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NAS BRUNSWICK
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FINAL RESOURCE CONSERVATION AND RECOVERY ACT PARTIAL CLOSURE REPORT
FOR BUILDING 604 WITH TRANSMITTAL LETTER NAS BRUNSWICK ME
5/18/2010
NAS BRUNSWICK

**ENVIRONMENTAL DEPARTMENT
NAVAL AIR STATION
437 HUEY DRIVE
BRUNSWICK, ME 04011**

May 18, 2010

Mr. Edward Vigneault
Maine Department of Environmental Protection
Division of Oil and Hazardous Waste Facilities Registration
17 State House Station
Augusta, ME 04333-0017

Subj: Final RCRA Partial Closure Report for Building 604

Dear Mr. Vigneault:

A copy of the Final RCRA Partial Closure Report for Building 604 at Naval Air Station Brunswick is provided as Enclosure (1).

If you have any questions, please contact Mr. Mike Fagan at 921-1717 or via e-mail at michael.fagan1@navy.mil.

Sincerely,



FOR LISA M. JOY
Environmental Director

Enclosure: (1) Final RCRA Partial Closure Report for Building 604

Copy to:
NAVFAC Mid-Atlantic (B. Abraham)
NAS Brunswick (M. Fagan/D. Smith)
EPA Region I (M. Daly)
MRRA (V. Boundy)
Curtis Memorial Library (L. Oliver)
Lepage Environmental (C. Lepage)
BRAC PMO NE (P. Burgio)

RCRA PARTIAL CLOSURE REPORT
for
BUILDING 604 – COMMUNICATIONS BUNKER
NAVAL AIR STATION BRUNSWICK, MAINE
USEPA IDENTIFICATION NUMBER ME8170022018
MAY 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) Resource Conservation and Recovery Act (RCRA) or hazardous waste closure requirements have been completed for Building 604 at Naval Air Station Brunswick (NAS Brunswick).

2. PROPERTY DESCRIPTION

Building 604, known as the Communications Bunker, is located southeast of the intersection of Orion Street and Fitch Avenue in the north-central portion of NAS Brunswick (see Figure 1). Building 604 was used as a Communications Bunker for the Navy Marine Corps Intranet. The construction date is unknown; however, based upon review of historical site plans and aerial photographs, it appears that the building was constructed sometime between 1989 and 1993. The one-room building consists of a 120 square-foot, one-story structure on a concrete slab foundation. A site plan is provided as Figure 2. Building 604 is unheated and has no electrical service. Photographs of Building 604 are provided in the attachment.

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 604 including past use and operations at that location.

According to NAS Brunswick Environmental Department personnel, since its construction, the sole use of Building 604 has been as the Communications Bunker. There is no record of hazardous waste generation at Building 604.

Records reviewed include: historical aerial photographs; the NAS Brunswick Other Environmental Liabilities (OEL) Database; area-specific reports; facility plans and drawings; and hazardous waste records. Aerial photographs dated 1958, 1978, 1981, 1984, 1989, 1993 and 1997 (all produced by James W. Sewall Company) were reviewed along with Public Works Department site base maps dated 1943, 1946, 1952, 1956, 1957, 1983, 1989, 2004 and 2006 to provide historical information.

Building 604 does not appear on available historical site plans or aerial photographs prior to 1993. Historic site plans and aerial photographs between 1943 and 1981 show former Buildings 7 and 10 north and southeast, respectively of the current location of Building 604. Former Hangar 1 is shown across Orion Street to the west of the current location of Building 604 on the 1943 historic plan. Plans for 1946 through 1952 indicate that "Pump and Tanks" were located adjacent to the current Building 604 location. Former Buildings 7 and 10 are not shown on the 1983 historic plan however, the current Building 225 is shown to the south. Current Building 9 is shown on plans beginning in 1993 along with Building 604.

According to the NAS Brunswick database, no transformers are associated with Building 604 (PWD, 2010).

No underground storage tanks (USTs) or above ground storage tanks (ASTs) have been utilized at Building 604 according to NAS Brunswick records (Environmental Department, 2009). No accidental releases were identified in the NAS Brunswick or MEDEP spill records relating to Building 604.

4. SITE VISIT AND INVESTIGATION

A site visit was conducted by Mr. Brian Geringer, Ms. Mindi Messmer and Mr. James Forrelli, P.E. of TtNUS. The purpose of these visits was to verify information gathered during the records search and to collect additional information as necessary to prepare this RCRA Partial Closure Report. TtNUS personnel were accompanied by Mr. D. Bruce Smith, the NAS Brunswick Hazardous Waste Manager. The Building 604 location was visually inspected for signs of hazardous waste generation or storage. Photographs taken during the site visit are provided in Attachment A. Site visit observations, recorded on the attached Building Inspection Form ⁽¹⁾, are summarized below:

- The building was empty at the time of the site visit and appeared in good condition.
- No evidence of current or past hazardous waste generation was observed.
- No evidence of hazardous waste residues was observed.
- No signs of a past release (staining, unusual odors, etc.) or structural modifications that could conceal signs of a past release were observed.
- No hazardous waste storage or accumulation areas were observed.
- No potential PCB-containing transformers were identified during the site inspection.

Based on the records research findings and site visit observations, it was determined that neither further inspection nor sampling of Building 604 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, with the exception of universal waste, no hazardous waste generation, hazardous waste accumulation, or hazardous waste storage was conducted at Building 604.

6. OTHER ENVIRONMENTAL CONSIDERATIONS

No USTs or ASTs have been utilized at Building 604 according to NAS Brunswick records. No tanks were observed in the immediate vicinity of Building 604.

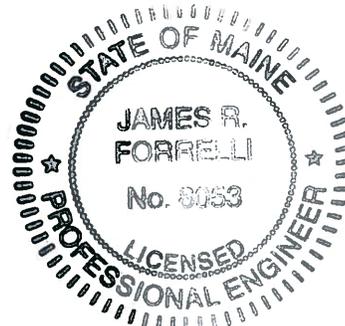
7. LIMITATIONS

This investigation of the hazardous waste closure requirement applies to the Building 604 footprint (as shown on Figure 2) only. It does not apply to the land surrounding or the groundwater underlying Building 604.

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 the Building 604, NAS Brunswick, Maine. Therefore, the hazardous waste closure of Building 604 was completed in accordance with the provisions of MEDEP Regulations Chapter 851, Standards for Generators of Hazardous Waste, Section 11.

James R. Forrelli
 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 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

Environmental Department, 2009. Master/Historical Aboveground and Underground Storage Tank Inventory. NAS Brunswick, Maine. February.

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, 1981. NAS Brunswick Aerial Photographs. James W. Sewall Company, Old Town, ME. 1981.

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.

James W. Sewall Company, 1993. NAS Brunswick Aerial Photographs. James W. Sewall Company, Old Town, ME. November 8, 1993.

James W. Sewall Company, 1997. NAS Brunswick Aerial Photographs. James W. Sewall Company, Old Town, ME. May 1997.

BNAS Reuse Master Plan Property Condition Assessment. Mid-Coast Regional Redevelopment Authority, Brunswick, ME. 2006.

Public Works Department (PWD),1943. "Building Site Plan Showing Location of Underground Water Distribution Lines and Hydrants," US NAS Brunswick, Maine. September 4, 1943.

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

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

PWD, 1956. General Station Map, Enclosure 2. , NAS Brunswick, Maine. 1956.

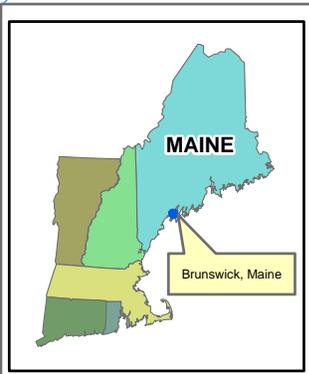
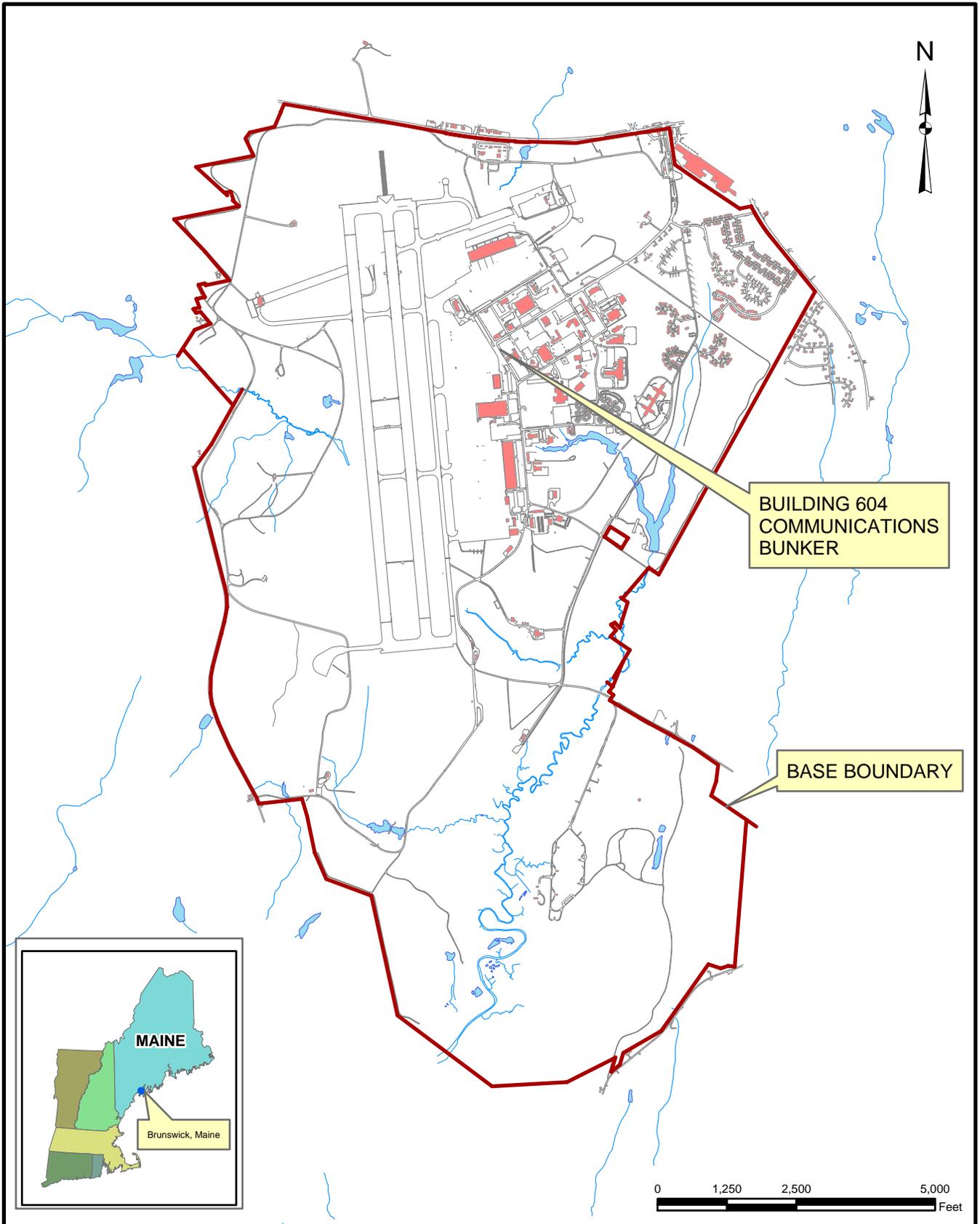
PWD, 1957. "Map of US Naval Air Station, NAS Brunswick, Maine. 1957.

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

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

PWD, 2006. Brunswick Naval Air Station, NAS Brunswick, Maine. 2006.

PWD. 2010. Transformer Database. NAS Brunswick, Maine. 2010.



Tetra Tech NUS, Inc.

SITE LOCATION MAP
 BUILDING 604 - COMMUNICATIONS BUNKER
 RCRA PARTIAL CLOSURE REPORT
 NAVAL AIR STATION BRUNSWICK, MAINE

SCALE AS NOTED	
FILE I:\NWSB_BLDG_103_LOCUS.MXD	
REV 0	DATE 05/04/10
FIGURE NUMBER 1	



Building Corner	Northing	Easting
North	387480.038	3014859.541
East	387462.967	3014869.745
South	387456.328	3014857.642
West	387473..540	3014847.340

Coordinates are in NAD 1983, Maine West, Feet



TETRA TECH NUS, INC.

SITE PLAN
BUILDING 604 – COMMUNICATIONS BUNKER
RCRA PARTIAL CLOSURE REPORT
NAS BRUNSWICK, MAINE

SCALE
AS NOTED

FILE
\\NASB_BLDG_604_ORTHO.DWG

REV	DATE
0	05/14/10

FIGURE NUMBER
FIGURE NO. 2

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

Inspection Date: 4/27/2010
Personnel: James Forrelli, P.E. / Mindi Messmer / Brian Geringer
Weather: Rainy, 40's

GENERAL BUILDING INFORMATION / USES

Building Name: Communications Bunker
Function: Communications Switching and Controls
Size: 120 SF
Year of Construction: between 1989 and 1993

Building 604 is located southeast of the intersection of Orion Street and Fitch Avenue. The building was identified in 2008 and the construction date is unknown. Building 604 consists of a 120 square-foot, concrete pre-fabricated building installed on a concrete slab.

Building 604 is used as a control building for communications equipment.

No hazardous waste was generated during the operations in Building 604, according to NASB personnel.

Building 604 is unheated.

BUILDING INSPECTION / CONDITION

No record of hazardous waste stored at Building 604.

The building was not occupied at the time of the site visit and appeared in good condition. The interior was empty.

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 604, 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:

1943 plan - The immediate area of Building 604 appears undeveloped however Building 7 is located north and Building 10 is located southeast of the current Building 604. Hangar 1 is shown directly southeast of current Building 604 location across Orion Street.

1946 plan - Same as 1943 plan except plan lists "Pump and Tanks" northeast of the current Building 604 location.

1952 plan - same as 1946 plan.

1956 plan - same as 1952 plan except "Pumps and Tanks" text is not shown.

1957 plan - same as 1956 plan.

1958 aerial - two buildings are shown directly across Orion Street to the northeast of Hangar 1 adjacent to the current location of Building 604. An additional building is visible in the approximate location of Building 225 to the southeast of the current location of Building 604.

1962 plan - same as 1957 plan.

1978 aerial - same as 1958 aerial.

1981 aerial - same as 1978 aerial.

1983 plan - Buildings 7 and 10 are gone. Building 225 is shown in the approximate former location of Building 10 and Building 233 is shown across Fitch Avenue to the north.

1984 aerial - same as 1978 aerial.

1989 plan - same as 1983 plan.

1989 aerial - same as 1984 aerial.

1993 aerial - Building 604 is shown in current location with parking areas directly to the east. Building 9 is shown directly across Fitch Avenue to the north of Building 604.

1997 aerial - same as 1993 aerial.

2004 plan - same as 1989 plan except Building 604 is shown in current location but not labeled.

2006 plan - same as 2004 plan except Building 233 is not shown. Parking areas are shown directly east and

No USTs or ASTs were observed at Building 604.

HAZARDOUS WASTE STORAGE RECORDS

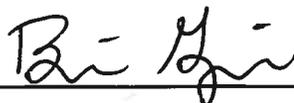
No hazardous waste was historically stored at Building 604, according to NAS Brunswick Hazardous Waste

MISCELLANEOUS NOTES

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

(SEE ATTACHED BUILDING FLOOR PLAN AND PHOTOGRAPHS)

INSPECTOR SIGNATURE:



Brian Geringer

PHOTOGRAPHS



No. 1 Building 604 – NAS Brunswick April 27, 2010
Building 604 - Communications Bunker exterior southwest elevation showing entrance



No. 2 Building 604 – NAS Brunswick April 27, 2010
Building 604 - Communications Bunker interior