



California Regional Water Quality Control Board
Santa Ana Region

AR_M60050_003293
MCAS EL TORO
SSIC NO. 5090.3.A



Alan C. Lloyd, Ph.D.
Agency Secretary

3737 Main Street, Suite 500, Riverside, California 92501-3348
Phone (951) 782-4130 – FAX (951) 781-6288 – TTY (951) 782-3221
<http://www.waterboards.ca.gov/santaana>

Arnold Schwarzenegger
Governor

June 10, 2005

Base Realignment and Closure
Attn: Mr. F. Andrew Piszkin, P.E.
BRAC Environmental Coordinator
7040 Trabuco Road
Irvine, California 92618

COMMENTS ON DRAFT LANDFILL TEST FILL CONSTRUCTION AND BORROW SOURCE EVALUATION REPORT, OPERABLE UNIT 2B, IRP SITES 2 AND 17, FORMER MARINE CORPS AIR STATION, EL TORO

Dear Mr. Piszkin:

We have reviewed the above referenced document, dated May 1, 2005, which we received on May 22, 2005. We verbally discussed comments on our field observations of the construction of the test fill with Mr. Gordon Brown, Navy Remedial Project Manager, on March 18, 2005. We have the following comments on the report:

- **2.2 BORROW SOURCE EVALUATION**, Page 2-1: Please describe the type of equipment that was used to blend the soil. In addition, the report should discuss how the soil was mixed and the steps that were taken to assure the correct soil mix ratio.
- **4.1.1 Compaction and Moisture Content Testing**, Page 4-1:

The optimum moisture or water content is not presented in the report text. This is a mandatory criterion for construction of the landfill cover, and must therefore be included in the report.

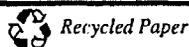
- **4.1.1 Compaction and Moisture Content Testing**, 2nd paragraph, Page 4-1: According to the report, it took six passes of the compactor to achieve the design-specified soil compaction of 90%. If a different compactor is used, the number of passes needed to achieve 90% compaction will likely change. In order to minimize variability of the soil compaction, we recommend that you utilize a tamping foot compactor.

For any questions, please call me at (951) 782-4494, or send email to jbroderick@waterboards.ca.gov.

Sincerely,


John Broderick
SLIC/DoD Section

California Environmental Protection Agency



Mr. F. Andrew Piszkin, P.E.

- 2 -

June 10, 2005

cc via email: Mr. Richard Muza, US EPA, Region 9
Mr. Frank Cheng, DTSC, Office of Military Facilities
Ms. Content Arnold, NAVFACENGCOM, Southwest Division

California Environmental Protection Agency



Recycled Paper