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DEPARTMENT OF THE NAVY  
ATLANTIC DIVISION  
NAVAL FACILITIES ENGINEERING COMMAND  
NORFOLK, VIRGINIA 23511

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IN REPLY REFER TO:

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29 NOV 1983

MEMORANDUM FOR DISTRIBUTION

Subj: Navy Assessment and Control of Installation Pollutants (NACIP) Program,  
Initial Assessment Study (IAS), Puerto Rico Activities

Ref: (a) FONECON NAVENENVSA (W. Eakes)/LANINAVFACENGCOM (J. Wallmeyer) of  
3 Nov 1983

Encl: (1) NACIP Program Overview  
(2) Initial Assessment Study

1. The objective of the NACIP Program is to identify, assess, and control contamination from past hazardous material/hazardous waste (HM/HW) operations which may pose a threat to human health or the environment. The first phase of the program, the Initial Assessment Study (IAS), is a systematic collection and evaluation of all evidence to determine whether environmental contamination potentially exists at an installation. The program overview and IAS description are addressed in greater detail in enclosures (1) and (2), respectively.
2. The Navy Energy and Environmental Support Activity (NAVENENVSA) is charged with conduct of the IAS. For most IASs, NAVENENVSA is contracting to accomplish the work.
3. IASs are about to be initiated for all Puerto Rico Activities. NAVENENVSA contractor for these IASs is Greenleaf-Tolesca, with Ecology and Environment as a subcontractor.
4. By reference (a), notification was provided of contractor record search at this Command scheduled for 5-9 December 1983. The types of information sought by the contractor are listed in enclosure (2).
5. Request addressees review enclosures (1) and (2), identify potential useable file documentation or other information, and provide point of contact name and phone number to Mr. Jerry Wallmeyer at 444-9566 by 2 December 1983.

*J. R. Bailey*

J. R. BAILEY, P.E.

Head, Environmental Quality Branch  
Utilities, Energy and Environmental  
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NACIP PROGRAM OVERVIEW

In the past few years, national attention has been focused on the public health and environmental issues emanating from inadequate past waste disposal practices. In keeping with public concern over these issues, the Department of the Navy has initiated a program to identify past operations which may have contaminated Navy and Marine Corps lands and to institute corrective measures, as needed. This program is named Navy Assessment and Control of Installation Pollutants (NACIP). The NACIP program consists of three phases:

- (1) Initial Assessment Study (IAS) - collecting and evaluating all evidence which indicates the existence of pollutants which may have contaminated a site or pose an imminent health hazard for people located on or off the installation.
- (2) Confirmation Study - performing field investigations, including physical and analytical monitoring, to confirm or deny contamination or a health hazard and to quantify the extent of any problem which may exist.
- (3) Corrective Measures - instituting needed remedial measures to control and mitigate contamination.

Extensive use is made of expertise available within the Department of Defense during the performance of NACIP investigations. In accordance with direction from the Chief of Naval Operations (CNO) and the Commandant of the Marine Corps (CMC), the NACIP program will be executed through the Naval Environmental Protection Support Service (NEPSS).

The NACIP program will systematically identify any contamination problems at Navy or Marine Corps installations, and then assess and control the effects of any contamination. Installations are designated as candidates for the program, and assigned relative priority for investigation, based on several factors, including: (1) current or past industrial operations; (2) the environmental sensitivity of the area; (3) the degree of development surrounding the installation; and (4) suspected contamination based on general knowledge or results of previous environmental investigations.

Candidate installations will normally receive initial assessment studies in the order of their assigned priorities. Such studies involve a review of documented evidence from installation and archival records, a physical survey of installation facilities, aerial surveys, and interviews with long-time employees. All evidence of potential contamination is documented in a technical report, with findings and recommendations. The report is subjected to extensive review by high-level Navy or Marine Corps personnel. Evidence indicating the potential presence of a contamination problem which may pose an immediate health or environmental threat at the installation would be the basis for conducting a confirmation study.

The confirmation study will be performed by consulting engineers under contract. This study will normally involve sampling and analytical monitoring at potential contamination sites. The study will confirm or rule out the existence of a pollution problem. If contamination is discovered, the problem is quantified. Whenever necessary, interim measures, using available technology, will be initiated to control any migration of pollutants which may exit the installation boundary or which may endanger the health of on-base personnel.

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Instituting corrective measures constitutes the final phase of the NACIP program. Design and construction of projects to institute these measures at Navy installations will be funded with Navy centrally-managed Pollution Abatement Program funds. Corrective measures at Marine Corps installations will be funded through normal funding channels utilizing Navy centrally-managed Pollution Abatement funds for projects of military construction scope, and Marine Corps special projects funds for projects at lesser scope. Procedures consist of internal project and cost development followed by review and approval at the appropriate level.

The NACIP program provides a systematic means of identifying and assessing contamination potential to ensure that the most urgent and important contamination problems may be addressed first. The program reflects the necessity for the Department of the Navy and the Department of Defense to ensure a clean environment and healthful living and working conditions at Navy and Marine Corps installations and surrounding civilian communities.

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INITIAL ASSESSMENT STUDY

The objective of the Initial Assessment Study (IAS) is to ascertain whether any contamination exists that may pose a threat to human health or the environment. NAVENENVSA maintains a specially trained NACIP team to conduct IASs and monitor contracted IASs. In-house IAS studies are conducted by a team of engineers and scientists from NAVENENVSA and the OESO, supplemented as necessary by other expertise within DOD. Typically, the IAS team consists of three to five people headed by a team leader. Team members are specialists in such fields as: environmental engineering, chemistry, hydrology, geology, biology, ordnance and radiation safety. Contractor teams will be similar in makeup to those maintained in-house. IAS studies will be funded through the Navy centrally-managed Pollution Abatement Program.

The IAS consists of a systematic collection and evaluation of all available evidence to determine whether a hazard to human health or environmental contamination exists at an installation. During the study, pertinent records and documents from the installation and various archival sources are obtained and evaluated; knowledgeable personnel are interviewed; and field inspections are performed.

EFD SUPPORT REQUIREMENTS

1. Provide person for liaison during all aspects of study.
2. Make the following records available from COMNAVFACENGCOM Engineering Field Divisions:
  - a. Environmental Branch
    - o Activity files (EESs, ESRs, A&E studies, project information, correspondence)
    - o Applicable regulations
    - o Hazardous materials management surveys and plans
  - b. Utilities Division
    - o Utility maps (water, sewage, etc.)
    - o Applied biology records
  - c. Facilities Planning and Real Estate Department
    - o General development map
    - o Facilities index
    - o Activity master plans
    - o EIAs/EISs
    - o Real property listing
    - o Military readiness
    - o Real estate actions (outleasing, excessing, geology information, etc.)
    - o Aerial photographs
    - o Cadastral records

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d. Design Division

o Geotechnical records

3. Type of information desired.

General activity information including current and past operations, missions, history, layout, land usage, geology/hydrology, spill incidents, explosions, chemical usage, storage, and disposal, contamination incidents, and disposal operations.