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NAS BRUNSWICK  
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FINAL RESOURCE CONSERVATION AND RECOVERY ACT PARTIAL CLOSURE REPORT  
FOR BUILDINGS 65 AND 613 WITH TRANSMITTAL LETTER NAS BRUNSWICK ME  
12/7/2010  
NAS BRUNSWICK

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

December 7, 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

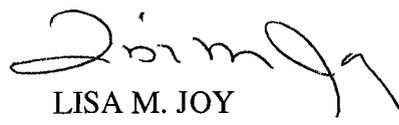
Subj: Final RCRA Partial Closure Report for Buildings 65 and 613

Dear Mr. Vigneault:

A copy of the Final RCRA Partial Closure Report for Buildings 65 and 613 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](mailto:michael.fagan1@navy.mil).

Sincerely,

  
LISA M. JOY  
Environmental Director

Enclosure: (1) Final RCRA Partial Closure Report for Buildings 65 and 613

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 65 – PICNIC SHELTER**  
**BUILDING 613 – PICNIC AREA TOILET**  
**NAVAL AIR STATION BRUNSWICK, MAINE**  
**USEPA IDENTIFICATION NUMBER ME8170022018**  
**DECEMBER 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 Buildings 65 and 613 at Naval Air Station Brunswick (NAS Brunswick).

## 2. PROPERTY DESCRIPTION

Buildings 65 and 613 are located in the eastern portion of NAS Brunswick (Figure 1). The general location and physical description of the two buildings are summarized below. Photographs of the buildings are provided as an attachment to this report.

The investigation conducted under this report applies only to the building footprints of Buildings 65 and 613 (as shown on Figure 2). The Picnic Pond and Eastern Plume Parcel RCRA Partial Closure Report addresses the land surrounding and the groundwater underlying Buildings 65 and 613 (the location of the Eastern Plume is shown in Figure 2).

### Building 65 – Picnic Shelter

Building 65 consists of four picnic shelters located in a wooded area immediately west of the southern portion of Picnic Pond. A baseball field and Purinton Road are to the south and west, and Building 613 (Picnic Area Toilet) and the New Meadows Cemetery (not shown on Figure 2) is west of the Building 65 structures. Merriconeag Road runs approximately north-south in this area, with two shelters to the west and two shelters to the east of the road. Constructed in 1986, Building 65 consists of four wood-construction picnic shelters that are open-sided structures on concrete slab foundations. Together, the four picnic shelters total 3,380 square feet. The largest shelter is located immediately east of Building 613 and contains picnic tables. A grill constructed of brick and concrete is located in a smaller shelter immediately east of the large shelter. The two smallest shelters, located east and southeast of the large shelter, also contain picnic tables. The four Building 65 picnic shelters are open-sided structures and are not heated.

### Building 613 – Picnic Area Toilet

Building 613, Picnic Area Toilet, is also located in the wooded area west of the southern portion of Picnic Pond. It is approximately 75 feet west of the largest (westernmost) Building 65 picnic shelter. Building 613 was constructed in 1966 and consists of a 150-square-foot, single-story, wood-framed structure on a concrete slab foundation. The building interior is comprised of three rooms including two restrooms and a utility room. The building is not heated.

## 3. PROPERTY HISTORY AND RECORDS RESEARCH

The Tetra Tech NUS, Inc. (Tetra Tech) 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 Buildings 65 and 613, including past use and operations at that location.

Records reviewed include historical buildings lists, aerial photographs, maps, 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 (Sewall, 1958, 1978, 1981, 1984, 1989, 1993 and 1997) were reviewed along with Public Works Department (PWD) site base maps dated 1943, 1946, 1952, 1956, 1957, 1975, 1989, and 2006 (PWD, 1943, 1946, 1952, 1956, 1957, 1975, 1989, and 2006) to provide historical information.

Available building lists, maps, and other reviewed documents confirmed the use of Buildings 65 and 613 as picnic shelters and a picnic area toilet since their construction in 1986 and 1966, respectively.

On historical site plans and aerial photographs dated 1943 to 1957, the area is shown as an undeveloped, wooded area, with Picnic Pond to the east and the New Meadows Cemetery to the west. Beginning with the 1957 aerial photograph, an athletic field is shown to the south. The 1978 historical site plan shows the area as a picnic area. Beginning with the 1984 aerial photograph, dirt roads are visible within the wooded area where the Building 65 structures are currently located, and Building 613 is visible. In the 1989 aerial photograph, the southernmost Building 65 picnic shelter structure is visible, with the remaining three obscured by tree-cover. No changes to the area are observed after 1989.

#### Building 65

According to NAS Brunswick Environmental Department personnel, the Building 65 structures were used as picnic shelters since their construction in 1986.

According to MEDEP and NAS Brunswick spill records, no spills were reported in the vicinity of Building 65 (Environmental Department, 1988; Environmental Department 1999; and MEDEP, 2010). There is no record of hazardous waste generation at Building 65 (Environmental Department, 2010).

The NAS Brunswick Removed Transformer Database lists no polychlorinated-biphenyl (PCB)-containing electrical transformers associated with Building 65 (PWD, 2010).

The NAS Brunswick Aboveground Storage Tank (AST) and Underground Storage Tank (UST) inventory records for Building 65 indicate no ASTs or USTs have been associated with the building (Environmental Department, 2009).

No oil-water separators (OWS) were associated with Building 65 (Navy, 2006).

#### Building 613

Building 613 has been used as a sanitary facility since its construction in 1966, according to NAS Brunswick Environmental Department personnel.

MEDEP and NAS Brunswick spill records list no spills reported in the vicinity of Building 613 (Environmental Department, 1988; Environmental Department 1999; and MEDEP, 2010). There is no record of hazardous waste generation at Building 613 (Environmental Department, 2010).

The NAS Brunswick Removed Transformer Database lists no PCB-containing electrical transformers associated with Building 613 (PWD, 2010).

No ASTs or USTs have been associated with Building 613, based on the NAS Brunswick AST and UST inventory records (Environmental Department, 2009).

No oil-water separators (OWS) were associated with Building 613 (Navy, 2006).

According to NAS Brunswick wastewater plans, a septic tank is located south of Building 613, with the associated leach field to the west of the septic tank.

#### **4. SITE VISIT AND INVESTIGATION**

A site visit was conducted for Buildings 65 and 613 on November 11, 2010 by Mr. Brandon Smith, P.E., and Mr. Brian Geringer of Tetra Tech. 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 buildings were visually inspected for signs of hazardous waste generation or storage. Site visit observations, recorded on the attached Building Inspection Form <sup>(1)</sup>, are summarized below:

##### Building 65

- At the time of inspection, the Building 65 picnic shelters were vacant and in fair condition. Picnic tables and a large concrete grill were present.
- No evidence of current or past hazardous waste generation activities 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 peeling or flaking paint was observed on the exterior or interior of the structures that comprise Building 65.

##### Building 613

- At the time of inspection, Building 613 was vacant and in fair condition.
- No evidence of current or past hazardous waste generation activities 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 peeling or flaking paint was observed on the exterior or interior of the building.

Based on the records research findings and site visit observations, it was determined that neither further inspection nor sampling of Buildings 65 or 613 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 occurred at Buildings 65 or 613.

#### **6. OTHER ENVIRONMENTAL CONSIDERATIONS**

As discussed in Section 3, no transformers, USTs, or ASTs are known to be associated with Buildings 65 or 613. No tanks were observed in the immediate vicinity of these two buildings.

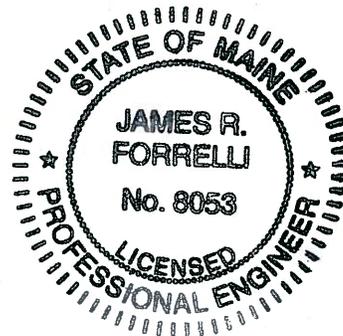
## 7. LIMITATIONS

This investigation of the hazardous waste closure requirement applies to the footprints of Buildings 65 and 613 (as shown on Figure 2), only. It does not apply to the land surrounding or the groundwater underlying Buildings 65 or 613.

## 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 Buildings 65 and 613, NAS Brunswick, Maine. Therefore, the hazardous waste closure of Buildings 65 and 613 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.



<sup>(1)</sup> 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

Environmental Department, 1988. Environmental Incident Log - Book No. 1, July 1988-November 1999, Naval Air Station Brunswick Environmental Department, Brunswick, Maine.

Environmental Department, 1999. Environmental Incident Log - Book No. 2, December 1999-July 2005, Naval Air Station Brunswick Environmental Department, Brunswick, Maine.

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

Environmental Department, 2010. Hazardous Waste Database, Naval Air Station Brunswick Environmental Department, Brunswick, Maine.

MEDEP (Maine Department of Environmental Protection), 2010. Spills Report Master List. Maine Department of Environmental Protection, Augusta, Maine. Updated November 1.

Navy 1950. "Available for Lease, U.S. Naval Air Station, Brunswick, Maine." Headquarters, First Naval District, Boston, Massachusetts, May 24.

Navy, 2006. Environmental Condition of Property Report for the Naval Air Station Brunswick, Maine, Base Realignment and Closure Program Management Office. May 30.

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

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

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

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

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

PWD, 1965. "Index of Structures, U.S. Naval Air Station, Brunswick, Maine." May 13.

PWD, 1966. "Building and Structure List, U.S. Naval Air Station, Brunswick, Maine." January 1.

PWD, 1975. General Development, Existing and Planned, Operations Area, US Naval Air Station, Brunswick, Maine.

PWD, 1976. "Index of Structures, Naval Air Station, Brunswick, Maine." September 21.

PWD, 1979. ""Existing Conditions Map. Operations Area" US Naval Air Station, Brunswick, Maine. June 12.

PWD, 1983. "Existing Conditions Map. Operations Area, Public Works Department Drawing No. 2156," NAS Brunswick, Maine. May 5.

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

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

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

Sewall (James W. Sewall Company), 1958. NAS Brunswick Aerial Photographs. James W. Sewall Company, Old Town, Maine. October 9.

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

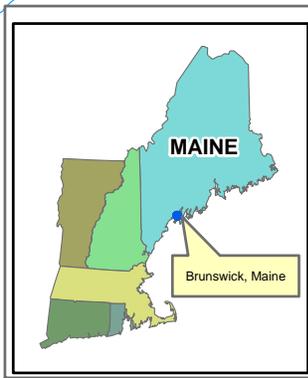
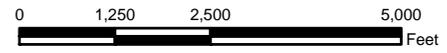
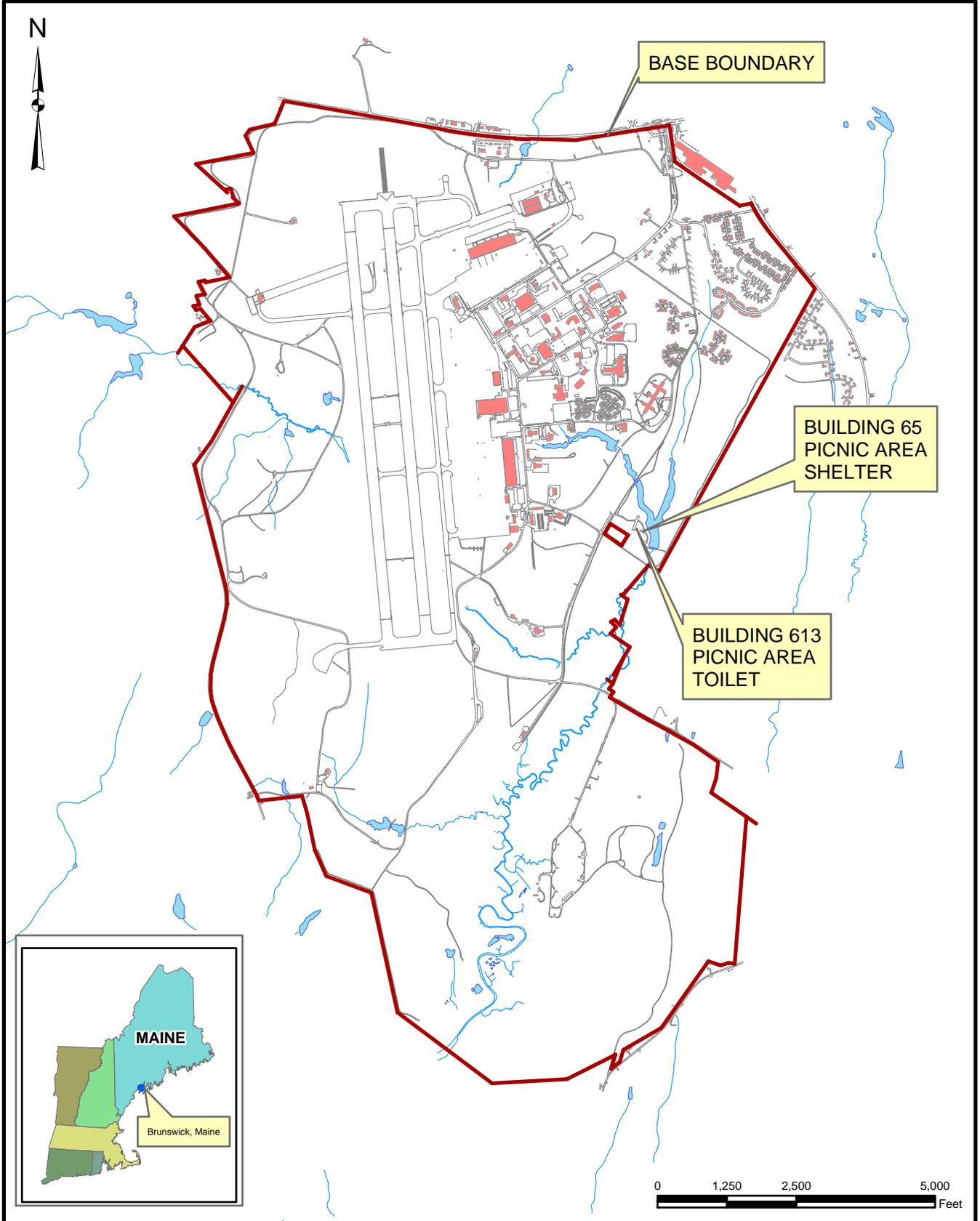
Sewall, 1981. NAS Brunswick Aerial Photographs. James W. Sewall Company, Old Town, Maine. October 17.

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

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

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

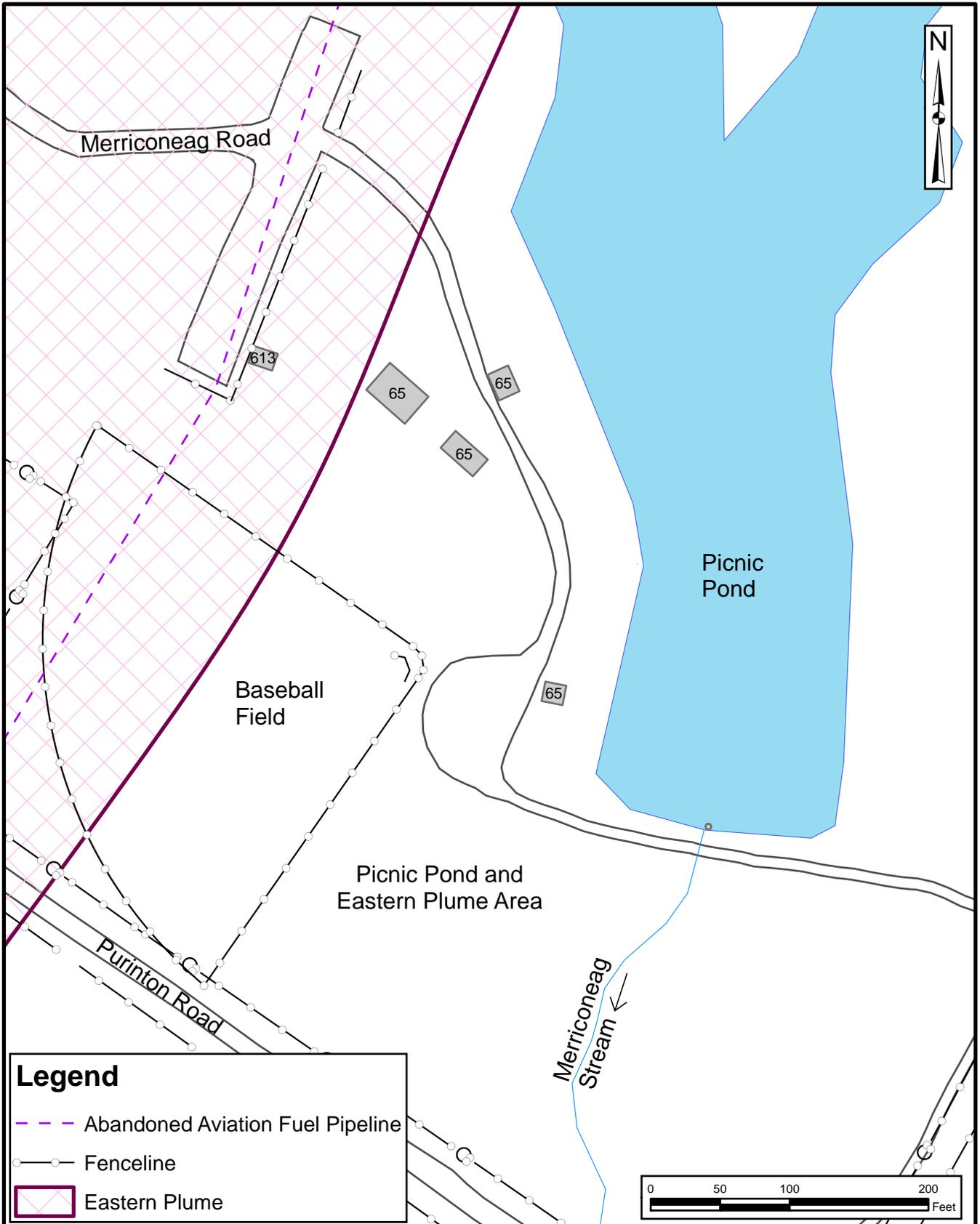
Sewall, 1997. NAS Brunswick Aerial Photographs. James W. Sewall Company, Old Town, Maine.



Tetra Tech NUS, Inc.

**SITE LOCATION MAP**  
 BUILDING 65 - PICNIC AREA SHELTER  
 BUILDING 613 - PICNIC AREA TOILET  
 RCRA PARTIAL CLOSURE REPORT  
 NAVAL AIR STATION BRUNSWICK, MAINE

|                                |          |
|--------------------------------|----------|
| SCALE<br>AS NOTED              |          |
| FILE                           |          |
| I:\_NASB_BLDG_65&613_LOCUS.MXD |          |
| REV                            | DATE     |
| 0                              | 12/02/10 |
| FIGURE NUMBER                  |          |
| 1                              |          |



**Legend**

-  Abandoned Aviation Fuel Pipeline
-  Fenceline
-  Eastern Plume



Tetra Tech NUS, Inc.

**SITE PLAN**

BUILDING 65 - PICNIC AREA SHELTER  
 BUILDING 613 - PICNIC AREA TOILET  
 RCRA PARTIAL CLOSURE REPORT  
 NAVAL AIR STATION BRUNSWICK, MAINE

SCALE  
 AS NOTED

FILE  
 \NASB\_BLDG\_65&613\_SITE\_MAP.MXD

| REV | DATE     |
|-----|----------|
| 0   | 12/03/10 |

FIGURE NUMBER  
 2

**HWSA INSPECTION FORM  
HAZARDOUS WASTE STORAGE AREAS CLOSURE  
NAS BRUNSWICK  
BRUNSWICK, MAINE  
CTO WE22**

**Inspection Date:** 11/10/10  
**Personnel:** Brandon Smith, P.E. / Brian Geringer  
**Weather:** Partly Cloudy, 40s

**GENERAL BUILDING INFORMATION / USES**

Building Name: Building 65 – Picnic Shelter  
Function: Shelter for picnic tables and grill in the Picnic Area  
Size: 3,380 SF  
Year of Construction: 1986  
Building 64 is located in the eastern portion of NASB Brunswick and is bordered to the north by Picnic Pond and Merriconeag Road, to the east by Picnic Pond, to the south by a baseball field and Purinton Road and to the west by Building 613 (Picnic Area Toilet) and New Meadows Cemetery. It was constructed in 1986 and served as a picnic area shelter. Building 65 consists of four structure: one structure is a concrete slab with open wooden roof containing picnic tables, one is a concrete slab with open wooden roof containing a concrete and brick grill, the remaining two are concrete slabs with open wooden roofs containing picnic tables.  
  
The buildings are unheated.

**HWSA INSPECTION / CONDITION**

No record of hazardous waste stored at Building 65.  
At the time of inspection, Building 65 was in fair 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.

**POTENTIAL PCB-CONTAINING TRANSFORMERS**

No transformers are associated with Building 65.

**APPLICABLE REPORTS / DOCUMENTS**

Available historical aerial photos and base maps were reviewed for past uses:

1940 aerial – Area is shown as undeveloped wooded land.

1943 Map - Area not shown.

1946 Map – The area is shown as undeveloped and east of the property boundary and fence.

1952 Map - Same as 1946 map.

1956 Map – The area is shown inside the property boundary and Picnic Pond and the New Meadows Cemetery are shown.

1957 Map – The area is shown as an athletic field with New Meadows Cemetery to the west.

1958 aerial – The area is shown as wooded with an athletic field to the south and New Meadows Cemetery to the west.

1975 Map - Area not shown.

1978 Map – Area is shown as a picnic area with New Meadows Cemetery to the west.

1978 aerial - same as 1958 aerial.

1979 Map - Area not shown.

1981 aerial - same as 1978 aerial.

1983 Map - Area not shown.

1984 aerial – Dirt roads are visible in the wooded area where the Building 65 structures are located and Building 613 is visible; athletic fields are present to the south and New Meadows Cemetery to the west.

1989 Map – Building 65 is not shown, but Building 613 is shown in its current location.

1989 aerial - same as 1984 aerial; southernmost Building 65 structure is visible, the remaining three are obscured by tree cover.

1993 aerial - same as 1989 aerial.

1997 aerial - same as 1993 aerial.

2006 Map - Building 65 shown in current location adjacent to Building 613.

There are no underground storage tanks (USTs), above ground storage tanks (ASTs), or oil-water separators (OWS) registered to Building 65.

**HAZARDOUS WASTE STORAGE RECORDS**

No hazardous waste was historically stored at Building 65 according to NAS Brunswick Hazardous Waste Manager, D. Bruce Smith.

**MISCELLANEOUS NOTES**

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

(SEE ATTACHED PHOTOGRAPHS)

INSPECTOR SIGNATURE: \_\_\_\_\_



**HWSA INSPECTION FORM  
HAZARDOUS WASTE STORAGE AREAS CLOSURE  
NAS BRUNSWICK  
BRUNSWICK, MAINE  
CTO WE22**

**Inspection Date:** 11/10/10  
**Personnel:** Brandon Smith, P.E. / Brian Geringer  
**Weather:** Partly Cloudy, 40s

**GENERAL BUILDING INFORMATION / USES**

Building Name: Building 613 – Picnic Area Toilet  
Function: Restroom for Picnic Area  
Size: 150 SF  
Year of Construction: 1966

Building 613 is located in the eastern portion of NASB Brunswick and is bordered to the north by Picnic Pond and Merriconeag Road, to the east by the Building 65 structures and Picnic Pond, to the south by a baseball field and Purinton Road and to the west by New Meadows Cemetery. It was constructed in 1966 and served as a picnic area restroom. Building 613 consists of a 150 square foot wood framed structure on a concrete slab foundation. The structure contains two restroom facilities and a utility room with electrical breaker and plumbing access.

The building is unheated.

**HWSA INSPECTION / CONDITION**

No record of hazardous waste stored at Building 613.  
At the time of inspection, Building 613 was in fair 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.

**POTENTIAL PCB-CONTAINING TRANSFORMERS**

No transformers are associated with Building 613.

**APPLICABLE REPORTS / DOCUMENTS**

Available historical aerial photos and base maps were reviewed for past uses:

1940 aerial – Area is shown as undeveloped wooded land.

1943 Map - Area not shown.

1946 Map – The area is shown as undeveloped and east of the property boundary and fence.

1952 Map - Same as 1946 map.

1956 Map – The area is shown inside the property boundary and Picnic Pond and the New Meadows Cemetery are shown.

1957 Map – The area is shown as an athletic field with New Meadows Cemetery to the west.

1958 aerial – The area is shown as wooded with an athletic field to the south and New Meadows Cemetery to the west.

1975 Map - Area not shown.

1978 Map – Area is shown as a picnic area with New Meadows Cemetery to the west.

1978 aerial - same as 1958 aerial.

1979 Map - Area not shown.

1981 aerial - same as 1978 aerial.

1983 Map - Area not shown.

1984 aerial – Dirt roads are visible in the wooded area where the Building 65 structures are located and Building 613 is visible; athletic fields are present to the south and New Meadows Cemetery to the west.

1989 Map – Building 65 is not shown; Building 613 is shown in its current location.

1989 aerial - same as 1984 aerial; southernmost Building 65 structure is visible, the remaining three are obscured by tree cover.

1993 aerial - same as 1989 aerial.

1997 aerial - same as 1993 aerial.

2006 Map - Building 613 shown in current location adjacent to Building 613.

There are no underground storage tanks (USTs), above ground storage tanks (ASTs), or oil-water separators (OWS) registered to Building 613.

A septic tank is located on the southern exterior of Building 613 with a leach field to the west of the septic tank.

**HAZARDOUS WASTE STORAGE RECORDS**

No hazardous waste was historically stored at Building 613 according to NAS Brunswick Hazardous Waste Manager, D. Bruce Smith.

**MISCELLANEOUS NOTES**

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

(SEE ATTACHED PHOTOGRAPHS)

INSPECTOR SIGNATURE: \_\_\_\_\_



**PHOTOGRAPHS**



No. 1 Buildings 65 and 613 – NAS Brunswick November 11, 2010  
Picnic Area Toilet south elevation



No. 2 Buildings 65 and 613 – NAS Brunswick November 11, 2010  
Picnic Area Toilet north elevation



No. 3 Buildings 65 and 613 – NAS Brunswick November 11, 2010  
Picnic Area Toilet men's room interior



No. 4 Buildings 65 and 613 – NAS Brunswick November 11, 2010  
Picnic Area Toilet utility room



No. 5                      Buildings 65 and 613 – NAS Brunswick                      November 11, 2010  
Large Picnic Shelter structure with picnic tables



No. 6                      Buildings 65 and 613 – NAS Brunswick                      November 11, 2010  
Picnic Shelter structure with grill



No. 7                      Buildings 65 and 613 – NAS Brunswick                      November 11, 2010  
Small Picnic Shelter structure (located east of the large shelter) with picnic tables



No. 8                      Buildings 65 and 613 – NAS Brunswick                      November 11, 2010  
Small Picnic Shelter structure (located southeast of the large shelter) with picnic tables