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NAS BRUNSWICK
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FINAL RESOURCE CONSERVATION AND RECOVERY ACT PARTIAL CLOSURE REPORT
FOR BUILDING 57 ROTATING BEACON NAS BRUNSWICK ME
3/1/2010
TETRA TECH NUS

**RCRA PARTIAL CLOSURE REPORT
for
BUILDING 57 – ROTATING BEACON
NAVAL AIR STATION BRUNSWICK, MAINE
USEPA IDENTIFICATION NUMBER ME8170022018
MARCH 2010**

1. INTRODUCTION

The purpose of this report is to present the findings and conclusions of the investigation conducted to determine if the Maine Department of Environmental Protection (MEDEP) RCRA or hazardous waste closure requirements have been completed for Building 57, at Naval Air Station Brunswick (NAS Brunswick).

2. PROPERTY DESCRIPTION

Building 57, known as the Rotating Beacon, is a tower with beacon light that serves as an airfield location indicator to aircraft. It is located off Merriconeag Road, southeast of Building 53 (Public Works) (see Figure 1). It was constructed in 2005 and consists of an uncoated, galvanized-steel tower equipped with a top-mounted, rotating beacon light and ancillary electrical equipment. The facility, which has no associated enclosed structure, features a stationary, emergency generator located at ground level. A site plan is attached (see Figure 2). Photographs of the facility are provided as an attachment to this report.

3. PROPERTY HISTORY AND RECORDS RESEARCH

The Tetra Tech NUS, Inc. (TtNUS) project team interviewed NAS Brunswick Environmental Department personnel and performed records research at both NAS Brunswick and the MEDEP office in Augusta, Maine to collect available information concerning Building 57, including past use and operations at those locations.

According to NAS Brunswick Environmental Department personnel, since its construction in 2005, the sole use of Building 57 has been as a rotating beacon. There is no record of hazardous waste operations at Building 57.

Records reviewed include: historical aerial photographs; the NAS Brunswick Other Environmental Liabilities (OEL) Database; area-specific reports; facility plans and drawings; and hazardous operation records. Aerial photographs dated 1958, 1978, 1984, and 1989 (all produced by James W. Sewall Company) were reviewed along with Public Works Department site base maps dated 1946, 1952, 1956, 1962, 1983, 1989, and 2006 to provide historical information.

The review of aerial photos and site base maps did not show any buildings or structures previously located at or near the current Building 57 position. The Fire Training Area north of Old Gurnet Road, is visible on the aerial photographs beginning in 1958. The Defense Reutilization and Marketing Office (DRMO) area, is visible to the west of the Building 57 footprint from 1978 and on in aerial photographs.

According to the NAS Brunswick transformer database, no transformers are associated with Building 57. No underground storage tanks (USTs) were associated with Building 57. One 100-gallon diesel above ground tank (A57.0) is present at Building 57 to fuel the emergency diesel generator.

4. SITE VISIT AND INVESTIGATION

A Building 57 site visit was conducted by Mr. Brandon Smith, P.E., Mr. James Forrelli, P.E., Ms. Mindi Messmer and Ms. Chelsea Fellows-Swenson, of TtNUS on January 21, 2010. The purpose

of the visit was to verify information gathered during the records search and to collect additional information as necessary to prepare this closure report. Tetra Tech personnel were accompanied by Mr. D. Bruce Smith, the NAS Brunswick Hazardous Waste Manager. The Building 57 location was visually inspected for signs of hazardous waste generation or storage activity. Site visit observations, recorded on the attached Building Inspection Form⁽¹⁾, are summarized below:

- At the time of inspection, Building 57 was in excellent condition.
- No evidence of current or past hazardous waste generation activities was observed.
- No evidence of hazardous waste residues was observed.
- No signs of a past release (staining, unusual odors, etc.) were observed and no structural modifications, which could conceal signs of a past release, were observed.
- No hazardous waste storage areas or hazardous waste accumulation areas were observed.
- No transformers that could be a potential source of PCB contamination in the event of a leak were observed.

Based on the records research findings and site visit observations, it was determined that neither further inspection nor sampling of Building 57 is required to complete the MEDEP hazardous waste closure requirements.

5. HAZARDOUS WASTE GENERATION AND STORAGE

Based on the records research, site visit observations, and NAS Brunswick Environmental Department personnel interviews, no hazardous waste generation activity or hazardous waste accumulation or storage activity was conducted at Building 57.

6. OTHER ENVIRONMENTAL CONSIDERATIONS

No underground storage tanks or above ground storage tanks, except the AST described in Section 3, were observed in the immediate vicinity of Building 57.

7. LIMITATIONS

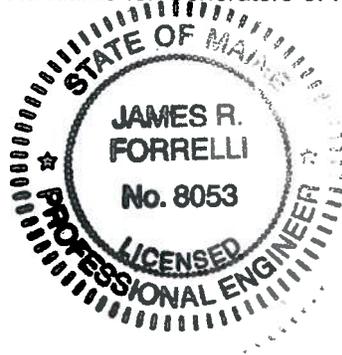
This investigation of the hazardous waste closure requirement applies to the Building 57 footprint (as shown on Figure 2) only. It does not apply to the land surrounding or the groundwater underlying Building 57.

8. CERTIFICATION

Based on the findings of this investigation, there have been no activities resulting in the generation, accumulation or storage of hazardous waste at Building 57, NAS Brunswick, Maine. Therefore, the hazardous waste closure of Building 57 was completed in accordance with the provisions of MEDEP Regulations Chapter 851, Standards for Generators of Hazardous Waste, Section 11.



James Forrelli, P.E.
Senior Project Engineer
Tetra Tech NUS, Inc.



⁽¹⁾ The Building Inspection Form provides preliminary information collected during the building inspection, including information from visual observations, Navy personnel interviews, and from documents reviewed during file reviews. It does not reflect any additional information provided at a later date that further clarifies or corrects preliminary information collected during the building inspection and file reviews.

REFERENCES

James W. Sewall Company, 1958. NAS Brunswick Aerial Photographs. James W. Sewall Company, Old Town, ME. October 9, 1958.

James W. Sewall Company, 1978. NAS Brunswick Aerial Photographs. James W. Sewall Company, Old Town, ME. November 22, 1978.

James W. Sewall Company, 1984. NAS Brunswick Aerial Photographs. James W. Sewall Company, Old Town, ME. April 23, 1984.

James W. Sewall Company, 1989. NAS Brunswick Aerial Photographs. James W. Sewall Company, Old Town, ME. April 2, 1989.

Master/Historical Underground Storage Tank Inventory. NAS Brunswick, Maine. 02/05/96.

Public Works Department, 1946. "Map of US Naval Air Station, Brunswick, Maine, Showing conditions on June 30, 1946," NAS Brunswick, Maine. June 30, 1946.

Public Works Department, 1952. "Map of US Naval Air Station, Brunswick, Maine, Showing conditions on June 30, 1952," NAS Brunswick, Maine. June 30, 1952.

Public Works Department, 1956. General Station Map, Enclosure 2. , NAS Brunswick, Maine. 1956.

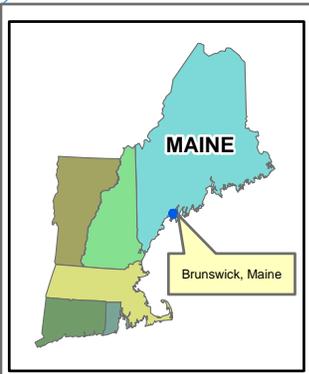
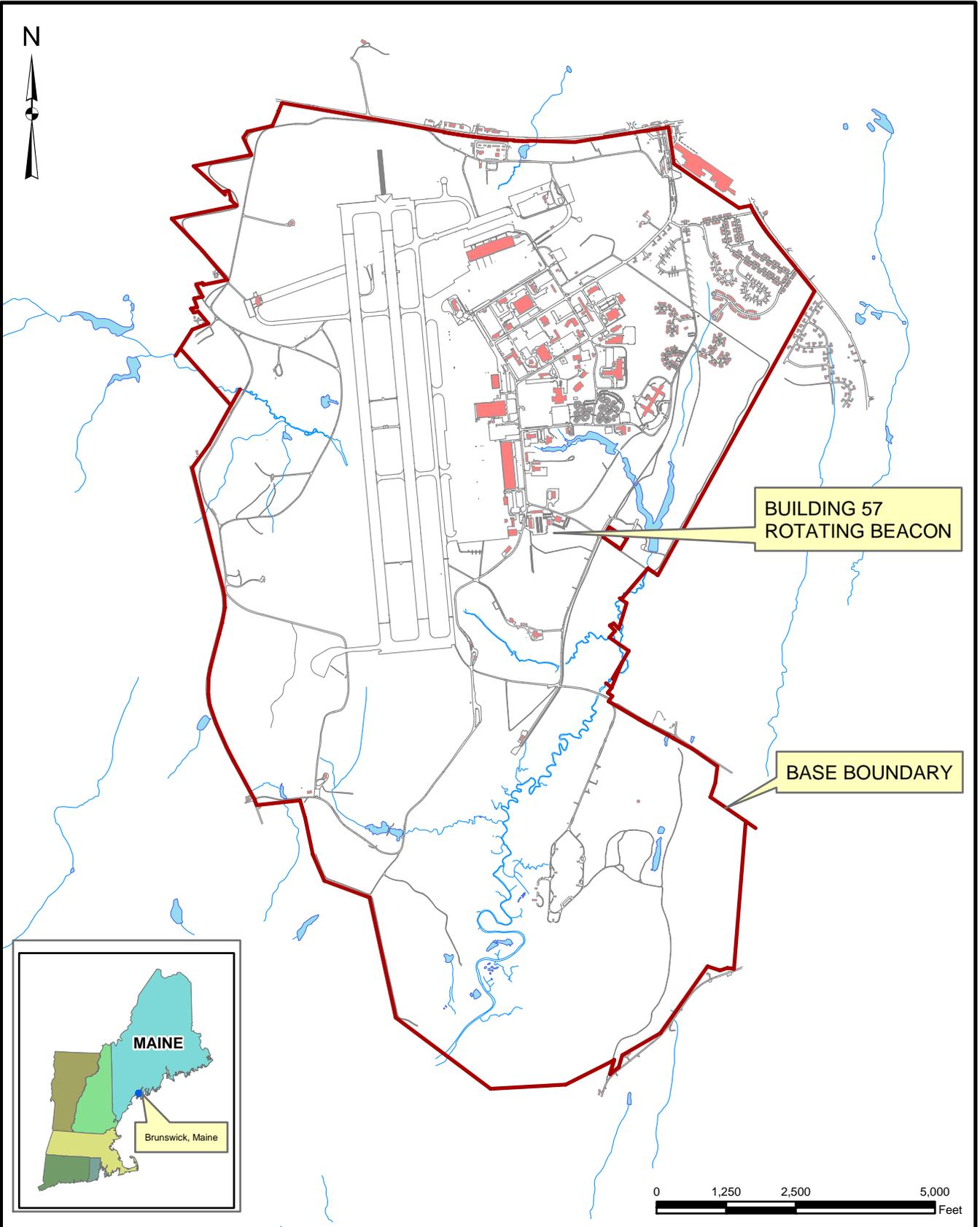
Public Works Department, 1962. "Map of Streets," US Naval Air Station, Brunswick, Maine, NAS Brunswick, Maine. 1962.

Public Works Department, 1983. "Existing Conditions Map. Public Works Department Drawing No. 2157" NAS Brunswick, Maine. May 5, 1983.

Public Works Department, 1989. "Existing Conditions Map. Public Works Department Drawing No. 2157" NAS Brunswick, Maine. Revised April 2, 1989.

Public Works Department, 2006. Brunswick Naval Air Station, NAS Brunswick, Maine. 2006.

Public Works Department. 2010. Transformer Database. NAS Brunswick, Maine. 2010.



Tetra Tech NUS, Inc.

SITE LOCATION MAP
 BUILDING 57 - ROTATING BEACON
 RCRA PARTIAL CLOSURE REPORT
 NAVAL AIR STATION BRUNSWICK, MAINE

SCALE AS NOTED	
FILE I:_NASB_BLDG_57_LOCUS.MXD	
REV 0	DATE 03/10/10
FIGURE NUMBER 1	



SITE LOCATION MAP
 BUILDING 57 - ROTATING BEACON
 RCRA PARTIAL CLOSURE REPORT
 NAS BRUNSWICK, MAINE

SCALE AS NOTED	
FILE \\.\NASB_BLDG_57_ORTHO.DWG	
REV 0	DATE 02/03/10
FIGURE NUMBER FIGURE NO. 2	

**BUILDING INSPECTION FORM
RCRA PARTIAL CLOSURE PROGRAM
NAS BRUNSWICK
BRUNSWICK, MAINE
CTO WE22**

Inspection Date: 1/21/2010

Personnel: James Forrelli, P.E. / Brandon Smith, P.E. / Chelsea Fellows-Swenson / Mindi Messmer

Weather: Clear, 20s

GENERAL BUILDING INFORMATION / USES

Building Name: Rotating Beacon
Function: Rotating Beacon
Size: Unknown
Year of Construction: 2005

Building 57 is located off Merriconeag Road, southeast of Building 53 (Public Works) at NAS Brunswick. It was constructed in 2005 and served as a rotating beacon for its entire history. Building 57 consists of a steel tower with a rotating beacon light on top with an emergency generator.

Building 57 was used as a rotating beacon light. Building 57 contains no interior space.

No hazardous waste was generated during the operations in Building 57, according to NASB personnel.

Building 57 is not heated.

BUILDING INSPECTION / CONDITION

No record of hazardous waste stored at Building 57.

At the time of the site visit, the tower appeared in excellent condition.
No evidence of current or past hazardous waste generation activities was observed.
No evidence of hazardous waste residues was observed.
No signs of a past release (staining, unusual odors, stressed vegetation, etc.) were observed. No modifications to the structure, which may conceal signs of a past release, were observed.
No hazardous waste storage areas or hazardous waste accumulation areas were observed.
No transformers that could be a potential source of polychlorinated biphenyls (PCBs) contamination in the event of a leak were observed.

HAZARDOUS WASTE STORED / GENERATED

No hazardous waste was stored or generated at Building 57, according to NASB personnel.

POTENTIAL PCB-CONTAINING TRANSFORMERS

No potential PCB-containing transformers were identified during the site inspection or review of the NASB transformer database.

APPLICABLE REPORTS / DOCUMENTS

Available historical plans and aerial photos were reviewed for past property uses:

- 1946 plan - Location of Building 57 is outside the base boundary.
- 1952 plan - Same as 1946 plan
- 1956 plan - No buildings are present in the current location of Building 57.
- 1958 aerial - Site 11 - Fire Training area seen across the street. A number of trailer buildings are present.
- 1962 plan - Only shows the industrial area north of Building 57 location.
- 1978 aerial - Buildings to west of Building 57 location, believed to be former DRMO area (Site 13). Area clear at Building 57 location.
- 1983 plan - No buildings are present in the current location of Building 57.
- 1984 aerial - Similar buildings as 1978 aerial.
- 1989 plan - same as 1983 plan.
- 1989 aerial - same as 1984 aerial.
- 1993 aerial - same as 1989 aerial
- 2006 plan - Building 57 in current location.

No USTs were present at Building 57 according to NASB records.

One 100 gallon diesel AST (A57.0) is present at Building 57 to fuel the emergency diesel generator.

HAZARDOUS WASTE STORAGE RECORDS

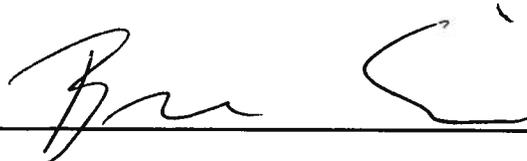
No hazardous waste was historically stored at Building 57, according to NAS Brunswick Hazardous Waste Manager, D. Bruce Smith.

MISCELLANEOUS NOTES

Tetra Tech personnel were accompanied on the inspection by D. Bruce Smith, NAS Brunswick Hazardous Waste Manager.

(SEE ATTACHED PHOTOGRAPHS)

INSPECTOR SIGNATURE:



Brandon Smith, P.E.

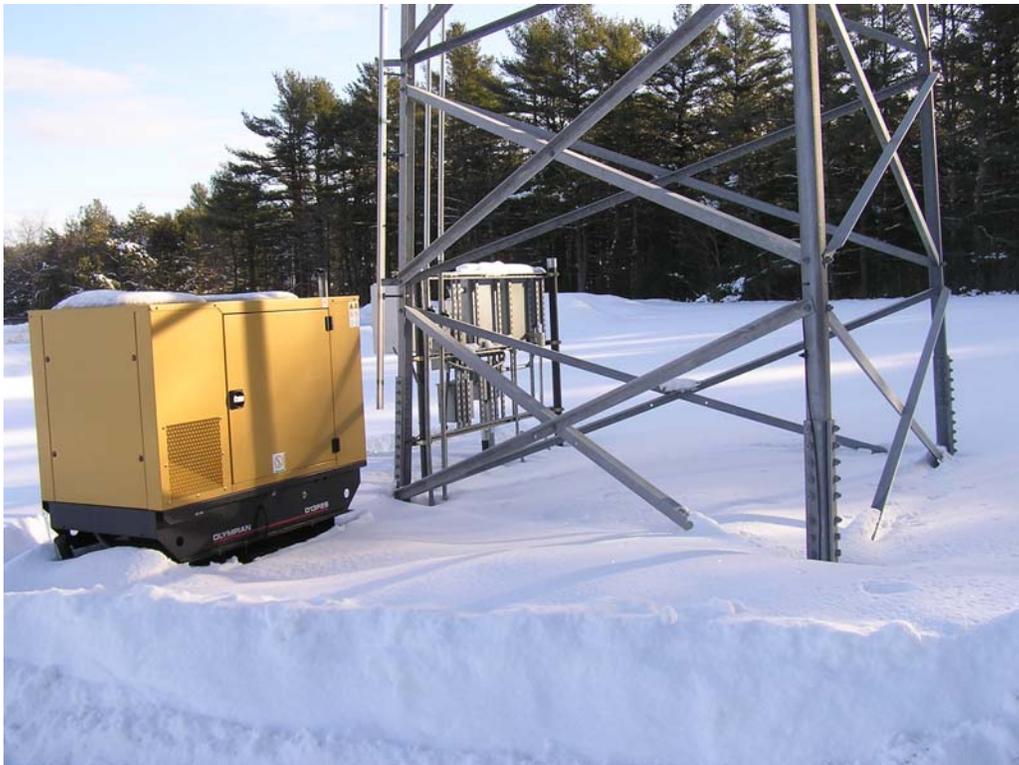
PHOTOGRAPHS



No. 1
Building 57 – Rotating Beacon

Building 57 – NAS Brunswick

January 21, 2010



No. 2
Building 57 – Rotating Beacon tower base and emergency generator

Building 57 – NAS Brunswick

January 21, 2010