



1994 FEB -1 PM 3:48

January 27, 1994

SDO 70267.PR

Mike Radecki  
Commanding Officer  
SWDIV NAVFACENGCOM  
1220 Pacific Highway  
San Diego, CA. 92132

Attn: Code 1822.MR

Dear Mr Radecki:

Subject: Results of Field Screening Performed on 14 January 1994 at the Naval Training Center (NTC) MCRD Landfill

The results of the organic vapor analyzer (OVA) screening of the MCRD Landfill that was performed on 14 January 1994 as part of the Air Solid Waste Assessment Test (SWAT) is attached (Attachment A). This second monthly screening was performed as part of a self-monitoring program instituted under an interim variance from San Diego County Air Pollution Control District (SDCAPCD) Rule 59.

If you have further questions, please contact me at (714)250-5522 x2321.

Sincerely,

CH2M HILL

A handwritten signature in black ink, appearing to read 'Bijan F. Hagh', is written over the typed name.

Bijan F. Hagh, Ph.D.  
Project Manager

BFH/

cc: Phil Dyck, NTC San Diego  
Richard Beauregard, Radian  
Jim Howes, Radian

**ATTACHMENT A**

**TECHNICAL MEMORANDUM**

**TO:** Bijan Hagh - CH2MHill  
**FROM:** Will Moseley - Radian Corporation  
**COPY:** Jim Howes, Rick Beauregard - Radian Corp.  
**DATE:** 19 January 1994  
**SUBJECT:** Summary of NTC Landfill OVA Screening on 5 January 1994

RECEIVED  
JAN 21 1994

CH2M HILL  
SAN DIEGO, CALIFORNIA

The January 14, 1994 surface screening event consisted of OVA pre and post calibration, OVA screening of the NTC San Diego landfill, and notation of significant emission readings. These items are described below.

The OVA screening was initiated at 08:00 and completed at 11:00. Wind speeds were very low (~ 1 mph) during the screening period. The walking path used in the previous screening event on 1 December 1993 was followed (see map attached to 12/1/93 memo). The surface locations where OVA readings were above 50 ppm were recorded and are shown on the attached map.

The OVA screening results were similar to those obtained in the previous screening event with the following exceptions: At the northwestern corner of the playing field track there were less locations with significant readings; At the southern side of the playing field track along the fenceline there were several locations where significant readings were obtained. The difference in readings between the two screening events is very likely due to the very localized area over which the readings can be made. Thus it is very easy to miss some points as well as find others.

The soil surface at all of the soil gas sampling locations for the landfill and migration monitoring probes were screened with the OVA after the soil gas probes were removed.

LP-1 and LP-3 were the only locations at which significant readings were obtained (both locations had readings in the range of 10,000 ppm). The attached map also shows the finalized soil gas sampling locations for the landfill and migration monitoring probes.

The OVA (organic volatile analyzer) used in the screening event was pre-calibrated on 1/13/94 and post-calibrated on 1/14/94. The OVA was pre-calibrated to zero, mid-range, and high range methane gases (0, 100, and 10,000 ppm respectively), and checked for linearity to non-methane gases with 100 ppm hexane. Calibration error was recorded for each range and did not exceed 10% in any case. In post-calibrating the OVA, the OVA response to the same gases used in pre-calibration was recorded and the zero, mid and high range drifts were determined. Drift values in all ranges were less than 10%.