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UNITED STATES MARINE CORPS

MARINE CORPS AIR STATION
PSC BOX 8003
CHERRY POINT, NORTH CAROLINA 28533-0003

IN REPLY REFER TO:

5090/24000

LN

25 Mar 99

From: Commanding General, Marine Corps Air Station, Cherry Point
To: Commander, Atlantic Division, Naval Facilities Engineering
Command (Code 1823, L. Laughmiller) Norfolk

Subj: REQUEST FOR DEBRIS REMOVAL AND CONFIRMATION SAMPLING, SITE 68
CRYOGENICS AREA SOLID WASTE MANAGEMENT UNIT (SWMU), MCAS,
CHERRY POINT

Ref: (a) MCAS, Cherry Point, Resource Conservation and Recovery
Act (RCRA) Part B Permit
(b) Volume I, Groundwater Section Guidelines for the
Investigation and Remediation of Soil and Groundwater

Encl: (1) SOW Site 68 Cryogenics Area

1. It is requested that the subject work be performed in accordance with the references. A site visit should be performed to further define the scope of the debris removal and confirmation sampling. Due to funding obligations, this work needs to be initiated within 60 days.

2. This area was identified in May of 1994. A SWMU Assessment Report was submitted by RUST Environment and Infrastructure in October of 1994 and subsequently submitted to regulatory authorities by Air Station personnel. Results of the SWMU indicate the existence of hydrocarbons (diesel range) and metals existing in both the soils and groundwater.

3. The enclosure is a general outline of work to be performed at the site and should suffice together with the site visit for determining cost requirements. Site specific information concerning sampling locations for groundwater and sediment have been discussed by Air Station and North Carolina regulatory authorities.

4. This is an Air Station funded site and funds will be available upon request. If you have questions or require additional information, please contact Ken Cobb of the Environmental Affairs Department at (252)466-5376 or DSN 582-5376.

A handwritten signature in black ink, appearing to read "W.B. Powers", is located below the fourth paragraph.

W.B. POWERS
Supervisory Environmental Engineer
By direction of the
Commanding General

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Copy to: (w/o encl)
Commandant of the Marine Corps
Headquarters, U.S. Marine Corps
2 Navy Annex
Code LFL Attn: K. Dryer
Washington DC 20380-1775

Site 68, Cryogenics Area
Debris Removal/Confirmation Sampling

Purpose: Develop an Interim Measure debris removal and sampling strategy workplan in accordance with Marine Corps Air Station (MCAS), Cherry Point's, Resource Conservation and Recovery Act (RCRA) Part B permit. Following the debris removal, conduct site sampling to characterize the extent of contamination resulting from disposal practices.

Site Conditions: Site 68 Cryogenics Area is an industrial area located adjacent to Slocum Creek. No recreational activity is associated with the site. The debris is located on a ridgeline behind building 4392. In 1994, RUST Environment and Infrastructure conducted a SWMU Assessment Report (SAR). Soil, sediment, and groundwater samples were taken to characterize contamination in the area. The materials existing in the ravine are as follows: construction debris, vehicle parts, and associated materials, various paint and solvent cans, old insulation, and large metal grates. The extent to which the material is buried beneath the site is unclear.

Proposed Actions: This project can be divided into five parts:

1. Plan preparation. Prepare a Work Plan, Health and Safety Plan, Transportation and Disposal Plan, and Data-Gap Sampling Plan.
2. Debris Gathering and Removal. To the maximum extent possible, leave existing trees in place for ridgeline stability. Remove debris without excavating. Field screen debris for volatile organic vapors. Stage and visually segregate materials for recycling.
3. Sample as necessary prior to ridge reconstruction and stabilization.
4. Reconstruct ridge as necessary. Seed soil to prevent erosion.
5. Prepare Action Memorandum and Close Out Report.

Proposed Sampling:

1. Perform three hydropunches to obtain three groundwater samples (EAD to provide sampling locations). Analyze all for the following; volatiles (8260), semi-volatiles (8270), Pesticides/PCB's (8081/8082), RCRA metals (total concentration). Analyze one sample for TPH utilizing methods described in Volume I of Groundwater Guidelines for the remediation of soil and groundwater.
2. Collect five soil samples and one duplicate from area of debris removal. Analyze all for the following; volatiles (8260), Pesticides/PCB's (8081/8082), RCRA metals (total concentration). Analyze one sample for TPH utilizing methods described in Volume I of Groundwater Guidelines for the remediation of soil and groundwater.
3. Collect two sediment samples. Analyze all for the following; volatiles (8260), Pesticides/PCB's (8081/8082), RCRA metals (total concentration).
4. Provide a sampling report which provides in tabular format the analytical results compared with the most recent Region III risk based criteria and NC 2L groundwater standards as applicable. Provide figures, which depict site boundaries, depict soil and groundwater sampling locations. And offer conclusions and recommendations based on this sampling event and the sampling performed by RUST Environment and Infrastructure (EAD to provide a copy of report if not available).