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WASTE ANALYSIS PLAN

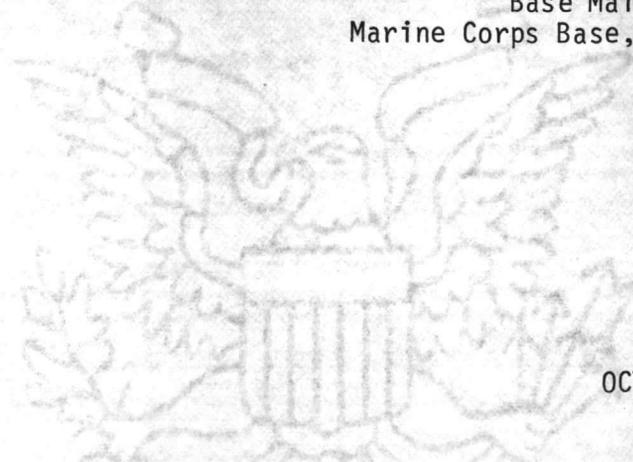
for

MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA  
MARINE CORPS AIR STATION (HELICOPTER), NEW RIVER, JACKSONVILLE, NORTH CAROLINA  
NAVAL REGIONAL MEDICAL CENTER, CAMP LEJEUNE, NORTH CAROLINA  
NAVAL REGIONAL DENTAL CENTER, CAMP LEJEUNE, NORTH CAROLINA  
DEFENSE PROPERTY DISPOSAL OFFICE (DPDO), CAMP LEJEUNE, NORTH CAROLINA  
MARINE CORPS OUTLYING FIELD (H), OAK GROVE, JONES COUNTY, NORTH CAROLINA

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THE UNITED STATES OF AMERICA  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
WASHINGTON, D. C. 20250



## WASTE ANALYSIS PLAN

This plan describes the procedures for sampling and for chemical and physical analysis of hazardous materials and hazardous waste stored at the Camp Lejeune complex awaiting transportation to an appropriate disposal site, generally a commercial facility. In most cases, the identity of the waste will be known in sufficient detail to preclude costly analytical services. Generating organization certification may be used in lieu of such analysis when feasible, provided Preservation, Packaging and Packing has adequate information to certify shipment on public highway and the officer with responsibility for final disposal (generally DPDO) has sufficient information to properly store and dispose of the item(s). The waste analysis must provide information required to implement the procedures developed to properly store and transport hazardous materials and hazardous waste. The analysis will be repeated as necessary to assure it is accurate and up-to-date. This plan provides the following:

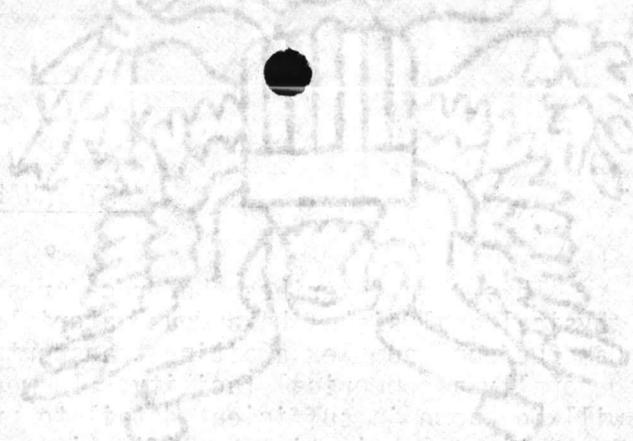
1. Sampling Methods
2. Parameters Selected
3. Test Methods
4. Frequency of Sampling

In cases where the identity of the waste is inadequate, sampling and analysis will be done. The Hazardous Material Disposal Coordinator for generating organization will contact the Quality Control Laboratory, Soil, Water and Environmental Section, Natural Resources and Environmental Affairs Branch, Base Maintenance Division, to arrange for the sampling. The Base Maintenance Division has established a Standing Job Order Number to be used to pay for the costs incurred in sampling and analysis for hazardous waste.

The Quality Control Laboratory personnel will conduct the sampling, under the direction of the Supervisory Chemist. The methods and equipment will vary with the form and consistency of the waste to be sampled. Table 1 lists the possible sample types and the references for the sample methods to be used. At the time of the sampling, the Laboratory will affix a sample number to the waste container which will correspond to the sample sent for analysis. The officer having physical custody of the sampled item(s) will ensure that the item(s) are not tampered with. Whenever possible, sampling will be delayed until the items are transported to the base long-term hazardous waste storage facility. The Laboratory analysis reports will be provided to the Hazardous Material Disposal Coordinator via the Base Maintenance Officer.

The samples will be sent to the Environmental Quality Branch of the Atlantic Division of the Naval Facilities Engineering Command (LANTDIV) in Norfolk, Virginia. LANTDIV arranges for the analysis for hazardous waste characteristics. Unless specifically requested by DPDO or other authorized official, only the minimum level of analysis, as required to ensure compliance with RCRA storage and DOT regulations will be run. The test methods used in these analysis is left to LANTDIV and the Laboratory they choose to run them. It is understood by LANTDIV that all these samples sent for analysis are for compliance with Federal regulations and therefore only certified laboratories and procedures are acceptable.

The wastes generated aboard the Camp Lejeune complex are generated in batches, as waste containers fill up. Therefore, sampling will be done, as needed, on each batch, as it is awaiting final disposition.



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TABLE 1

SAMPLING METHODS

<u>TYPE OF WASTE</u>	<u>GUIDE REFERENCE</u>
1. Extremely viscous liquid	ASTM Standard D140-70
2. Crushed or powdered material	ASTM Standard D346-75
3. Soil or rock-like material	ASTM Standard D420-69
4. Soil-like material	ASTM Standard D1452-65
5. Fly Ash-like material	ASTM Standard D2234-76
6. Containerized liquid waste	"COLIWASA" described in "Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods," EPA or Samplers & Sampling Procedures for Hazardous Waste Streams, EPA
7. Liquid waste in pits, ponds, lagoons and similar reservoirs	"Pond Sampler" described in "Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods."



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