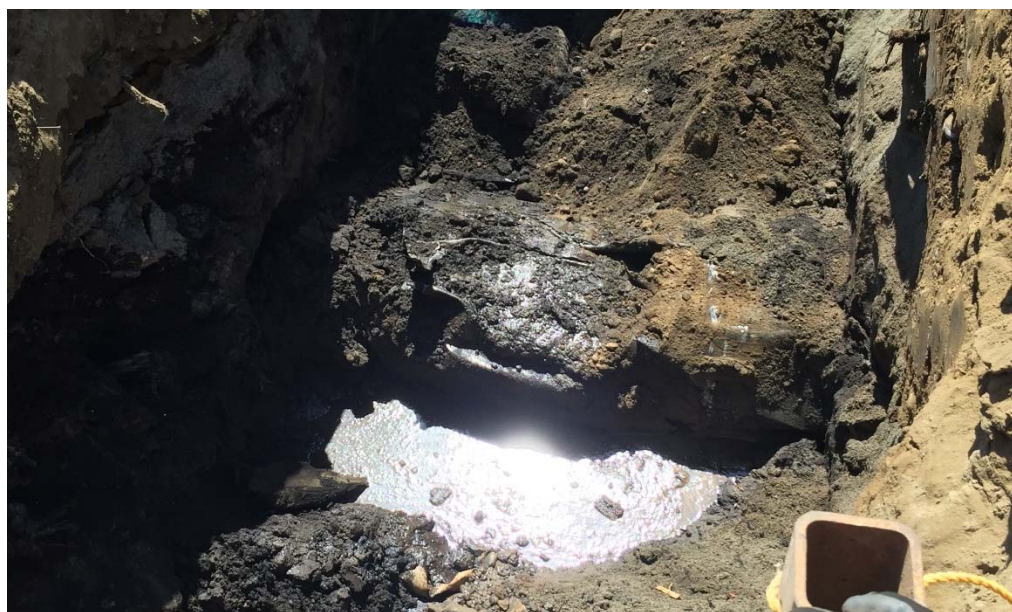


amec
foster
wheeler

APPENDIX F

SITE PHOTOGRAPHS

5400-5580 Airport Way South
Seattle, Washington



Photograph 15 Close-up of the underground storage tank (UST) after discovery in June 2015.



Photograph 16 UST being removed from trenching excavation area in June 2015.

APPENDIX F

SITE PHOTOGRAPHS 5400-5580 Airport Way South Seattle, Washington



Photograph 17 SVE piping installation in June 2015.



Photograph 18 Installation of the SVE piping in October 2015.

APPENDIX F

SITE PHOTOGRAPHS 5400-5580 Airport Way South Seattle, Washington



Photograph 19 Installation of the SVE piping in October 2015.



Photograph 20 Utility trench installation in November 2015.