United States Environmental Protection Agency
Region IX
POLLUTION REPORT

Date: Wednesday, June 6, 2007
From: Robert Wise

To:

Josha Curtis, CADFG-OSPR	Steven Hsu, RHB
Denise Klimas, NOAA	Denise Steurer, USFWS
Glen Forman, DTSC	Jeff Philips, USFWS
John Fassell, CADHS	John Cubit, NOAA
Katherine Pease, NOAA	Keith Duval, VCo. APCD
Kurt Zimmerman, NOAA	Marilyn Levine, CADOJ
Mitch Disney, VCoDA	Michael Lumbard, CADHS
Morgan Wehtje, CADFG	Paula Rasmussen, RWQCB
Phil Blum, DTSC	Robert Montgomery, City of Oxnard
Rod Nelson, RWQCB	Rich Sherwood, DTSC
Sayareh Amirebrahimi, DTSC	Steve Koyasako, DTSC
Steve Pay, CADHS RHB	Steve Mattern, City of Oxnard
Tracy Woods, RWQCB	Barbara Hamrick, CADHS RHB

Subject: Continuation of Smelter Assessment
Halaco Engineering
6200 Perkins, Oxnard, CA
Latitude: 34.1389000
Longitude: -119.1819000

POLREP No.:	12	**Site #:**	09X6
Reporting Period:	June 4-5, 2007	**D.O. #:**	
Start Date:	2/5/2007	**Response Authority:**	CERCLA
Mob Date:	2/5/2007	**Response Type:**	Time-Critical
Demob Date:		**NPL Status:**	Non NPL
Completion Date:		**Incident Category:**	Removal Action
CERCLIS ID #:		**Contract #**	
RCRIS ID #:			

Site Description

As part of the on-going stabilization action, the Emergency Response Section will be conducting an surface and subsurface soil asessment of the smelter. The target contaminants are heavy metals and the thorium and radium isotope series. The areas to be assessed include the southeast corner of the smelter, the north western boundary of the smelter along the Oxnard Industrial Drain, the eastern bank of the Oxnard Industrial Drain along the smelter and the southern interface of the smelter and the Ormond Beach Wetlands. Information collected during the IA, the stabilization action and through concerned citizens led to the investigation of this area. Information provided to OSC Wise indicated that the area may have been used as a disposal area. During the stabilization action, the START identified several areas of radioligical contamination. Gamma surveys of the area indicated residual gamma radiation in excess of 50x background (>1,000,000 cpm by NaI(Te) scintillator).

Current Activities

The assessment consists of the surface and subsurface gamma radiation survey, collection of surface and subsurface soilds and soil samples and collection of groundwater samples. The subsurface samples were collected using a Geoprobe with a MacroCore. Temporary groundwater wells were installed to for groundwater collection. As of June 5, 2007, 11 sample holes and 3 background holes were installed with approximately 30 samples collected. All samples locations have a temporary well casing installed. Down-hole gamma radiation monitoring was conducted on each hole to delineate the vertical extent of the contamination down the casing. The holes are continuously sampled and an aliquot is taken from each core. Aliquots are also collected by the PRPs contractor as splits. Aliquots of all cores will be field screened for metals using the Niton XRF and run through the Smith Detection System HAZMAT ID to screen for other chemical contaminants. If other chemical contaminants are detected, those samples will be submitted for laboratory anaylysis.

So far the assessment has delineated the eastern, southern and western boundaries of the contamination have been delineated. Contamination levels range from 2x background to over 100 x background. Vertically, contaminated has been delineated to depths up to 15 feet below ground surface. Contamination has also been detected along the eastern bank of the Oxnard Industrial Drain and and the southern interface of the smelter and the Ormond Beach Wetlands Further assessment is needed to complete the delineation of this assessment.

In addition to Halaco waste process solids, burn ash has also been found in the samples.

Next Steps

1. Delineation of the northern boundary of the contamination.
2. Vertical assessment of the Ormond Beach Wetlands directly adjacent to the southern boundary of the smelter.
3. Horizontal and vertical assessment of the contamination in the north western boundary of the smelter along the Oxnard Industrial Drain.

Key Issues

1. Delineation of the interface between the Halaco waste process solids and the former burn ash dump.

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