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**UNITED STATES NAVY
NAVAL STATION ROOSEVELT ROADS
CEIBA, PUERTO RICO
RCRA FINAL PERMIT REQUIRED QUARTERLY
PROGRESS REPORT
PERIOD MAY 1, 1995 - JULY 31, 1995**

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INTRODUCTION

This quarterly report is comprised of the following separate sections:

1. Work Completed - A description of activities conducted, pursuant to the provisions of the Corrective Action portion of the Final Permit, during the reporting period.
2. Summary of Findings - A brief summary of corrective action related findings developed during the reporting period.
3. Summary of Changes - A brief summary of any changes made in the corrective action program.
4. Community Relations Summary - A brief summary of any contacts made with the local community or interested groups during the reporting period.
5. Problems Encountered/Response Taken - A brief summary of problems or conditions that caused a response to be made in the corrective action program.
6. Personnel Changes - Personnel changes made during the period.
7. Planned Work - A list of tasks planned for the next period.
8. Reports/Information - Pertinent reports, analytical summaries, etc., generated during the period.

Each section includes a separate list of contents and separate attachments as necessary and appropriate.

SECTION 1
WORK COMPLETED

Work related to the Corrective Action Provisions of the NSRR Final RCRA Permit was performed during this reporting period in a number of different areas. Tasks which were continued or completed this period included:

- Continuing efforts on design of an Interim Corrective Measure at SWMU 45.
- Reporting on removal actions at IR sites 15 and 16 (SWMUs 10 and 11/45).
- Responding to EPA comments regarding SWMUs 7 and 8 and SWMU 30.
- Continuing operation of free product recovery at the Tow Way Fuel Farm (SWMU 7).
- Responding to EPA comments on the RFI workplans.

Each of these is discussed in detail in the paragraphs which follow.

Interim Corrective Measure - SWMU 45

The "Final Engineering Report for Investigation, Characterization and Interim Corrective Measure of SWMU 45" was submitted on May 23, 1995. Presently, the Interim Corrective Measure for this SWMU is in the design stage. A pre-design site visit and inspection was made July 12, 1995. Participating were Baker Environmental, Naval Facilities Engineering Command - Atlantic Division (LANTDIV), OHM (the Navy's Remedial Action Contractor), and Roosevelt Roads. At this meeting, it was agreed that Alternative 3 (as presented in the Final Engineering Report) would be followed. This alternative includes the following:

1. The inflow tunnel will be sealed with cast-in-place concrete at its end in Puerca Bay and cut and sealed with concrete at its entrance to Building 38.
2. The outflow tunnel will be cut and sealed with cast-in-place concrete at a point near the Base Landfill gate and at its entrance to Building 38.

3. Fluids from both tunnels will be pumped out to an on-site treatment system. Both tunnels will be cleaned.
4. All access points to the tunnels will be sealed with cast-in-place concrete after they have been confirmed clean.
5. The wood walkway over the inflow tunnel in Puerca Bay will be repaired and upgraded.
6. The two existing USTs will have all liquid removed from them, they will be cleaned, confirmatory samples will be obtained and they will be backfilled with sand or foam. The manways will be sealed with cast-in-place concrete.

Performance-based specifications, including those for cast-in-place concrete, wooden access construction, removal of fluids, tank/tunnel cleaning, and water treatment will be prepared. These specifications will not detail the exact methodologies which are to be used, but will specify the endpoints that must be reached.

The following is the tentative schedule for the design phase of the Interim Corrective Measure:

60% Design:	due 11 August 1995
100% Design:	due 10 October 1995 (based on 30-day government review)
Revised Final:	due 10 December 1995 (based on 30-day government review)

Removal Actions at IR Sites 15 and 16 (SWMUs 10 and 11/45)

The "Final Close-out Report for Interim Remedial Action of PCB Contaminated Soils, Sites 15 and 16" (OHM, May 1995) was submitted to both the EPA and the Puerto Rican Environmental Quality Board (EQB) on July 3, 1995. The results of these removal actions are detailed in the referenced report.

SWMUs 7/8 (Tow Way Fuel Farm) and 30 (Former Incinerator)

The EPA (Hazardous Waste Facilities Branch) provided the Navy with comments regarding the Site Characterization Report (SCR) and Corrective Action Plan (CAP) prepared by Blasland, Bouck and Lee on April 13, 1995. Written response to the comments was made by the Navy on June 27, 1995. The EPA provided a subsequent set of comments on July 19, 1995. It is the Navy's intent to respond to the outstanding issues in the Final RCRA Facility Investigation (RFI) workplans which are in preparation at this time.

The Hazardous Waste Facilities Branch of EPA provided comments on the Blasland, Bouck and Lee SCR for the Former Incinerator UST (Site 1983, SWMU 30) on July 13, 1995. Response to these comments will be contained within the RFI workplans.

Free Product Recovery at SWMU 7

The free product recovery system at the Tow Way Fuel Farm continued in operation during this period. The report for the month of June 1995 describing the progress of this remediation was provided on July 24, 1995.

RFI Workplans

Comments pertaining to the "Draft RFI Workplans" from the EPA were received on June 16, 1995. Work is progressing on addressing these comments and preparing a resubmission of the plans. A meeting to discuss the comments occurred on August 15, 1995. At the present time, mobilization for field investigations at Operable Units (OUs) 1 and 2 is scheduled for November 1995.

SECTION 2
SUMMARY OF FINDINGS

The "findings" related to investigations this period were all provided in separate reports. Included in this group of reports is:

- Final Engineering Report Investigation, Characterization and Interim Corrective Measure of SWMU 45 (Site 16) - Baker Environmental, May 23, 1995.
- Final Site Characterization Report for the Tow Way Fuel Farm - Blasland, Bouck and Lee, April, 1994 (comments on this document were received and discussed during the reporting period).
- Corrective Action Plan for the Tow Way Fuel Farm - Blasland, Bouck and Lee, September, 1994 (comments on this document were received and discussed during the reporting period).
- Interim Corrective Measures Quarterly Report for Period January, 1995 through March, 1995 - Terra Vac Inc., May 1, 1995.
- Draft RCRA Facility Investigation Work Plans - Baker Environmental, March, 1995 (comments on this document were received and discussed during the reporting period).
- Final Close-out Report for Interim Remedial Action of PCB Contaminated Soils, Sites 15 and 16. OHM, May, 1995 (submitted July 3, 1995).

Please refer to these reports for additional information on findings related to the corrective action provisions of the Final Permit.

SECTION 3
SUMMARY OF CHANGES

The only change related to the corrective action portion of the permit is related to SWMUs 7/8 and 30. The Navy has decided to include all investigatory efforts toward characterization in the RFI workplans. This will minimize the number of potentially conflicting or redundant submissions and allow a single contractor to address all the SWMUs leading to a uniformity of approach.

SECTION 4
COMMUNITY RELATIONS SUMMARY

Minutes from the May 5, 1995 Restoration Advisory Board (RAB) meeting are attached (these were not available for the last quarterly report). The meeting consisted of a formal presentation to the Navy League Eastern Council. Discussed in detail was the purpose of the RAB, membership of the RAB, meeting frequency of the RAB and the status of the IR Program (including permit issues, SWMUs under corrective action, and site 15 and 16 (SWMUs 10 and 45) Interim Remedial Measures).

One fact sheet (attached) was distributed to community members, local government officials and members of the RAB during the reporting period. The fact sheet discusses, in general terms, the Installation Restoration Program, previous investigations and present status. Stressed is the purpose and composition of the RAB and how the Navy is truly interested in community involvement.

**INFORMATION REGARDING
MAY 5, 1995 RAB MEETING**

**NAVAL STATION ROOSEVELT ROADS, CEIBA, PR
RESTORATION ADVISORY BOARD (RAB)**

MAY 5, 1995 MEETING MINUTES

Meeting Place: Officer's Club, Naval Station Roosevelt Roads
Attendees: Navy League Puerto Rico Eastern Council Members
Agenda: Formal Presentation of RAB and IR Program

7:00 pm- The presentation began with a formal introduction of myself by Mr. Rafael Vega, Navy League President. Following this introduction Captain Wood, NAVSTA Commanding Officer addressed those present, explained how important was to be environmental conscious in all the Navy aspects, from supply ordering to fleet exercises. He exhorted them to work together to protect the environment at the Naval Station and everywhere.

I introduced the issue of installation restoration and why community participation was important to solve this issue. I presented the objectives of the Restoration Advisory Board (RAB), and why we wanted to have community participation to review reports and provide inputs to be considered when deciding on how to clean some areas. I discussed my previous presentations and meetings with Ceiba's community and the response that I got from them. I exhorted those present to become member of the RAB and explained the requisites for becoming a member.

I discussed what is the Installation Restoration (IR) Program, how the sites were identified, and what has the Navy done toward the restoration of those sites. I also explained how the Naval Station is regulated under the Resource Conservation and Recovery Act, and EPA/EQB involvement to ensure restoration is achieved.

After my presentation there were some remarks/questions from the public.

Q- How are you recruiting members?

A- I had held meetings at Ceiba's Community Center, announced the meetings in a local (spanish) newspaper, mailed letters to media, environmental groups and residents. We met after working hours in a place that is convenient to the surrounding community. I rely upon people's motivation to motivate other residents. I have invited the community to participate so they earned new experiences that could help to solve similar community problems.

Q- If the areas contaminated are not affecting directly the community, people will not have any interest on helping the Navy. How are you planning to motivate them to help the Navy?

A- The areas contaminated do not represent an immediate danger to the health or the environmental but some are contaminated to levels that could affect those working around them, and therefore need to be cleaned up.

**NAVAL STATION ROOSEVELT ROADS
RESTORATION ADVISORY BOARD**

5 MAY 95 MEETING MINUTES

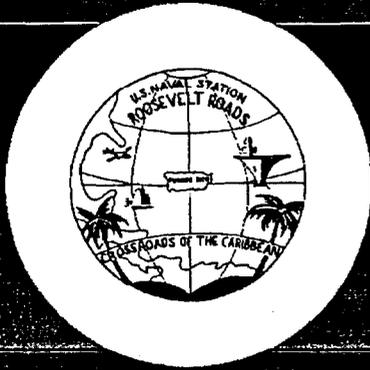
(cont.)

So far some people have shown interest but they do not want to compromise themselves to RAB. I will maintain the community informed through newsletters, fact sheets, and regular meetings. I expect to create conscience on how important is to work together for the environment.

I exhorted those present to complete an application and become RAB members. I distributed applications and Fact Sheets.

Meeting adjourned at 8:45 pm.

FACT SHEET



Naval Station Roosevelt Roads RAB

May/Mayo 1995

Vol. I, No. 3

This is the third Naval Station Roosevelt Roads (NSRR) Restoration Advisory Board (RAB) Fact Sheet. Fact Sheets will be published periodically to communicate the plans and accomplishments of the NSRR Installation Restoration (IR) Program and the results of RAB activities.

Esta es la tercera Hoja de Datos de la Junta Consejera de Restauración Ambiental (Restoration Advisory Board) (RAB) de la Estación Naval de Roosevelt Roads (Naval Station Roosevelt Roads). Las Hojas de Datos serán publicadas periódicamente para comunicar los planes y logros del Programa de Instalación de Restauración Ambiental (Installation Restoration) (IR) de la NSRR y los resultados de las actividades del RAB.

IR Program

The Department of Defense (DoD) has been investigating past waste management procedures at military installations (bases) under what is now called the Installation Restoration (IR) Program. Formerly acceptable storage, use, and disposal of waste materials at DoD installations have resulted in sites which may be contaminated with materials now considered hazardous. The mission of the IR Program is to protect human health and the environment by identifying, investigating, and, if necessary, cleaning up these sites.

Programa IR

El Departamento de la Defensa (DoD) ha estado investigando, basándose en lo que ahora se denomina el Programa de Instalación de Restauración Ambiental (Programa IR), el manejo de desperdicios y los métodos antiguos de disposición usados en las instalaciones militares (bases). Formas de almacenamiento, uso y disposición de desperdicios, que eran aceptados anteriormente en las instalaciones del DoD bien podrían haber causado contaminación por materiales que se consideran peligrosos actualmente. La misión del Programa IR es la de proteger la salud humana y el ambiente por medio de la identificación, la investigación, y, de ser necesario, la remediación de los lugares contaminados.

Restoration Advisory Board

DoD is consistently trying to increase community involvement in the IR Program. To help accomplish this goal, NSRR established a Restoration Advisory Board (RAB) to advise and support the IR Program. The RAB is essentially an improved version of the former Technical Review Committee (TRC). The Station's TRC was comprised of Navy personnel, and local, commonwealth and federal officials. The Navy wants to increase community involvement in the IR Program and therefore community members were added to the former TRC to form the RAB. The RAB meets at regular intervals to review IR Program documents and act as a forum for public opinion. RAB members are listed on page 4.

Junta Consejera de Restauración Ambiental

El DoD está tratando consistentemente de aumentar la conciencia comunitaria en el Programa IR. Para ayudar a cumplir esta meta, la Estación Naval estableció la Junta Consejera de Restauración Ambiental (RAB) con el objetivo de aconsejar y dar apoyo al Programa IR. El RAB es esencialmente una versión actualizada del previo Comité de Revisión Técnica (Technical Review Committee) (TRC). El TRC de la Estación Naval estaba formado por personal de la Marina, y por oficiales locales, y del Estado Libre Asociado y federales. La Marina quiere aumentar el compromiso comunitario con

Programa de Restauración, por lo cual ha añadido miembros de la comunidad para formar la Junta Consejera de Restauración Ambiental. El RAB se reúne a intervalos regulares para revisar los documentos del Programa IR y actúa como foro para la opinión pública. Los miembros del RAB se listan en la página 4.

IR Program at NSRR

Until 1993, the Station IR Program activities (except for the underground storage tanks) were conducted under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) regulations. Under this program, general areas were under investigation. The Environmental Protection Agency then decided that environmental studies should comply with the Resource Conservation and Recovery Act (RCRA). Waste management units were identified according to RCRA definitions and the former CERCLA sites were absorbed into the new program. Today, the IR Program at NSRR is in compliance with RCRA. Currently, there are 22 "Solid Waste Management Units" (SWMUs) and two "Areas of Concern" (AOC) under investigation at the Station. A SWMU is a *unit* where solid waste was stored or disposed while an AOC is any *area* where solid waste was stored or disposed. Three sites are in the process of being remediated (cleaned up) and others are under investigation for possible future cleanup.

Programa de IR a NSRR

Hasta 1993, las actividades del Programa IR de la Estación Naval (con excepción de los tanques de almacenamiento subterráneo) fueron conducidas bajo el reglamento del Acta de Respuesta Ambiental Comprensiva de Compensación y Responsabilidad (Comprehensive Environmental Response, Compensation, and Liability Act) (CERCLA). A cargo de este programa, se investigaron ciertas áreas generales. La Agencia de Protección Ambiental (Environmental Protection Agency)(EPA) decidió entonces que los estudios ambientales deberían cumplir con lo especificado en el Acta de Conservación y Recuperación de los Recursos (Resource Conservation and Recovery Act) (RCRA). Unidades de manejo de desperdicios fueron identificadas de acuerdo a términos de RCRA, y las áreas previamente estudiadas bajo CERCLA fueron incluidas bajo el nuevo programa. Hoy en día, el Programa de Restauración de la Estación Naval está en cumplimiento con RCRA. Actualmente se investigan 22 Unidades de Manejo de Desperdicios Sólidos (Solid Waste Management Units) (SWMUs) y dos Areas de Preocupación (Areas of Concern) (AOC). Un SWMU es una *unidad* donde se almacenan o se eliminan los desperdicios sólidos mientras que un AOC es cualquier *área* donde se almacenaron o se eliminaron los desechos sólidos. Tres lugares están en proceso de restauración ambiental (remediación) y otros están bajo investigación para la determinación de un posible saneamiento.

Previous Studies/ Estudios

The following are the studies that have been performed under the IR Program at NSRR:

Lo siguiente son los estudios que han sido realizados bajo el Programa de Restauración en las Estación Naval:

- ❖ Initial Assessment Study/Estudio de la Evaluación Inicial - 1984
- ❖ Confirmation Study/Estudio de Confirmación - 1986
- ❖ Remedial Investigation/Feasibility Study for Site 15 (SWMU 10)/Investigación de Reparación/Estudio de Viabilidad del sitio 15 - 1991
- ❖ Remedial Investigation/Feasibility Study for Site 16 (SWMU 11,45)/Investigación de Reparación/Estudio de Viabilidad del sitio 16 - 1991
- ❖ Pre-Investigation Corrective Measures Screening Report/, Reporte de la Pre-Investigación de la Selección de Medidas Correctivas - 1994

Community Involvement

NSRR has been conducting a community relations program at the Station. The Navy interviewed community members and published a Community Relations Plan (CRP) in 1993 to apprise the public of environmental actions being conducted at NSRR under the IR Program. The CRP and other IR Program documents are available for review at the libraries listed below.

Participacion de la comunidad

La Estación Naval ha estado conduciendo un programa de relaciones con la comunidad. La Marina entrevistó a varios miembros de la comunidad para determinar si la comunidad conocía sobre los trabajos de remediación que se llevaban a cabo en las Estación Naval. En 1993 publicó un Plan de Relaciones con las Comunidad (Community Relations Plan) (CRP). El Plan de Relaciones con la Comunidad y otros documentos sobre el Programa de Restauración pueden conseguirse en las bibliotecas listadas abajo.

Information Repositories/ Lugares para obtener informacion

- ❖ Naval Station Roosevelt Roads
Public Works/Environmental Engineering Division
Ceiba, PR 00735
Contact/Contacto:
Ms. Madeline Rivera
(809) 865-4429
- ❖ Municipality of Viequez -
Public Library (Biblioteca Publica)
Viequez, PR 00765
Contact/Contacto:
Head Librarian
(809) 741-3406
- ❖ Municipality of Ceiba -
Office of Public Affairs
Municipal Building
Ceiba, PR 00735
Contact/Contacto:
Ms. Hilda Sofia Pedraza
(809) 885-2180

Administrative Record

In addition, the NSRR Administrative Record may also be reviewed. The Administrative Record is the legal file of information which documents the IR Program investigation and cleanups in progress and those completed at NSRR. The Administrative Record is available at the Station location listed above.

Récord Administrativo

En adición, el Récord Administrativo de la Estación Naval también esta disponible para revisión. El Récord Administrativo es un archivo legal que incluye los documentos de investigación y remediación, completados o en progreso, de la Estación Naval. El Récord Administrativo se encuentra en la Oficina de Ingeniería Ambiental de la Estación Naval.

Program Points of Contact/

For additional information about the IR Program or the RAB, please contact:

Puntos de contacto del programa

Para más información del Programa de Restauración o de la Junta Consejera de Restauración Ambiental, favor comunicarse con:

- ❖ Ms. Madeline Rivera
Naval Station Roosevelt Roads
Public Works/Environmental Engineering Division
Box 3021
Ceiba, PR 00735
(809) 865-4429

**RAB Members/
Miembros de RAB**

Environmental Quality Board
(Junta de Calidad Ambiental)
Mr. Israel Torres
Director, Land Pollution Control Area
(Area de Control de Contaminación del
Terreno) P.O. Box 11488
Santurce, PR 00901

Department of Natural Resources
(Departamento de Recursos Naturales)
Pedro A. Gelabert
P.O. Box 5887
Puerta de Tierra, PR 00906

U.S. Environmental Protection Agency (EPA)
(Agencia Federal de Protección Ambiental)
Region II, Mr. Andrew Bellina, P.E.
26 Federal Plaza
New York, NY 10278

U.S. Geological Services
(Servicios Geológicos de EEUU)
Ana Nieves
P.O. Box 364424
San Juan, PR 00936

U.S. Environmental Protection Agency (EPA)
Caribbean Field Office
(EPA Oficina del Caribe)
Carl-Axel Soderberg
1413 Fernandez Juncos Avenue, Office 2A
Santurce, PR 00909

U.S. Fish and Wildlife Service
(Servicio de Pesca y Vida Silvestre)
Caribbean Field Office
(Oficina del Caribe)
James P. Oland/Felix Lopex
P.O. Box 491
Boqueron, PR 00622

Mayoress of Vieques
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Vieques, PR 00765

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Mayoress of Ceiba
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P.O. Box 224
Ceiba, PR 00735

Naval Station, Roosevelt Roads
Jose Negron, Regional Environmental
Coordinator
Commander Fleet Air Caribbean, Box 3037
Ceiba, PR

Community Members/Miembros de Comunidad:

Mr. Jesus Marte
Mrs. Ruth Herrera Rosario
Ms. Venus Ross
Mrs. Adelaida P. Ripoll

Ms. Melitza Perez Martinez
Mrs. Cecilia Villegas Catala
Ms. Iliá Pedraza

SECTION 5
PROBLEMS ENCOUNTERED/RESPONSE TAKEN

There were no problems encountered during this period related to the corrective action provisions of the RCRA Final Permit.

SECTION 6
PERSONNEL CHANGES

Only one change in personnel occurred during this reporting period. Ms. Linda Saksvig replaced Ms. Laurie Boucher as LANTDIV IR South Section Chief. The Navy's LANTDIV representative (Mr. Art Wells) reports to Ms. Saksvig.

SECTION 7
PLANNED WORK

There is no field work related to the corrective action provisions of the permit scheduled at this time for the next period. Work will continue on the following items:

- Comments received on the Site Characterization Report/Corrective Action Plan for the Tow Way Fuel Farm are being addressed in the RFI workplans.
- Work on a final design for Interim Corrective Measures at SWMU 11/45 will be continued.
- The recovery system at SWMU 7 will continue operations.
- Work will continue on revising the RFI workplans in accordance with EPA comments. Resubmission of these plans is presently scheduled for early September.
- Additional work will be performed as dictated by any changes in the program.

SECTION 8
REPORTS/INFORMATION

All reports or other information which would be included in this miscellaneous category have been provided separately and discussed in the appropriate earlier section.