



August 19, 2014

RECEIVED

By Alameda County Environmental Health at 1:28 pm, Aug 21, 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:

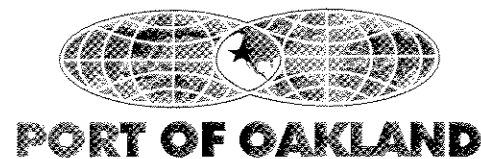
Please find attached the above-referenced technical documents prepared by Science Applications International Corporation and the Port of Oakland providing information requested by the Alameda County Environmental Health Care Services Agency, Department of Environmental Health related to the Terminal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



February 15, 2007

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

**RE: 2006 Annual Report for Soil Reuse Activities at Oakland International Airport
(File No. 01S0634)**

Dear Max:

At your request, we have prepared this letter, constituting the 2006 Annual Report as required by the Final Soil Management Protocol ("SMP") dated October 2005. The Final SMP is part of Oakland International Airport Materials ("OIA") Management Program, dated October 2005. A Draft SMP was reviewed and accepted by the Regional Water Quality Control Board ("RWQCB") in a letter dated 15 March 2005. Clarifications to the Draft SMP by letter dated 24 October 2005 prepared by the Port were accepted by the RWQCB on 31 October 2005 and incorporated in the Final SMP, dated October 2005.

The Final SMP consists of 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 (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, specifically with two protocols, Protocol 7 and 11.

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 7.¹

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:

¹ On 31 January, the Port contacted you requesting an extension for submittal of the Annual Report until 15 February 2007; in an email, dated 1 February 2007, you granted the extension.

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 2006, a total of an estimated 60,378 cubic yards of soil were characterized at three source sites within OIA and found to meet the protocols for transport to the Storage Site. Table 1 provides a list specific Source Sites, Storage Site, date of transport/receipt of the materials to the Storage Site, type of material (Bay Mud or artificial fill) transported to the Storage Site, and the estimated volumes. Figure 1 shows the location of the Source Sites and the Storage Site. The four reports listed below were completed documenting the characterization of the soils for transport from the Soil Source Site to the Storage Site and reuse in 2005 and 2006, and were provided to you in PDF format in the 2005 Annual Report. As indicated in your voicemail of February 13, 2007, the Port is not required to resubmit these documents, but they are provided for your information. Three additional reports documenting characterization activities were completed in 2005 and 2006; these reports are indicated in **bold** below and will be provided to you electronically on 15 February 2007:

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. "Soil Characterization Results for Hangar 1-5, Earhart Road, Oakland, CA," dated June 15, 2005, *Weiss Associates*.
4. "East Apron Phase I Stockpile Soil Sampling and Analysis Report, Oakland International Airport," dated October 12, 2005, *Science Applications International Corporation*.
5. **"Former National Lease Area, Soil Sampling and Storm Drain Trench Spoils and Analysis Report, Terminal 2 Utility Corridor Project, Oakland International Airport," dated June 29, 2005, *Science Applications International Corporation*.**
6. **"Former National Lease Area, Soil Sampling and Storm Drain Trench Spoils and Analysis Report, Terminal 2 Utility Corridor Project, Oakland International Airport," dated May 25, 2006, *Science Applications International Corporation*.**

7. "Soil Characterization and Data Evaluation to Determine the Suitability for Reuse, A5 Excavation Area, East Apron Phase 1," dated December 18, 2006, *R& M Environmental And Infrastructure Engineering, Inc.*

Table 2 lists the specific Storage Site, the Reuse Site, the volume and dates of material removed from the Storage Site and transported to the Reuse Site and Figure 1 shows the location of the Reuse Site. During 2006, approximately 7,115 cubic yards of artificial fill were reused from the Storage Site at the Hangar 1-5 Project. The artificial fill was blended with concrete and asphalt (35% artificial fill to 65% concrete and asphalt). The artificial fill was used as a component of FAA-Specified P-154 aggregate base material and was placed under lean concrete for the new ramps in this area.

Approximately 1,000 yards of soil was excavated, characterized, and reused at the former National Car Rental Site, 100 Airport Drive, OIA (STID #510). This soil was not transported to the Storage Site but, instead was reused on-site for the new outbound Airport Drive Roadway. The soil sampling reports are listed above in **bold** and will be forwarded to you in a PDF file.

Approximately 1,000 yards of soil was also excavated, characterized, and reused at the former Avis Rent A Car site, 1 Neil Armstrong Way, OIA (STID #1103). This soil was not transported to the Storage Site but, instead was reused on-site for the new outbound Airport Drive Roadway. The soil sampling report characterizing this soil, *Terminal 2 Utility Corridor Soils Investigation Report*, is listed above and was provided to you in the 2005 Annual Report.

In the Acceptance Letter for the Final SMP, signed by the Port and the RWQCB on October 31, 2005, we indicate that: "By implication, the draft protocol would not apply to construction debris from areas under or proposed to be under regulatory oversight due to unauthorized releases of hazardous materials." Two of the sites listed in the acceptance letter were Avis Rent A Car STID #1103 and National STID#510. Although National and Avis were indicated as being regulated, in fact, both Avis and National have been issued No Further Action Letters from Alameda County Health Care Services Agency. The Acceptance Letter and No Further Action Letters are attached for your information.

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,



Douglas Herman
Associate Port Environmental Scientist

Mr. Douglas Herman
15 February 15, 2007
Page 4

Encl. Figure 1, Annual Report 2006 Activities
Acceptance Letter for Final SMP
NFA Letter for Avis
NFA Letter for National

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 Site	Storage Site	Date(s) of Transport to Reuse Site	Material Type	Volume (cubic yards)
East Apron Phase I	65-Acre Site	Feb. 7, 2006	Artificial Fill	6,200
		March 15, 2006	Artificial Fill	5,040
		Nov. 29, 2006	Artificial Fill	2,160
		Nov. 30, 2006	Artificial Fill	1,008
		Subtotal		14,408
Airport Roadways and Parking Lot Project (Utility Corridor)	65-Acre Site	Jan. 10, 2006	Artificial Fill	140
		Jan. 12, 2006	Artificial Fill	90
		Feb. 17, 2006	Artificial Fill	50
		Feb. 21, 2006	Artificial Fill	50
		Feb. 22, 2006	Artificial Fill	30
		April 7, 2006	Artificial Fill	1,960
		May 5, 2006	Artificial Fill	940
		June 28, 2006	Artificial Fill	460
		June 29, 2006	Artificial Fill	770
		July 20, 2006	Artificial Fill	50
		Aug. 24, 2006	Artificial Fill	70
		Aug. 25, 2006	Artificial Fill	150
		Oct. 17, 2006	Artificial Fill	400
		Nov. 27, 2006	Artificial Fill	20
Subtotal		5,180		

Source Site	Storage Site	Date(s) of Transport to Reuse Site	Material Type	Volume (cubic yards)
Hangars 1-5 Project	65-Acre Site	Feb. 1, 2006	Bay Mud	1,440
		Feb. 2, 2006	Bay Mud	820
		Feb. 3, 2006	Bay Mud	660
		Feb. 6, 2006	Bay Mud	2,140
		Feb. 7, 2006	Bay Mud	1,040
		Feb. 8, 2006	Bay Mud	80
		Feb. 10, 2006	Bay Mud	1,060
		Feb. 13, 2006	Bay Mud	920
		Feb. 14, 2006	Bay Mud	160
		Feb. 15, 2006	Bay Mud	2,240
		Feb. 16, 2006	Bay Mud	2,320
		Feb. 21, 2006	Bay Mud	4,560
		March 7, 2006	Bay Mud	80
		March 8, 2006	Bay Mud	40
		March 9, 2006	Bay Mud	600
		March 15, 2006	Bay Mud	280
		March 16, 2006	Bay Mud	80
		April 8, 2006	Bay Mud	420
		April 10, 2006	Artificial Fill	680
		April 12, 2006	Artificial Fill	60
		April 17, 2006	Bay Mud	140
		April 19, 2006	Bay Mud	120
		May 15, 2006	Bay Mud	260
		May 16, 2006	Bay Mud	1,420
		May 17, 2006	Bay Mud	1,580
		May 18, 2006	Artificial Fill	280
		May 19, 2006	Artificial Fill	440
		May 22, 2006	Artificial Fill	3,400
		May 26, 2006	Artificial Fill	2,260
		May 30, 2006	Artificial Fill	1,900
		June 2, 2006	Artificial Fill	160
		June 5, 2006	Artificial Fill	1,240
		June 8, 2006	Artificial Fill	260
		June 13, 2006	Artificial Fill	100
		June 15, 2006	Bay Mud	60
		Sep. 5, 2006	Bay Mud	280
		Sep. 6, 2006	Bay Mud	600
		Sep. 7, 2006	Bay Mud	420
		Sep. 8, 2006	Bay Mud	240
		Sep. 11, 2006	Bay Mud	980
		Sep. 12, 2006	Bay Mud	1,560
Sep. 13, 2006	Bay Mud	1,500		
Sep. 14, 2006	Bay Mud	1,140		
Sep. 15, 2006	Bay Mud	690		
Sep. 16, 2006	Bay Mud	480		
		Sub Total		40,790
			Grand Total	60,378 cy

Note: cy= cubic yards

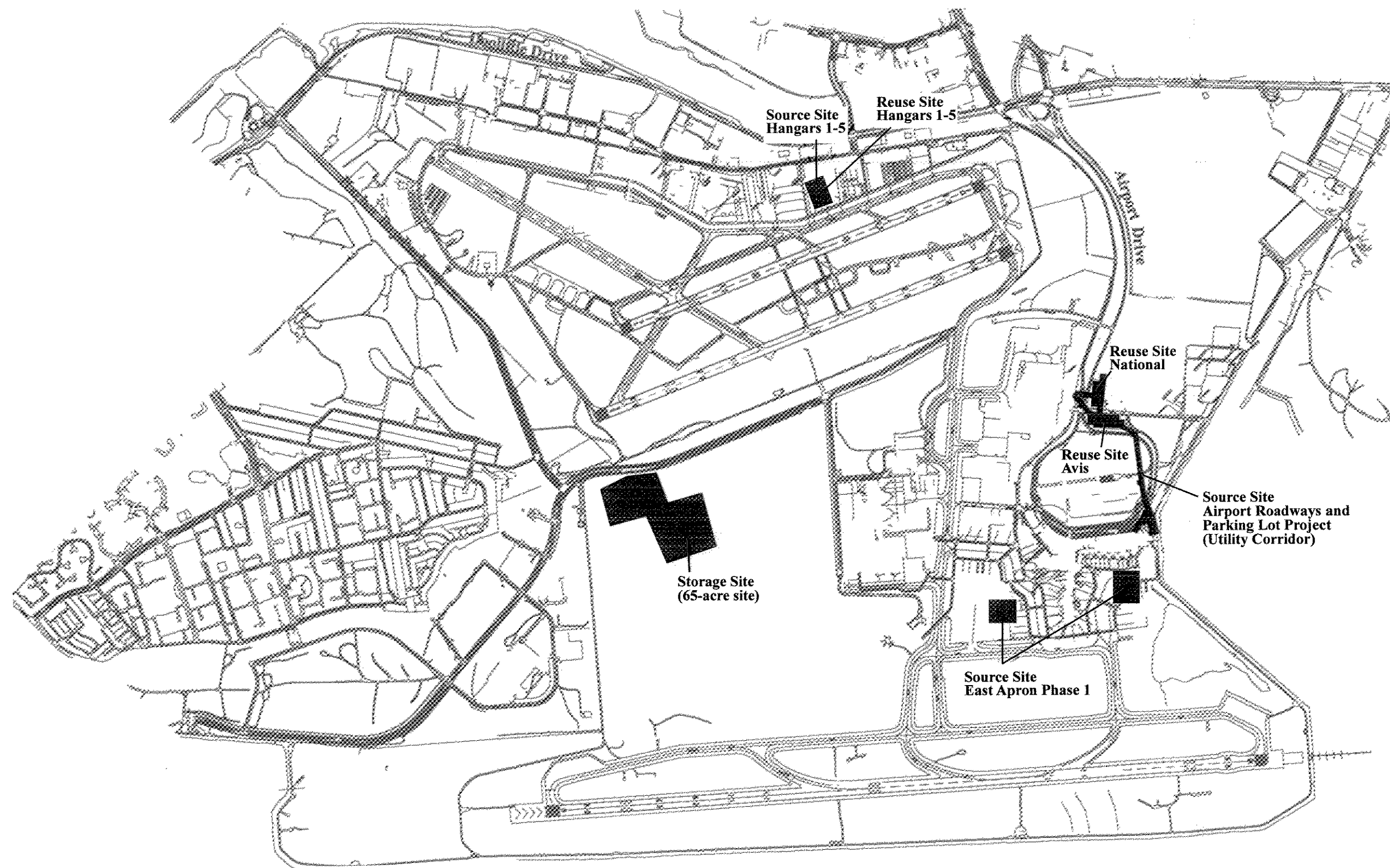


Table 2. Transport of Soil from Storage Site to Reuse Site

Storage Site	Reuse Site	Date(s) of Transport to Reuse Site	Material Type	Volume (cy)
65-Acre Site	Hangars 1-5	Feb. 22, 2006	Artificial Fill	293
		Feb. 23, 2006	Artificial Fill	295
		Feb. 24, 2006	Artificial Fill	369
		Feb. 25, 2006	Artificial Fill	685
		March 1, 2006	Artificial Fill	476
		March 2, 2006	Artificial Fill	128
		April 21, 2006	Artificial Fill	668
		May 31, 2006	Artificial Fill	211
		June 6, 2006	Artificial Fill	372
		June 7, 2006	Artificial Fill	264
		June 8, 2006	Artificial Fill	496
		June 9, 2006	Artificial Fill	245
		June 12, 2006	Artificial Fill	118
		June 13, 2006	Artificial Fill	118
		June 14, 2006	Artificial Fill	334
		June 16, 2006	Artificial Fill	334
		Sep. 13, 2006	Artificial Fill	317
		Sep. 14, 2006	Artificial Fill	544
		Sep. 15, 2006	Artificial Fill	258
		Sep. 16, 2006	Artificial Fill	326
Sep. 18, 2006	Artificial Fill	264		
		TOTAL		7,115 cy

Note:
cy = cubic yards



PORT OF OAKLAND OCT 27 2005

October 24, 2005

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

RE: FINAL SOIL MANAGEMENT PROTOCOL FOR THE OAKLAND INTERNATIONAL AIRPORT, OAKLAND, CALIFORNIA (FILE NO. 01S0634)

Dear Mr. Shahbazian:

The purpose of this letter is to inform you that the Port of Oakland ("Port") has finalized the Draft Soil Management Protocol ("DSMP") for the Oakland International Airport ("OAK"). The Port previously submitted the DSMP to the Regional Water Quality Control Board ("Water Board") for review in February 2005 and received an acceptance letter for the DSMP executed by Bruce H. Wolfe, Executive Officer, forwarded by Ms. Betty Graham dated March 15, 2005. As part of finalizing the DSMP, the Port has made a revision to one of the protocols described in the DSMP, as described below; we would appreciate your concurrence with this proposed change. In addition, this letter also provides the Port's understanding of one of the issues presented in the Water Board's letter of 15 March 2005; our understanding of the issue is provided to clarify potential ambiguities. We would also appreciate your concurrence with our understanding of this issue.

Background:

As you know, the Final Soil Management Plan ("SMP") proposes, among other things, to reuse soils excavated from the Oakland International Airport ("OAK") within the boundaries of OAK, if: 1) the soils meet commercial/industrial Environmental Screening Levels ("ESLs") (except for arsenic, where the soils would need to be below the background concentrations, as defined by the Lawrence Berkeley National Laboratory ["LBNL"]); 2) a reuse site has undergone the Port planning process, which includes obtaining Federal, State, and/or local permits, as applicable; and 3) a reuse site has been subject to environmental analysis and public review as part of the California Environmental Quality Act requirements, as applicable.

The Final SMP provides for record-keeping and annual reporting of soil reuse to the Water Board. The annual report will be submitted to the Executive Director of the Water Board by January 31 of each year while the SMP is in effect.

Clarification:

The March 15, 2005 acceptance letter of the DSMP from the Water Board indicated, in the third paragraph, last sentence:

"By implication, the draft protocol would not apply to construction debris from areas under or proposed to be under regulatory oversight due to unauthorized releases of hazardous materials."

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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

Since it is unknown which sites could be under regulatory agency oversight in the future, the Port would like to clarify that the Final SMP would apply to the entire OAK, except those sites that are, as of the date of this letter or in the future, under regulatory agency oversight for investigation and cleanup. We have provided, in an attached table, sites that are currently under regulatory oversight, or expected to be under regulatory oversight. The Final SMP does not apply to these sites.

Furthermore, as to those sites that are currently NOT under regulatory oversight, if and when new sites become subject to regulatory agency oversight in the future, the Final SMP will prospectively NOT apply to the new sites. However, to the extent that excavated soils, qualified for re-use, were placed on those sites, PRIOR to regulatory oversight, the past placement of those soils on such sites is acceptable.


Revision:

The Final SMP proposes to use commercial/industrial ESLs as a screening criterion for determining reuse of excavated soil, except for arsenic and cobalt. The screening values that will be used for arsenic and cobalt are the background levels developed by Lawrence Berkeley National Laboratory ("LBNL"). The LBNL background levels for arsenic and cobalt are 17 mg/kg and 22 mg/kg, respectively.

We would appreciate your acknowledging these clarification/revision for the Final SMP, either by a letter to us, or by signing below and returning a copy of this letter by mail or fax (510) 465-3755 to my attention at the Port of Oakland. We have attached a copy of the Final SMP for your files.

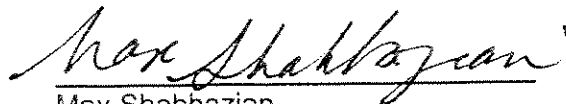
Thank you for your attention in this matter.

Sincerely,



Douglas P. Herman
Associate Port Environmental Scientist

Reviewed and Accepted:



Max Shahbazian
Regional Water Quality Control Board

Date: 10-31-2005

cc: Michelle Heffes
Chris Noma (Wendell, Rosen, Black & Dean)
Yana Nordhav (Baseline Environmental)
Project File No. 2004079

TABLE 1:

Current and Anticipated Future Regulatory Agency Oversight Sites at Oakland International Airport

A. Alameda County Health Care Services Agency, of Environmental Health Services

1. Avis - STID# 1103/RO0001603
2. Hertz - STID# 2260/RO0000157
3. National - STID# 510 (Site closed)
4. MF8/9/10 - STID# 6409/RO0000087
5. Former UAL/OMC includes MF23/24/25/26 and MF35/36 - STID# 1049
6. Rolls Royce Test Cell/Main Administration Buildings - RO0002606
7. U.S. Army Corps of Engineers - TRACON Facility - RO0002593

B. San Francisco Bay Regional Water Quality Control Board

1. South Field Tank Farm - Order# R2-2002-0013
2. Chevron North Field Tank Farm - Cleanup Order # 92-150
3. Former Galbraith Golf Course - Waste Discharge Order 94-131
4. Alaska Airlines - Hangar 6 - No Site # as of yet

C. Department of Toxic Substances Control

1. EZBH Site - Site Code #201364, Voluntary Cleanup Agreement dated 12/14/01.



ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

March 20, 2001
StID # 510

REMEDIAL ACTION COMPLETION CERTIFICATION

Mr. David Favero c/o
General Motors Corp.
1210 South 5th St.
Springfield, IL 62703

Mr. James Lindvall
7700 France Ave., South
Minneapolis, MN 55435

✓ Mr. Dale Klettke
Port of Oakland
P.O. Box 2064
Oakland CA 94607-2064

RE: Former National Car Rental, 100 Airport Dr., Oakland CA 94621

Dear Messrs. Favero, Lindvall and Klettke:

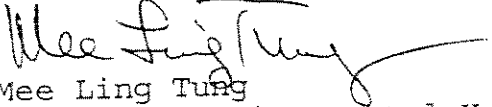
This letter confirms the completion of site investigation and remedial action for the three (3) underground gasoline tanks, 1-4000, 1-8000 and 1-10000 gallon and the one (1) 550 gallon waste oil tank formerly located at the above described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground tank is greatly appreciated.

Based on information in the above-referenced file and with provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tank(s) site is in compliance with the requirements of subdivisions (a) and (b) of Section 25299.37 of this Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.77 of the Health and Safety Code and that no further action related to the petroleum release(s) as the site is required.

This notice is issued pursuant to subdivision (h) of Section 25299.37 of the Health and Safety Code.

Please contact Barney Chan at (510) 567-6765 if you have any questions regarding this matter.

Sincerely,


Mee Ling Tung
Director, Environmental Health

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

August 18, 1994

STID # 1103

REMEDIAL ACTION COMPLETION CERTIFICATION

Michelle Heffes
Port of Oakland
530 Water Street,
Oakland, CA

Karles Westerman
Avis Rent A Car
1 Neil Armstrong Way
Oakland, CA

Ref: Avis Rent A Car, Inc, 1 Neil Armstrong Way, Oakland, CA

Dear Mr. Heffes and Mr. Westerman:

This letter confirms the completion of site investigation and remedial action for the two gasoline underground storage tanks at the above mentioned location.

Based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground tank release is required.

This notice is issued pursuant to a regulation contained in Title 23, Division 3, Chapter 16, Section 2721 (e) of the California Code of Regulations.

Please contact Madhulla Logan at (510) 271-4320 if you have any questions regarding this matter.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Rafat A. Shahid".

Rafat A. Shahid
Assistant Agency Director

cc: Edgar B. Howell, Chief, Hazardous Materials Division
Kevin Graves, RWQCB
Mike Harper, SWRCB (with attachment)
files

DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Division
80 Swan Way, Rm. 200
Oakland, CA 94621
(510) 271-4320

PORT ATTORNEY'S
OFFICE

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