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- Ser 1142E/NAS Alameda

29 OCT 1986

California Regional Water
Quality Control Board
Attn: E. Fulton
San Francisco Bay Region
1111 Jackson Street, Room 5040
Oakland, CA 94607

Gentlemen:

As discussed in our meeting of October 20, 1986, our Interim Grading Plan for the prevention of ponding at the West Beach Landfill, Naval Air Station, Alameda, is provided as enclosure (1). We are currently in the process of making arrangements with the construction contractor to implement the plan. When the work is performed, our consultant, Harding Lawson Associates, will oversee the operation to ensure that it is performed in an acceptable manner.

Questions regarding this matter may be directed to Louise T. Lew, in our San Bruno office at (415) 877-7497.

Sincerely,

Original signed by:

Alex E. Dong
Head, West Central Environmental Section
By direction of
the Commander

Encl:
(1) Harding Lawson Associates
Interim Grading Plan,
Alameda Naval Air Station
Landfill, Alameda, CA, October 1986

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NAS Alameda

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WRITER: L. Lew/1142E/7497
TYPIST: B. Palmer/30 Oct 86/Ser 1528S
FILE: NAS Alameda



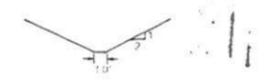
NOTES

General
 The purpose of the Interim Grading Plan is to prevent ponding in low areas which occurred on the Alameda Naval Air Station Landfill during the winter of 1985-1986. The Plan includes cuts and fills, in addition to a drainage swale which will promote drainage to the existing outlet pipe located at the decant tower at approximately elevation 112.0 feet. It will be necessary for the engineer to define the existing topography of the north end of the landfill which is not included in the As Built Plan. Interim grading in this area will be established by the engineer during grading.

Borrow Area
 The approximate limits of an onsite borrow area are included on the Plan. About 1 to 1.5 foot of soil may be cut in this region and utilized for the fill. If there are areas in this region which are lower than the Plan indicates, these areas should be avoided. At least one foot of cover is to be maintained over debris. If debris is encountered during construction, it must be covered with a minimum of one foot of soil. If additional borrow is needed for fill, supplementary areas which have an excess of one foot of cover over debris will be located by the engineer and can be used.

Fill Area
 Approximate contours for fill adjacent to the dikes in the east and northeast portions of the landfill are included on the Plan. Soil is to be transported from the borrow area and compacted over the existing cover to the grades shown on the Plan. The fill should be compacted sufficiently such that it can be sealed to minimize the infiltration of water. Sealing should be accomplished by rolling with rubber tired equipment.

The existing topography on the northern portion of the landfill is presently unknown. Ponding did occur in this region during the winter of 1985-1986. Grading in this area will be designated by the engineer based upon the existing topography. If grading which will promote drainage of this area to the decant tower outlet pipe is not feasible, the north dike will be breached at a location determined by the engineer. A cross section of a typical cut in the dike is shown below.



Drainage Swale
 A swale is to be formed by cutting and rilling at the depths shown on the Plan. The base of the swale is to be graded to promote drainage to the outlet pipe.

* All elevations are Naval Air Station Datum, MLLW+101.20 feet.

	Harding Lawson Associates Engineers, Geologists & Geophysicists	Interim Grading Plan Alameda Naval Air Station Landfill Alameda, California
	DRAWN: JAS DATE: 08/86	PROJECT: 0861,177.01 SHEET: 10/86