

# Letter of Transmittal

DATE: 7/23/2004

WO NUMBER: 5310.10

Environmental  
Resources  
Management

TO:  
Regional Water Quality Control Board  
San Francisco Bay Region  
1515 Clay Street, Suite 1400  
Oakland, CA 94612

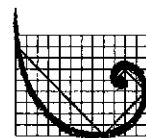
ATTENTION:  
Ms. Betty Graham

1777 Botelho Drive  
Suite 260  
Walnut Creek, CA 94596  
(925) 946-0455  
(925) 946-9968 (fax)

Alameda County  
JUL 27 2004  
SUPERIOR COURT

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- Prints
- Plans
- Samples
- Specifications
- Copy of letter
- Change order
- Submittals
- Other



**ERM**

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COPIES	DATE	NO.	DESCRIPTION
1			Table ES-1

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- For approval
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- Prints returned after loan to us
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### REMARKS

A recent review of the *Former United Airlines Oakland Maintenance Center Site Investigation and Risk Assessment Report* submitted in June 2004 indicated that Table ES-1 of the Executive Summary was inadvertently omitted. The table is attached. Please insert the table into the report following the Executive Summary. Please contact me if you have any questions. Thank you for your attention to this matter and I apologize for the omission.

### COPY TO:

Mr. Barney Chan, ACHCS  
Mr. Dale Klettke, Port of Oakland  
Mr. Dan Tisoncik, United Airlines

### SIGNED:

\_\_\_\_\_  
John Lucio

If enclosures are not as noted, kindly notify us at once.

TABLE ES-1  
 Summary of Risk Assessment Results  
 Former United Airlines Oakland Maintenance Center  
 Oakland International Airport

Area of Concern	Exposure Population	Chemicals Detected				Notes Regarding Tier-3 Evaluation	Recommendation
		Above Tier-1 Soil Standard	Above Tier-1 Ground Water Standard	Above Tier-2 Soil Standard	Above Tier-2 Ground Water Standard		
1 - Small Parts Wash Rack	Airport Workers	-	1,1-DCA	-	-	See note (1) below, 95% UCL mean of chromium concentrations below Tier-1, likely background 95% UCL mean of nickel concentrations below Tier-1, limited extent, possibly background, additional assessment of dilution and attenuation indicates concentrations in ground water not a threat to surface water	No Further Action
	Construction Workers	Chromium	Naphthalene	Chromium(II)	-		
	Ecological Receptors	-	1,1-DCA 1,1-DCE Naphthalene Cobalt Nickel	-	Nickel		
2 - Aircraft Wash Rack	Airport Workers	TPPH TPH as Diesel TPH as Jet Fuel	Naphthalene Xylenes TPH as Diesel	-	-	95% UCL mean of nickel concentrations below Tier-1, limited extent, elevated concentrations only detected in one of two sampling events, possibly background, additional assessment of dilution and attenuation indicates concentrations in ground water not a threat to surface water	No Further Action
	Construction Workers	TPPH TPH as Diesel TPH as Jet Fuel	-	-	-		
	Ecological Receptors	Arsenic	Naphthalene Xylenes TPH as Diesel Cadmium Copper Lead Nickel Zinc	-	Nickel		
3 - Industrial Wastewater Vault	Airport Workers	-	-	-	-	95% UCL mean of arsenic concentrations below Tier-1, likely background 95% UCL mean of cadmium concentrations below Tier-1, limited extent See note (1) below, 95% UCL mean of chromium concentrations below Tier-1, likely background	No Further Action
	Construction Workers	Arsenic Cadmium Chromium Copper Molybdenum Nickel	-	Arsenic Cadmium Chromium(II)	-		
	Ecological Receptors	-	Nickel	-	-		
4 - Aboveground Fuel Storage Tank	Airport Workers	-	-	-	-	-	No Further Action
	Construction Workers	-	-	-	-		
	Ecological Receptors	-	-	-	-		
5 - Vehicle Maintenance Center	Airport Workers	-	-	-	-	See note (1) below, 95% UCL mean of chromium concentrations below Tier-1, likely background	No Further Action
	Construction Workers	Chromium	-	Chromium(II)	-		
	Ecological Receptors	-	-	-	-		
6 - Boiler and Aboveground Diesel Storage Tank	Airport Workers	-	-	-	-	-	No Further Action
	Construction Workers	-	-	-	-		
	Ecological Receptors	-	-	-	-		
7 - Former 90-Day Hazardous Waste Accumulation Area	Airport Workers	-	-	-	-	-	No Further Action
	Construction Workers	-	-	-	-		
	Ecological Receptors	-	1,1-DCE Arsenic Nickel	-	-		
8 - Current 90-Day Hazardous Waste Accumulation Area	Airport Workers	-	-	-	-	-	No Further Action
	Construction Workers	-	-	-	-		
	Ecological Receptors	-	-	-	-		
9 - Hazardous Material Storage Areas	Airport Workers	TPH as Motor Oil	-	-	-	See note (1) below, 95% UCL mean of chromium concentrations below Tier-1, likely background	No Further Action
	Construction Workers	TPH as Motor Oil Chromium	-	Chromium(II)	-		
	Ecological Receptors	-	-	-	-		
10 - Chemical Storage Area	Airport Workers	-	-	-	-	-	No Further Action
	Construction Workers	-	-	-	-		
	Ecological Receptors	-	-	-	-		

JUL 27 2014  
 AIRPORT OPERATIONS  
 ENVIRONMENTAL SERVICES

TABLE ES-1  
 Summary of Risk Assessment Results  
 Former United Airlines Oakland Maintenance Center  
 Oakland International Airport

Area of Concern	Exposure Population	Chemicals Detected	Chemicals Detected Above	Chemicals Detected	Chemicals Detected	Notes Regarding Tier-3 Evaluation	Recommendation
		Above Tier-1 Soil Standard	Tier-1 Ground Water Standard	Above Tier-2 Soil Standard	Above Tier-2 Ground Water Standard		
11 - Aircraft Fueling/Defueling Equipment Area	Airport Workers	-	-	-	-		No Further Action
	Construction Workers	-	-	-	-		
	Ecological Receptors	-	-	-	-		
12 - Fire System Motors and Associated Fuel Tanks	Airport Workers	-	-	-	-		No Further Action
	Construction Workers	-	-	-	-		
	Ecological Receptors	-	-	-	-		
13 - Paint Spray Booth	Airport Workers	-	-	-	-		No Further Action
	Construction Workers	-	-	-	-		
	Ecological Receptors	-	-	-	-		
14 - Storm Drains	Airport Workers	-	-	-	-		No Further Action
	Construction Workers	-	-	-	-		
	Ecological Receptors	-	Beryllium Copper Lead	-	-		
15 - Aircraft Parking and Run Up Area	Airport Workers	-	-	-	-		No Further Action
	Construction Workers	-	-	-	-		
	Ecological Receptors	-	-	-	-		
16 - Fuel Spill Area on Taxiway	Airport Workers	-	-	-	-		No Further Action
	Construction Workers	-	-	-	-		
	Ecological Receptors	-	-	-	-		
17 - Former Vehicle Fueling USTs	Airport Workers	-	-	-	-		No Further Action
	Construction Workers	-	-	-	-		
	Ecological Receptors	-	Arsenic Nickel	-	-		
18 - Migration of Off-Site Solvent Plume onto OMC Property	Airport Workers	-	-	-	-		No Further Action
	Construction Workers	-	-	-	-		
	Ecological Receptors	-	-	-	-		
19 - Runoff From Pavement to Unpaved Area North of OMC	Airport Workers	TPH as Motor Oil	-	-	-	95% UCL mean of arsenic concentrations below Tier-1, likely background See note <sup>(1)</sup> below, 95% UCL mean of chromium concentrations below Tier-1, likely background	No Further Action
	Construction Workers	TPH as Motor Oil	-	Arsenic	-		
		Arsenic Cadmium Chromium	-	Chromium <sup>(1)</sup>	-		
	Ecological Receptors	-	-	-	-		

Notes:

<sup>(1)</sup>No Tier-2 standard was available for comparison of total chromium concentrations, so further analysis was conducted

TPH - Total Petroleum Hydrocarbons

DCA - Dichloroethane

DCE - Dichloroethene

TPPH = Total purgeable petroleum hydrocarbons