

3/1/00-00955

Phase I Environmental Assessment at Malaria Control Building Building 64

Prepared for
**U.S. Naval Station,
Roosevelt Roads**

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Contents

<u>Section</u>	<u>Page</u>
PART I: SITE OWNERSHIP AND LOCATION.....	1
PART II: DESCRIPTION AND CHARACTERIZATION OF THE SITE.....	2
PART III: SITE HISTORY AND DESCRIPTION OF SURROUNDING LAND USES.....	7
PART IV: INVENTORY OF SENSITIVE RECEPTORS IN SITE VICINITY.....	8
PART V: DESCRIPTION OF KNOWN OR SUSPECTED RELEASES OF HAZARDOUS MATERIALS OR PETROLEUM HYDROCARBONS	9
PART VI: REFERENCES	10

EXHIBIT A

SUPPORTING DOCUMENTATION FOR ENVIRONMENTAL DUE DILIGENCE

PART 1: SITE OWNERSHIP AND LOCATION

1. Site Owners:

(a) Name: U.S. Naval Station

(b) Address: Roosevelt Roads, P.R.

2. Site Operator: Presently Unoccupied

(a) Name: NA

(b) Address: NA

3. Site Location References: (See Figure 1: Site Location Map)

(a) Address: Bldg. 64

Malaria Control Building

(b) County: NSRR, Puerto Rico

PART II: DESCRIPTION AND CHARACTERIZATION OF THE SITE

1. Physical Description of Site (See Figure 1: Site Location Map)

i. Site acreage:

Approximately 1/8 acre

ii. Estimated % of site covered by buildings and pavement:

Approximately 10% by building, no pavement located at the site.

iii. Site and building layout:

The building is situated in a south to north direction. The building is wood frame construction with corrugated metal siding and roof. The building is constructed on a concrete slab on grade and measures approximately 21 feet by 18 feet. Building 64 was built in 1942 and condemned in 1980. (Photos 1, 2 and 6)

iv. Topography and slope:

The site is located on a gentle slope (approximately 5-7% grade) from the northeast (upgradient) to the southwest (downgradient) approximately 200 feet away from Forestall Road.

v. Depth to groundwater/flow direction:*

Six (6) groundwater monitoring wells associated with SWMU 13 are located approximately 200 to 700 feet away from the site. Information on these wells and the groundwater flow direction is available in the RCRA Facility Investigation Report (RFI) for Operable Unit (OU) 1, 6, and 7.

* Unless otherwise noted, the groundwater flow direction has been inferred from a review of regional topographic data. Site specific conditions may vary due to a variety of factors, including geologic anomalies, utilities, nearby pumping wells (if present), and other developments.

vi. Surface Water and Wet Areas (including streams, rivers, ponds, etc.):

None visible

vii. Ditches/Drainage Features:

None visible

2. Brief Description of Current Use in Terms of Products Made; Processes Used; Raw Materials Employed; Chemicals and Fuels Used; and Wastes Generated, Including Waste Disposal Facilities/Locations Used:

The building is no longer in use.

3. Selected Facility Information:

(a) Septic tanks/leaching fields:

None

(b) Sanitary sewers:

Sanitary sewer line transits adjacent to the site, but no sanitary sewers are tied into Building 64.

(c) Process wastewater sewers:

None

(d) Facility water supplies (potable and process):

None

(e) Above and underground storage tanks:

None

(f) Electrical transformers/capacitors:

None

(g) Wells (active or abandoned monitoring, potable or process water supplies, injection, gas/oil):

Six groundwater monitoring wells are located approximately 200 to 700 feet away associated with SWMU 13. No monitoring wells are present at the site.

4. Observations Concerning Waste Management Practices at Site

(a) Date of site/facility inspection: 3/2/00

(b) Weather-related limitations: None

(c) Access-related limitations: None

(d) General condition of interior areas: Poor, structure condemned in 1980 (Photo3).

(i) Process areas:

None

(ii) Raw material/chemical supply areas:

Staining is evident on the wooden shelves inside the structure (Photo 5). No other staining inside the structure was observed.

(iii) Waste storage areas:

None

(iv) Floor drains, sumps:

There is a notch cut in the concrete curbing surrounding the floor of the building. This notch is approximately three (3) inches in diameter and is located in the doorway located along the southern wall of the structure (Photo 4).

(v) General condition of exterior areas:

The general condition of the exterior area is a heavily vegetated area adjacent to and surrounding the site. There is a clearing that runs adjacent to the overhead electrical line that intersects the site.

(i) Process areas:

No process areas identified

(ii) Waste storage areas:

No waste storage areas identified

(iii) Loading/unloading docks:

None

(iv) Tank fill locations:

None

(v) Catch basins:

None

(vi) Other:

None

(e) Other observations:

(i) Discolored soils:

None

(ii) Discolored water:

None

(iii) Unusual odors:

Pesticide odor noticed inside Building 64 and adjacent to the northern side of the building.

(iv) Unusual vegetative conditions:

None

PART III: SITE HISTORY AND DESCRIPTION OF SURROUNDING LAND USES

1. Description of Former Uses of Site, Including Dates Where Known, and Other Relevant Information Concerning Waste Generation, Disposal, and Underground Tanks:

Building 64 was built in 1942 and condemned in 1980. The building was utilized to store pesticides. Malathion, aldrin, and DDT were known to have been stored in the building. It is not known if stocks of pesticides were maintained in the building for the entire duration. Although no direct evidence exists, it is assumed that mixing and other preparation for pesticide use was also performed at the building. No wastes are known to have been disposed at the unit. There are no known releases related to this unit. No other use of the site was identified.

2. Description of Current and Former Uses of Properties Abutting or Adjacent to the Site, Including Relevant Information Concerning Potential Waste Generation and Underground Tanks:

SWMU 13 is located across Forrestall Road from the site. The RFI for this site has been completed and it is currently in the CM stage of the RCRA process.

PART IV: INVENTORY OF SENSITIVE RECEPTORS IN SITE VICINITY

1. **Wells/Potable Drinking Water Supplies Within a Minimum of 1,000 Feet:**
None
2. **Residences Within a Minimum of 1,000 Feet:**
None
3. **Significant Wet Areas/Surface Water Bodies Within a Minimum of 1,000 Feet:**
None
4. **Other Sensitive, Off-Site Receptors Within a Minimum of 1,000 Feet:**
None

PART V: DESCRIPTION OF KNOWN OR SUSPECTED RELEASES OF HAZARDOUS MATERIALS OR PETROLEUM HYDROCARBONS

1. Has the Subject Site Ever Been Listed on Any of the Following:

	<u>Yes</u>	<u>No</u>
(a) National Priorities List (Superfund)	—	<u>X</u>
(b) CERCLIS Data Base (of Potential Problem Site)	—	<u>X</u>
(c) State List/Inventory of Problem Sites	—	<u>X</u>

2. If the Facility or Site Has Not Been Listed in (1) Above, Has the Facility Ever Had a Release, Spill, or Leak of a Hazardous Substance or Petroleum Hydrocarbons or Has the Facility/Site Ever Been Investigated by a Governmental Agency for the Actual or Potential Presence of an On-Site Contamination

None evidence of previous investigations

3. Are There Any Sites Located Within a Minimum of 1,000 Feet of the Subject Site that are Shown on Either the National Priorities List of Federally-Designated/Proposed Superfund Sites, the U.S. EPA's CERCLIS Data Base List of Potential Problem Sites, or Any Comparable State List:

SWMU 13 is located approximately 200 feet away from this site.

PART VI: REFERENCES

1. Persons Performing the Site Investigation (name, title, responsibility):

Madeline Rivera, NSRR IRP Manager

Mark Kimes/Baker Environmental, Inc., Activity Coordinator

2. Persons Interviewed (name, title, address, phone number):

3. Reports and Documents Reviewed: **

**We have examined and relied upon the reports and documents listed above which are based on the professional expertise or knowledge of the authors thereof. We have not conducted an independent examination of facts contained in these reference materials and have assumed that the information set forth therein is true and accurate.

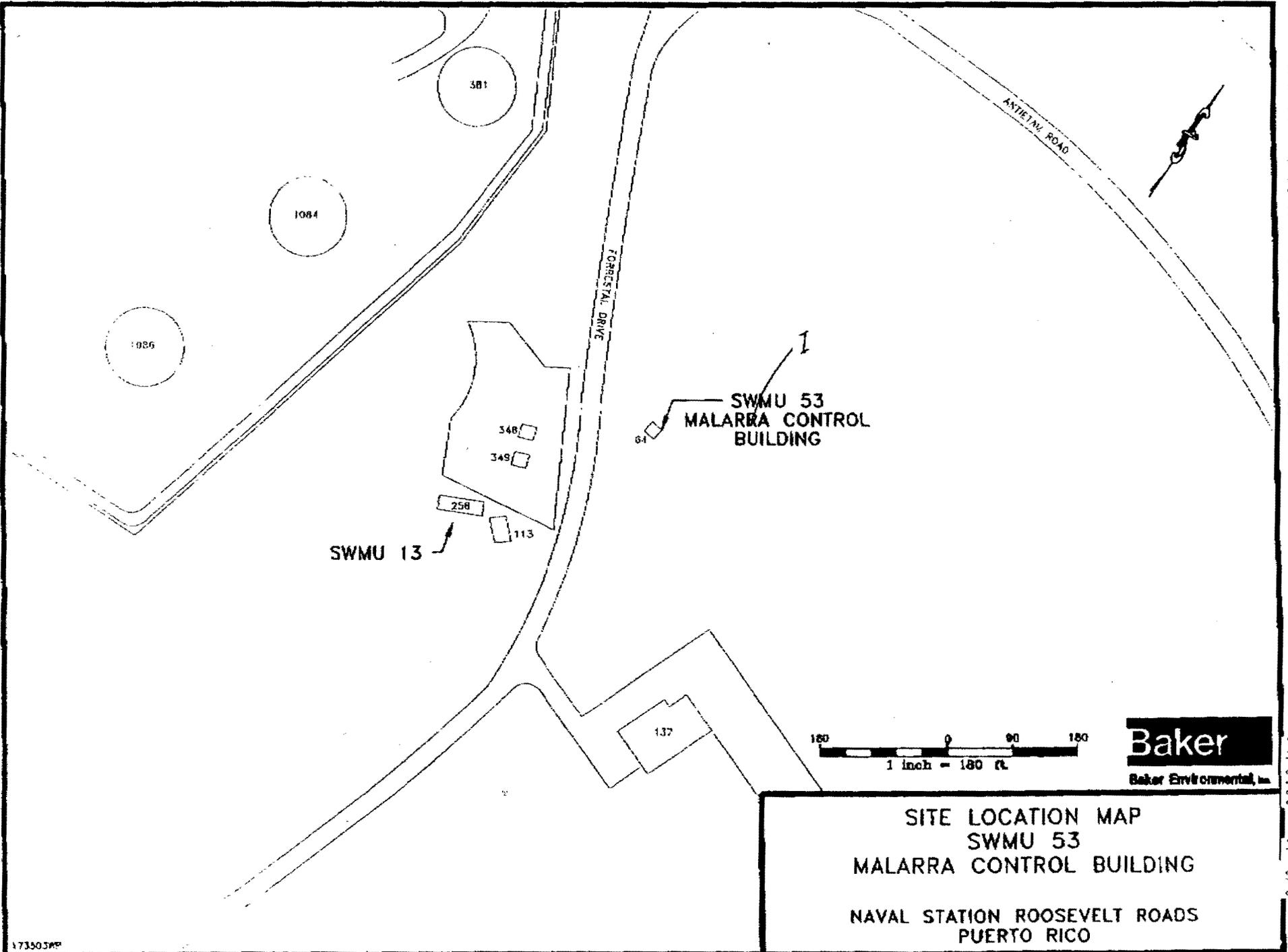
SIGNATURES AND QUALITY CONTROL REVIEW

BY: _____ DATE: _____

TITLE: _____

QUALITY CONTROL REVIEW BY: _____

TITLE: _____ DATE: _____



SITE LOCATION MAP
SWMU 53
MALARRA CONTROL BUILDING
NAVAL STATION ROOSEVELT ROADS
PUERTO RICO

EXHIBIT B
SITE PHOTOGRAPHS

Photo 1: View of Building 64 Looking South



Photo 2: View of Building 64 Looking East

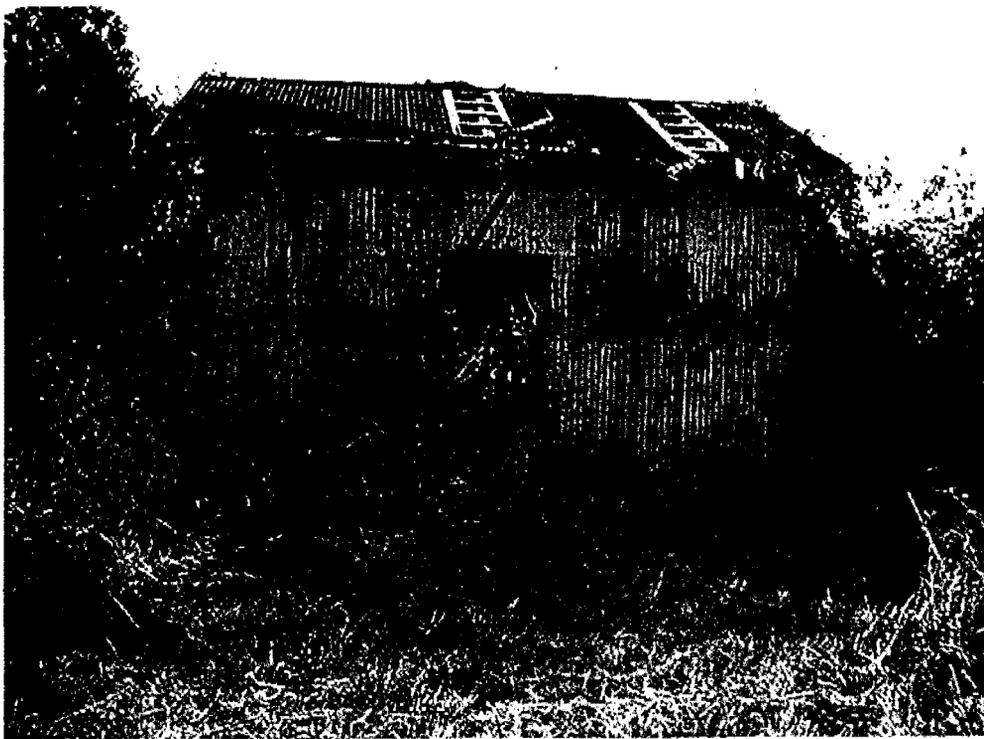


Photo 3: View of interior of Building Looking West



Photo 4: Cut out in Concrete Curbing Below Doorway



Photo 5: Staining on Interior Shelving



Photo 6: Deteriorated Condition of Eastern Wall

