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By Alameda County Environmental Health at 1:39 pm, Aug 21, 2014

August 19, 2014

Mr. Keith Nowell
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

**Subject: Transmittal of Technical Documents Requested by the Alameda County Health Care Services Agency, Department of Environmental Health on the Terminal 2 Utility Corridor Project
0 Airport Drive Oakland, California
(Site#: RO00002917 – Oakland International Airport)**

Dear Mr. Nowell:

Please find attached the above-referenced technical documents prepared by Science Applications International Corporation and the Port of Oakland providing information requested by the Alameda County Environmental Health Care Services Agency, Department of Environmental Health related to the Terminal 2 Utility Project.

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

Please feel free to contact me at the Port of Oakland at (510) 627-1184 if you have any questions.

Sincerely,

Douglas Herman
Environmental Scientist
Port of Oakland



PORT OF OAKLAND

February 4, 2008

Mr. Max Shahbazian
Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, CA 94612

**RE: 2007 Annual Report for Soil Reuse Activities at Oakland International Airport
(File No. 01S0634)**

Dear Max:

The Port of Oakland ("Port") has prepared this letter report as required by the Oakland International Airport (OIA) Final Soil Management Protocol ("SMP") dated October 2005. The Final SMP is an integral part of OIA Materials Management Program.

The Final SMP has eleven specific protocols to be followed by the Port for characterizing soil at the point of origin ("Source Site"), managing soil at storage areas at the Materials Management Site(s) ("Storage Site"), and reusing the soil for fill within OIA ("Reuse Site"). Pursuant to the SMP, only soil that meets commercial Environmental Screening Levels (and background levels for cobalt and arsenic) can be transported to the Storage Site and subsequently reused at a Reuse Site. The purpose of this letter is to comply with Protocol 7 and 11 in the SMP.

Protocol 11 requires:

By January 31st of each year, the Port will submit an annual report to the RWQCB documenting the soils removed from Source Sites to Storage Sites, and transported to Reuse Sites, as described in Protocol 7.

Protocol 7 requires:

The Port will maintain a tracking system to document the volume of soil received at and removed from the Storage Sites. A spreadsheet will be maintained by the Environment and Safety Department (E&S) and will contain the following information:

Transport of Soil from Soil Source Site to Storage Site

1. Name or identification of Soil Source Site
2. Name or identification of Storage Site
3. Date of receipt at the Storage Site
4. Type and volume of each type of material transported to the Storage Site (i.e., artificial fill, Bay Mud, and/or coarse-grained native sediments)

Transport of Soil from Storage Site to Reuse Site

1. Name or identification of Storage Site
2. Name or identification of Reuse Site
3. Date of transport to Reuse Site
4. Type and volume of each type of material transported to the Reuse Site

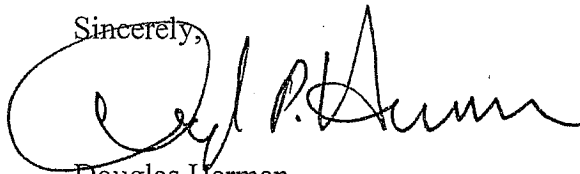
In 2007, a total of 32, 617 cubic yards of soil was generated at four Source Sites, and 1,100 cubic yards of Bay Mud was generated at one Source Site within OIA. Table 1 provides a list specifying Source Sites, Storage Site, date of transport of the materials to the Storage Site, type of material (Bay Mud or artificial fill/clean soil) transported to the Storage Site, and the estimated volumes. Figure 1 shows the location of the Source Sites and the Storage Site. No soil was transported from the Storage Site to a Reuse Site in 2007. Reports 1, 2, and 3 below were completed in 2005 and 2006 and e-mailed to you in PDF format as part of the Annual Report. Reports 1, 2, and 3 document the characterization of the soils for transport from the Source Sites to the Storage Site, and although the reports were completed in 2005 and 2006, soil was generated at these Source Sites through 2007. As agreed previously, the Port is not required to resubmit these reports to you, but they are listed below for your information. One additional report documenting characterization activities at East Apron Phase II was completed in 2007; this report is indicated in **bold** below and was provided to you in PDF format by e-mail on February 4, 2008.

1. "Soil Sampling and Soil Reuse Evaluation for Terminal 2 Concourse Extension Footprint:" dated February 25, 2005, *Baseline Environmental Consultants*.
2. "Terminal 2 Utility Corridor Soils Investigation Report, Oakland International Airport, Oakland, CA," dated May 16, 2005, *Science Applications International Corporation*.
3. "Sampling and Reporting of Sediments at the Oakland International Airport Pumphouses Nos. 2, 4 and 6 Under the Oakland International Airport Materials Management Program, Oakland International Airport, Oakland, CA," dated June 6, 2006, *Science Applications International Corporation*.
4. **"Soil Characterization and Data Evaluation to Determine the Suitability for Reuse, Stages 1 through 4 and T1 through T4 Excavation Areas, East Apron Reconstruction Project,"** dated February 22, 2007, *R& M Environmental And Infrastructure Engineering, Inc.*

Mr. Max Shahbazian
31 January, 2008
Page 3

Should you have any questions about the activities undertaken in accordance with the requirements of the Final SMP and Acceptance Letter, please do not hesitate to contact me at (510) 627-1184 or dherman@portoakland.com.

Sincerely,

A handwritten signature in black ink, appearing to read 'Douglas Herman', written over a large, stylized circular flourish.

Douglas Herman
Associate Port Environmental Scientist

Encl. Table 1, Showing Types and Quantities of Soil Transported to Storage Site
 Figure 1, Showing Soil Source Sites and Storage Site

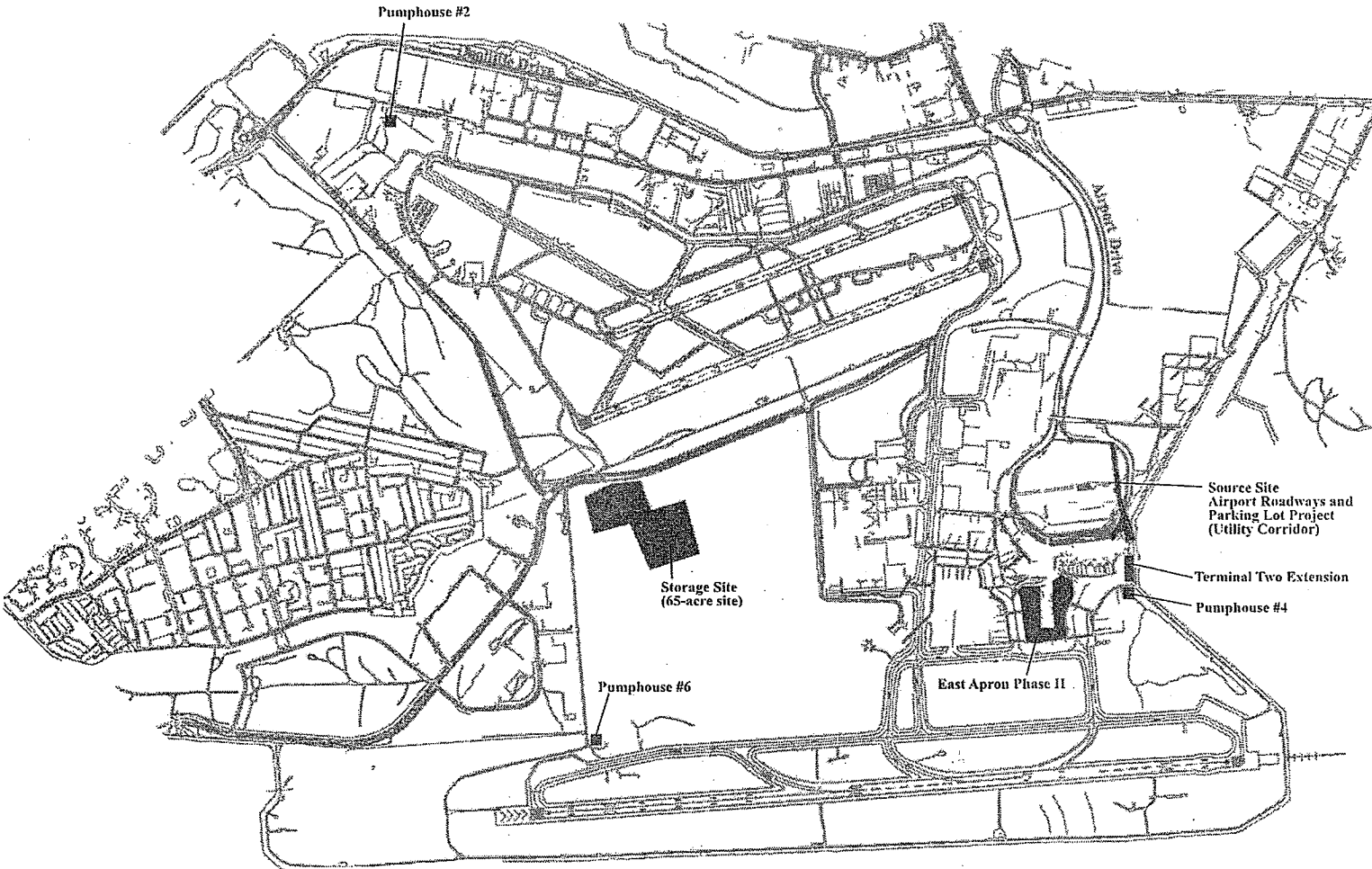
Cc w/encl: Michele Heffes, Port of Oakland
 Christine Noma
 Dale Klettke, EPP

Table 1. Transport of Soil from Source Site To Storage Site

Source Site	Storage Site	Date(s) of Transport to Storage Site	Material Type	Volume (cubic yards)
Airport Pump Houses	65 Acre Site	7/11/2007	Bay Mud	1,100
Subtotal Volume:				1,100
East Apron Phase II	65 Acre Site	4/26/2007	Artificial Fill/Clean Soil	7,123
		5/15/2007	Artificial Fill/Clean Soil	67
		5/24/2007	Artificial Fill/Clean Soil	80
		5/25/2007	Artificial Fill/Clean Soil	14
		5/29/2007	Artificial Fill/Clean Soil	19
		5/31/2007	Artificial Fill/Clean Soil	10
		8/10/2007	Artificial Fill/Clean Soil	1,290
		9/10/2007	Artificial Fill/Clean Soil	1,060
		9/13/2007	Artificial Fill/Clean Soil	860
		9/16/2007	Artificial Fill/Clean Soil	1,320
		9/20/2007	Artificial Fill/Clean Soil	1,170
		11/13/2007	Artificial Fill/Clean Soil	1,580
		11/15/2007	Artificial Fill/Clean Soil	1,620
Subtotal Volume:				16,213
Terminal Two Extension	65 Acre Site	1/31/2007	Artificial Fill/Clean Soil	110
		2/1/2007	Artificial Fill/Clean Soil	50
Subtotal Volume:				160
Airport Roadways & Parking Lot	65 Acre Site	1/31/2007	Artificial Fill/Clean Soil	672
		2/1/2007	Artificial Fill/Clean Soil	2,256
		4/17/2007	Artificial Fill/Clean Soil	240
		5/3/2007	Artificial Fill/Clean Soil	1,080
		5/4/2007	Artificial Fill/Clean Soil	1,450
		5/7/2007	Artificial Fill/Clean Soil	1,930
		5/9/2007	Artificial Fill/Clean Soil	1,470
		5/10/2007	Artificial Fill/Clean Soil	1,260
		5/11/2007	Artificial Fill/Clean Soil	820
		5/30/2007	Artificial Fill/Clean Soil	50
		5/31/2007	Artificial Fill/Clean Soil	20
		6/5/2007	Artificial Fill/Clean Soil	60
		7/3/2007	Artificial Fill/Clean Soil	102

Table 1. Transport of Soil from Source Site To Storage Site

Source Site	Storage Site	Date(s) of Transport to Storage Site	Material Type	Volume (cubic yards)
Airport Roadways & Parking Lot	65 Acre Site	7/13/2007	Artificial Fill/Clean Soil	3,508
		7/23/2007	Artificial Fill/Clean Soil	102
		7/25/2007	Artificial Fill/Clean Soil	138
		8/1/2007	Artificial Fill/Clean Soil	150
		8/2/2007	Artificial Fill/Clean Soil	168
		8/14/2007	Artificial Fill/Clean Soil	30
		8/24/2007	Artificial Fill/Clean Soil	54
		10/24/2007	Artificial Fill/Clean Soil	6
		10/26/2007	Artificial Fill/Clean Soil	30
		10/29/2007	Artificial Fill/Clean Soil	30
		11/30/2007	Artificial Fill/Clean Soil	48
		12/3/2007	Artificial Fill/Clean Soil	114
		12/5/2007	Artificial Fill/Clean Soil	132
		12/6/2007	Artificial Fill/Clean Soil	144
		12/7/2007	Artificial Fill/Clean Soil	42
		12/27/2007	Artificial Fill/Clean Soil	138
Subtotal Volume:				16,244
Grand Total Volume:				33,717



**Final Soil Management Protocol
Oakland International Airport
Oakland, California**

Y5395-01.00346.Fig1Rev2.cdr 1/31/08

