PORT OF OAKLAND

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By Alameda County Environmental Health at 1:37 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

530 Water Street ■ Jack London Square ■ P.O. Box 2064 ■ Oakland, California 94604-2064
Telephone: (510) 627-1100 ■ Facsimile: (510) 627-1826 ■ Web Page: www.portofoakland.com

PORT OF OAKLAND

January 28, 2010

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

RE: 2009 Annual Report for Soil Reuse Activities at Oakland International Airport (File No. 01S0634)

Dear Max:

On March 15, 2005, the Regional Water Quality Control Board (Regional Water Board) Accepted the Draft Soil Management Protocol ("SMP") for Oakland International Airport ("OIA"). Following the acceptance of the SMP the document was finalized and has guided the testing, stockpiling and reuse of soil at the OIA ever since. The Port of Oakland ("Port") has prepared this letter report as required by the OIA SMP. The Final SMP is an integral part of OIA Materials Management Program. The Regional Water Board is in the process of reviewing and approving a Port-Wide Soil Management Protocol ("Port-Wide SMP"). At this time no approval letter has been received by the Port of Oakland, and no soil reuse activities have occurred outside of the OIA. However, on 28 May 2009, Max Shahbazian, P.G., of the Regional Water Board, in an email to Douglas Herman of the Port, stated that the Port-Wide SMP was approvable and that the Port could proceed with soil excavation and reuse activities in accordance with the Port-Wide SMP.

The Final OIA 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"). Only soil that meets commercial Environmental Screening Levels ("ESLs") (and Port-specific arsenic background levels and hexavalent chromium ESL for construction workers in the Port-Wide SMP) can be transported to the Storage Site and subsequently reused at a Reuse Site. The purpose of this letter is to demonstrate compliance with Protocols 7 and 11 of the Final OIA SMP as well as Section 2.5.1 of the Port-Wide SMP, which has the same reporting requirements as the Final OIA 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.*

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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 2009, a total of 20,154 cubic yards of soil was generated at five source sites within OIA. Table 1 and Table 2 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 2009. The reports documenting soil testing are listed below, and were completed in 2005, 2008 and 2009. All site investigation reports and this annual report have been uploaded to Geotracker (Port of Oakland, Airport Division, T100000000651):

1. "Stockpile Characterization –Oakland Fuel Facilities Corp. Soil Stockpiles Located at Tank Farm C and Former PS Trading Tank Farm, Oakland international Airport," dated March 27, 2009, *Environmental Cost Management, Inc.*

2. "Soil Pre-Characterization and Reuse –Oakland Fuel Facilities Corporation Tank Farm C Oakland International Airport, Oakland, CA," dated October 14, 2008, *Environmental Cost Management, Inc.*

3. "East Apron Phase 3 Project – Materials Management Protocol Sampling Report," dated December 7, 2009, *Weiss Associates, Inc.*

4. "Midfield RON Project – Materials Management Protocol Sampling Report," dated December 7, 2009, *Weiss Associates, Inc.*

5. "Baseline Site Assessment Chevron Corporate Jet Center Expansion, 7799 Earhart Road, Hangar 10," dated March 3, 2008, *Secor*

6. "Further Characterization of Soil Materials Chevron Corporate Jet Center Expansion 7799 Earhart Road, Hangar 10," dated October 30, 2008, *Conestoga-Rovers & Associates*

7. "Terminal 2 Utility Corridor Soils Investigation Report (Airport Roadways and Civil Work Project) Oakland International Airport, Oakland, CA" dated May 16, 2005, *SAIC*

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

Sincerely,

Douglas Herman
Environmental Scientist

Encl.

Table 1. Transport of Soil from Source Sites to Storage Site from Port of Oakland Projects

Table 2. Transport of Soil from Source Sites to Storage Site from Port Tenant Projects

Figure1. Soil Source Sites and Storage Site

cc w/encl: Michele Heffes, Port of Oakland
Christine Noma, Wendel Rosen Black & Dean LLP
Dale Klettke, Port of Oakland

cc w/o encl: Yane Nordhav, BASELINE Environmental Consulting

Table 1. Transport of Soil from Source Site To Storage Site by Port Projects

Source Site	Storage Site	Date(s) of Transport to Storage Site	Material Type	Volume (cubic yards)
Midfield RON	65 Acre Site	10/27/2009	Artificial Fill/Clean Soil	450
		10/28/2009	Artificial Fill/Clean Soil	1,570
		11/2/2009	Artificial Fill/Clean Soil	870
		11/5/2009	Artificial Fill/Clean Soil	960
		11/12/2009	Artificial Fill/Clean Soil	1,300
		11/13/2009	Artificial Fill/Clean Soil	320
		11/16/2009	Artificial Fill/Clean Soil	490
		11/17/2009	Artificial Fill/Clean Soil	810
		11/30/2009	Artificial Fill/Clean Soil	90
		12/1/2009	Artificial Fill/Clean Soil	10
		12/1/2009	Bay Mud	160
		12/2/2009	Bay Mud	60
		12/4/2009	Bay Mud	10
		12/15/2009	Artificial Fill/Clean Soil	210
		12/16/2009	Artificial Fill/Clean Soil	190
		12/17/2009	Artificial Fill/Clean Soil	70
		12/18/2009	Artificial Fill/Clean Soil	70
		12/21/2009	Artificial Fill/Clean Soil	60
		12/22/2009	Artificial Fill/Clean Soil	220
		12/23/2009	Artificial Fill/Clean Soil	390
			Subtotal Volume:	8,310
East Apron Phase III	65 Acre Site	10/28/2009	Artificial Fill/Clean Soil	260
		10/30/2009	Artificial Fill/Clean Soil	780
		11/3/2009	Artificial Fill/Clean Soil	400
		11/4/2009	Artificial Fill/Clean Soil	180
		12/1/2009	Artificial Fill/Clean Soil	40
		12/2/2009	Artificial Fill/Clean Soil	30
		12/8/2009	Artificial Fill/Clean Soil	80
		12/10/2009	Artificial Fill/Clean Soil	140
		12/17/2009	Artificial Fill/Clean Soil	70
		12/18/2009	Artificial Fill/Clean Soil	10
			Subtotal Volume:	1,990

Table 1. Transport of Soil from Source Site To Storage Site by Port Projects

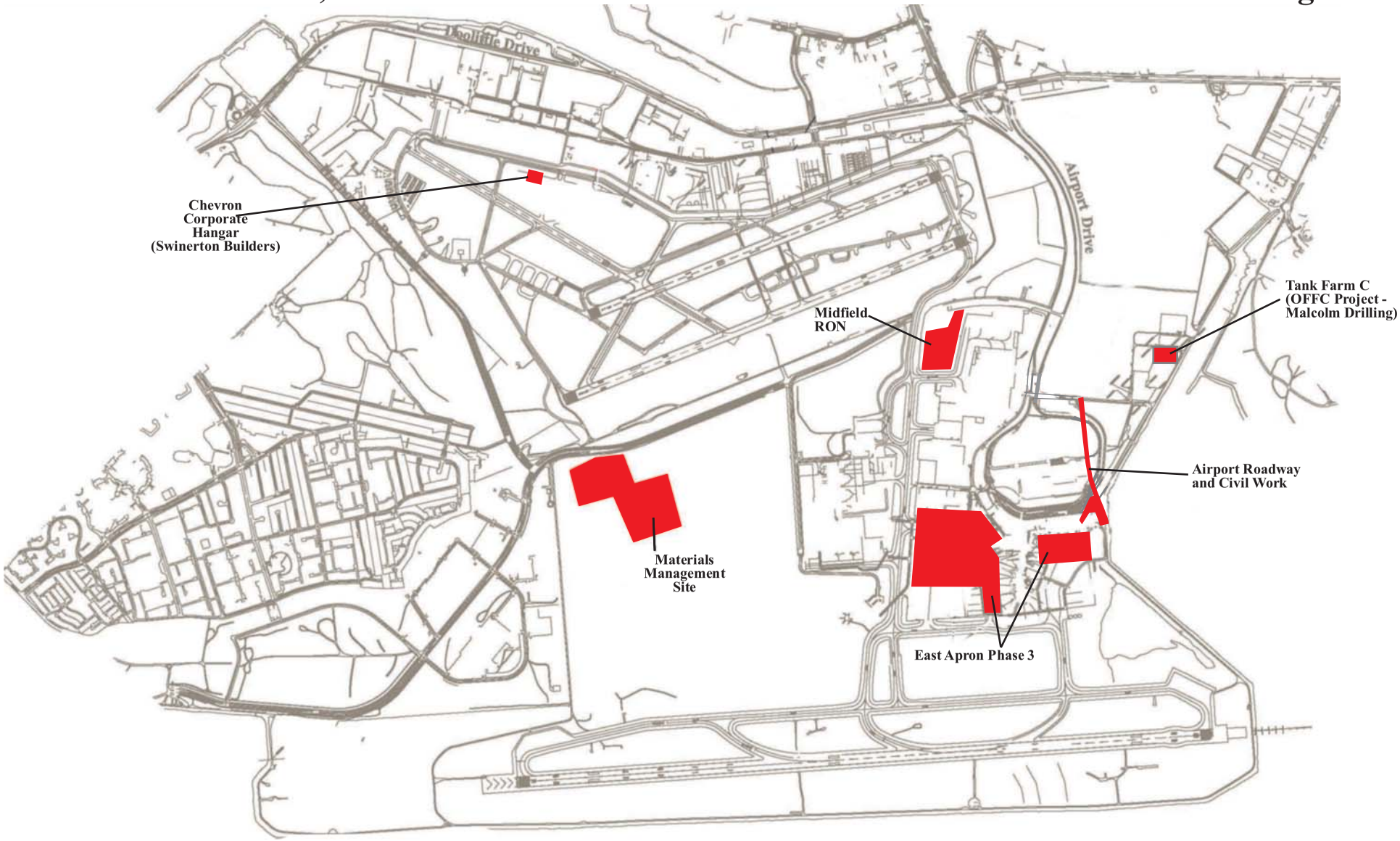
Source Site	Storage Site	Date(s) of Transport to Storage Site	Material Type	Volume (cubic yards)
East Apron Phase III Set-Up	65 Acre Site	10/1/2009	Artificial Fill/Clean Soil	120
		10/9/2009	Artificial Fill/Clean Soil	60
		10/10/2009	Artificial Fill/Clean Soil	80
			Subtotal Volume:	260
Airport Roadways & Civil Site Work	65 Acre Site	8/10/2009	Artificial Fill/Clean Soil	290
			Subtotal Volume:	290
			Grand Total Volume:	**10,850**

Table 2. Transport of Soil from Source Site To Storage Site by Tentant Projects

Source Site	Storage Site	Date(s) of Transport to Storage Site	Material Type	Volume (cubic yards)
Malcolm Drilling Company, Inc.	65 Acre Site	1 /13/2009	Artificial Fill/Clean Soil	820.00
		1 /14/2009	Artificial Fill/Clean Soil	660.00
		1 /15/2009	Artificial Fill/Clean Soil	630.00
		1 /21/2009	Artificial Fill/Clean Soil	770.00
		1 /28/2009	Artificial Fill/Clean Soil	810.00
		1 /29/2009	Artificial Fill/Clean Soil	460.00
		6 /24/2009	Artificial Fill/Clean Soil	190.00
		7 /1 /2009	Artificial Fill/Clean Soil	340.00
		7 /23/2009	Artificial Fill/Clean Soil	660.00
		7 /24/2009	Artificial Fill/Clean Soil	490.00
		8 /5 /2009	Artificial Fill/Clean Soil	650.00
			Subtotal Volume:	6,480
Swinerton Builders	65 Acre Site	1 /6 /2009	Artificial Fill/Clean Soil	540.00
		1 /7 /2009	Artificial Fill/Clean Soil	1,020.00
		1 /8 /2009	Artificial Fill/Clean Soil	648.00
		7 /29/2009	Artificial Fill/Clean Soil	220.00
		7 /30/2009	Artificial Fill/Clean Soil	396.00
			Subtotal Volume:	2,824
			Grand Total Volume:	**9,304**

ANNUAL REPORT, 2009 ACTIVITIES

Figure 1



Final Soil Management Protocol
Oakland International Airport
Oakland, California

0 2000 Feet

BASELINE

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