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NAS BRUNSWICK  
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FINAL RESOURCE CONSERVATION AND RECOVERY ACT PARTIAL CLOSURE REPORT  
FOR BUILDING 145 WITH TRANSMITTAL LETTER NAS BRUNSWICK ME  
12/1/2010  
NAS BRUNSWICK

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

December 1, 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

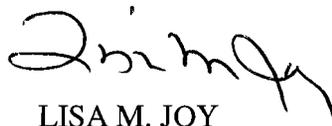
Subj: Final RCRA Partial Closure Report for Building 145

Dear Mr. Vigneault:

A copy of the Final RCRA Partial Closure Report for Building 145 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 Building 145

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

**RCRA PARTIAL CLOSURE REPORT**  
**for**  
**BUILDING 145 – LOADING PLATFORM**  
**NAVAL AIR STATION BRUNSWICK, MAINE**  
**USEPA IDENTIFICATION NUMBER ME8170022018**  
**NOVEMBER 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 145 at Naval Air Station Brunswick (NAS Brunswick).

## **2. PROPERTY DESCRIPTION**

Building 145, a loading platform, is located in the southern portion of NAS Brunswick, southeast of the runway (Figure 1). It is at the end of an access road that runs southwest from the intersection of Merriconeag Road, New Gurnett Road, and Ordnance Road (Figure 2). The building is located along the eastern edge of a paved staging area that is surrounded by security fencing and by undeveloped, wooded land. Building 77 (Weapons Build-Up Facility) is located directly to the northeast, on the western side of the access road.

Building 145 was constructed in 1943 and is an 826-square-foot concrete loading ramp and platform. There are no occupiable structures associated with Building 145. Grass-covered embankments with reinforced-concrete retaining walls are located north of the loading platform, east and west of the access road. Photographs of the building are provided as an attachment to this report.

Building 145 is located within the Weapons/Magazine Area. The Weapons/Magazine Area RCRA Partial Closure Report addresses the land surrounding and the groundwater underlying Building 145.

## **3. PROPERTY HISTORY AND RECORDS RESEARCH**

The Tetra Tech NUS, Inc. (Tetra Tech) project team interviewed NAS Brunswick Environmental Department personnel and reviewed both NAS Brunswick and the Augusta, Maine MEDEP files to collect available information concerning Building 145, including past use and operations at that location.

Records reviewed include historical aerial photographs, the NAS Brunswick Other Environmental Liabilities (OEL) Database, area-specific reports, facility plans, facility drawings, and hazardous waste records. Aerial photographs dated 1953, 1958, 1978, 1981, 1984, 1989, 1993 and 1997 (Sewall, 1953, 1958, 1978, 1981, 1984, 1989, 1993 and 1997) were reviewed. Public Works Department (PWD) site base maps dated 1943, 1946, 1952, 1956, 1975, 1989, and 2006 (PWD, 1943, 1946, 1952, 1956, 1975, 1989, and 2006) and site building lists for 1965, 1976, 2003, 2006, and 2008 (PWD, 1965, 1976, 2003, 2006, and 2008) were also reviewed.

Historical site plans dated 1952 and earlier do not show the Building 145 area. Building 145 is not shown on the 1956 historical site plan. On the 1957 plan, a cleared area and railroad tracks are shown in the area of Building 145. Beginning with the 1958 aerial photograph, Building 145 and the adjacent railroad tracks are shown in their current configuration. Building 145 is included on the earliest available historical building list, dated 1965. Historical building lists dated 2003, 2006, and 2008 indicate that Building 145 was constructed in 1943. In aerial photographs dated 1978 through 1989, an additional, possible temporary structure is visible to the west of Building 145. No other information concerning this structure was identified in historical records. In the 1981 aerial photograph, a dirt road that loops to the east of Building 145 is visible. Also visible on this photograph is a paved area to the west of Building 145, with possible vehicles visible to the northwest and west of Building 145. Building 77, located to the northeast, is visible beginning with the 1993 aerial photograph.

According to historical records and NAS Brunswick Environmental Department personnel, following its construction in 1943, Building 145 was used as a loading and unloading platform for various weapons. Historical information suggests that the railroad tracks adjacent to Building 145 were constructed in approximately the late 1950's and are no longer intact. A photograph was obtained from the Pejepscot Historical Society in Brunswick, Maine which shows the construction of the railroad tracks at the "Weapons Depot." No date is listed on the photograph. Building 145 is not readily identifiable in the photograph. There is no record of hazardous waste generation at Building 145.

The NAS Brunswick Transformer Database lists no electrical transformers for Building 145 (PWD, 2009).

The NAS Brunswick Master/Historical Aboveground and Underground Storage Tank Inventory lists no aboveground storage tanks (ASTs) or underground storage tanks (USTs) for Building 145 (Environmental Department, 2009). No oil/water separators are listed for Building 145 on the NAS Brunswick Revised Oil/Water Separator List (PWD, 2008b).

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

A site visit was conducted on August 25, 2010 by Mr. James Forrelli, P.E., Mark Speer, and 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. Building 145 was 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:

- The loading platform was not in use 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, stressed vegetation, 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 peeling/chipping paint was observed, and there are no windows in the structure.

Based on the records research findings and site visit observations, it was determined that neither further inspection nor sampling of Building 145 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, hazardous waste accumulation, or hazardous waste storage occurred at Building 145.

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

No electrical transformers, ASTs, USTs, or oil/water separators are known to be associated with Building 145. No tanks were observed in the immediate vicinity of Building 145.

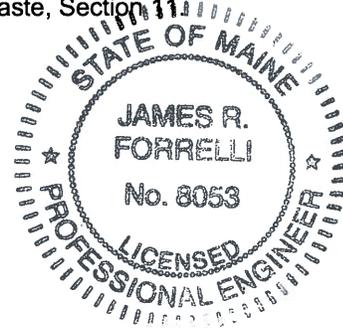
#### **7. LIMITATIONS**

This investigation of the hazardous waste closure requirement applies to the building footprint of Building 145 (building footprint as shown on Figure 2). It does not apply to the land surrounding or the groundwater underlying Building 145.

## 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 145 at NAS Brunswick, Maine. Therefore, the hazardous waste closure of Building 145 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 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.

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, Department of the Navy Bureau of Yards & Docks Department," US Naval Air Station Brunswick, Maine. Updated May 13.

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

PWD, 1976. "Index of Structures, Naval Facilities Engineering Command, Northeast Division Drawing No. 747 256," Naval Air Station Brunswick, Maine. Updated September 21.

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

PWD, 2003. "NAS Brunswick, Facility List," US Naval Air Station, Brunswick, Maine, NAS Brunswick, Maine. March 9.

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

PWD, 2008a. "Draft NAS Brunswick, Facility List," US Naval Air Station, Brunswick, Maine, NAS Brunswick, Maine. March.

PWD, 2008b. Revised Oil/Water Separator List, Table J-C4(a). NAS Brunswick, Maine. January 1.

PWD, 2009. Master Transformer Database. NAS Brunswick, Maine. June 24.

Sewall, (James W. Sewall Company), 1953. NAS Brunswick Aerial Photographs. James W. Sewall Company, Old Town, ME. June 29.

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

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

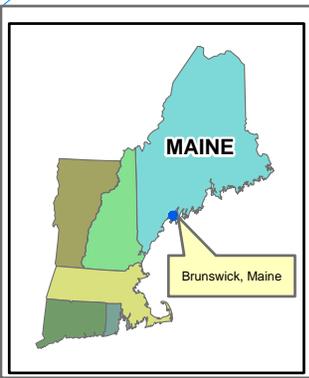
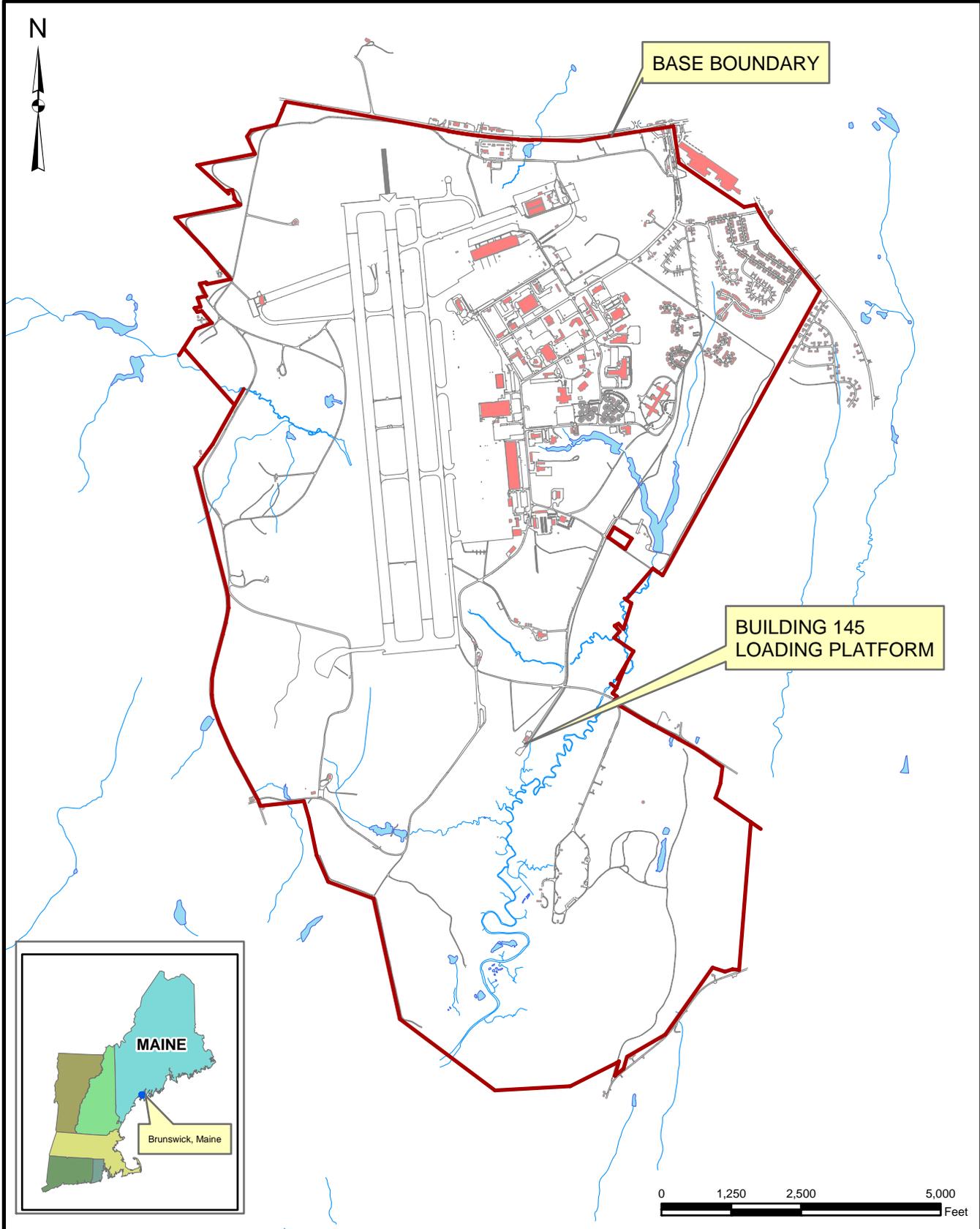
Sewall, 1981. NAS Brunswick Aerial Photographs. James W. Sewall Company, Old Town, ME. October 17.

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

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

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

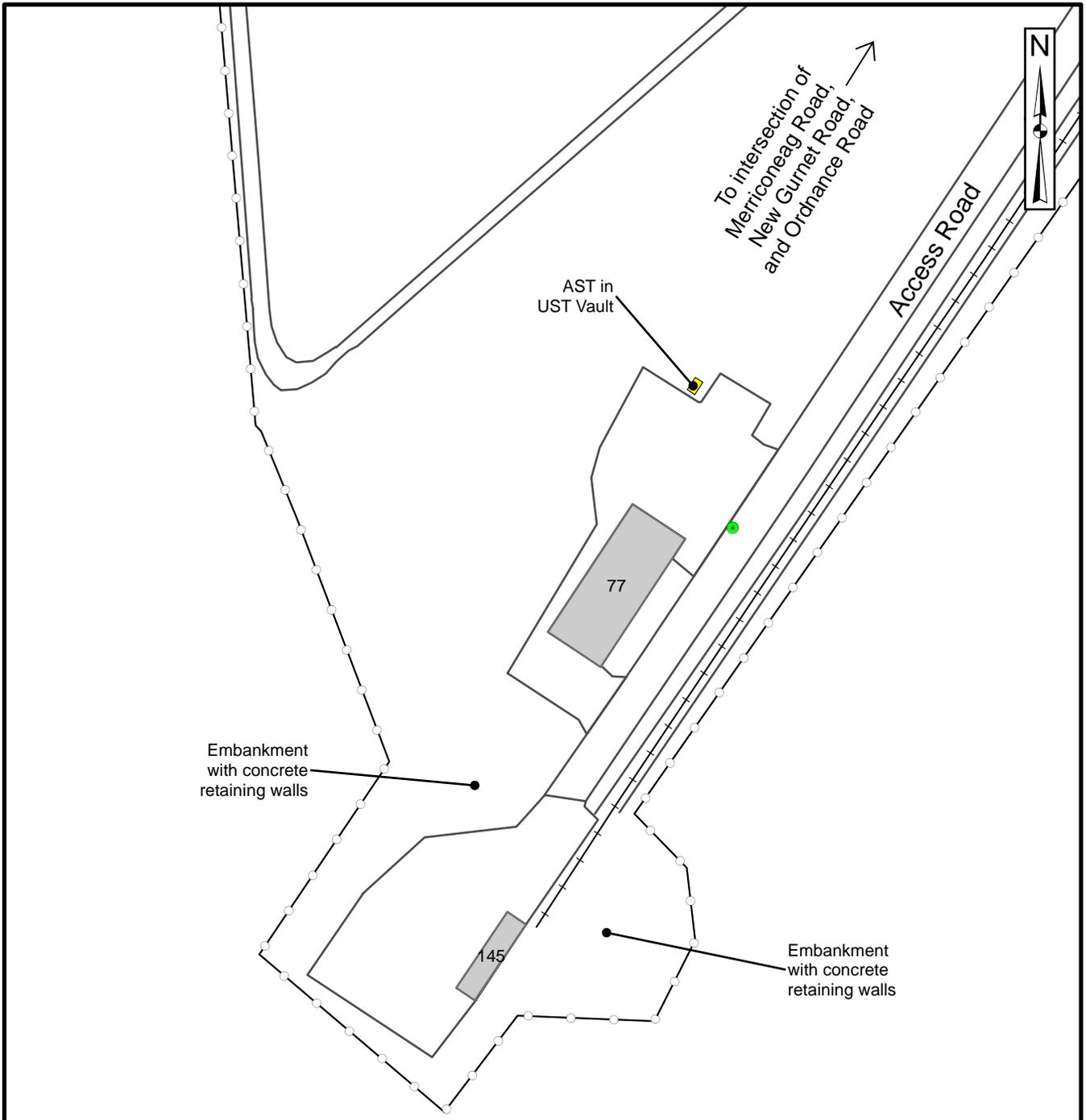
Sewall, 1997. NAS Brunswick Aerial Photographs. James W. Sewall Company, Old Town, ME. May 27.



Tetra Tech NUS, Inc.

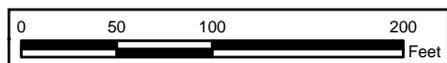
**SITE LOCATION MAP**  
**BUILDING 145 - LOADING PLATFORM**  
**RCRA PARTIAL CLOSURE REPORT**  
**NAVAL AIR STATION BRUNSWICK, MAINE**

SCALE AS NOTED	
FILE I:\WASB_BLDG_145_LOCUS.MXD	
REV 0	DATE 11/10/10
FIGURE NUMBER 1	



**Legend**

- Monitoring Well
- Railroad Line (Abandoned)
- Fenceline
- Pole Mounted Transformer



Building 145 Corner	Northing	Easting
North	380293.960	3015190.190
East	380285.710	3015202.310
South	380236.460	3015169.060
West	380244.590	3015156.940

Coordinates are in NAD 1983, Maine West, Feet



Tetra Tech NUS, Inc.

**SITE LOCATION MAP**  
**BUILDING 145 - LOADING PLATFORM**  
**RCRA PARTIAL CLOSURE REPORT**  
**NAVAL AIR STATION BRUNSWICK, MAINE**

SCALE AS NOTED	
FILE L:\WASB_BLDG_145_SITE_MAP.MXD	
REV 0	DATE 11/11/10
FIGURE NUMBER FIGURE NO. 2	

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

**Inspection Date:** 8/31/10

**Personnel:** Brian Geringer / James Forrelli, P.E. / Mark Speer, P.E.

**Weather:** \_\_\_\_\_

**GENERAL BUILDING INFORMATION / USES**

Building Name: Loading Platform

Function:

Size: 826 SF

Year of Construction: 1943

Building 145 is located in the southern portion of NAS Brunswick southeast of the runway. Building 145 is located at the end of an access road southwest of the intersection of Merriconeag Road and New Gurnett Road in the Weapons Area, west of Ordinance Road and Mere Brook. The Anti-Underwater Warfare (AUW) compound is located north of Building 145 and New Gurnett Road. It is located within the fenced weapons area and is surrounded by undeveloped, wooded land.

Building 145 was constructed in 1943 and is an 826 square-foot concrete loading dock located south of Building 77. Building 145 is surrounded by bunkers constructed of concrete and earth. Building 145 is unheated.

**HWSA INSPECTION / CONDITION**

The loading platform was not in use 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, stressed vegetation, 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 peeling/chipping paint was observed, and there are no windows in the structure.

**POTENTIAL PCB-CONTAINING TRANSFORMERS**

No transformer that could be a potential source of polychlorinated biphenyls (PCBs) contamination in the event of a leak was observed. Additionally, there are no transformers reported as associated with Building 145 on the NAS Brunswick transformer List.

No signs of a past release (unusual odors, stains, stressed vegetation, etc.) were observed.

**APPLICABLE REPORTS / DOCUMENTS**

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

- 1943 map – Building 145 area not shown.
- 1946 map – Same as 1943 map.
- 1952 map – Same as 1943 map.
- 1953 aerial – Wooded area.
- 1956 map – Vacant wooded area.
- 1957 map - cleared area and railroad tracks are shown in the area of Building 145.
- 1958 aerial – Building 145 shown. Building 77 area appears to be a dirt road. A vehicle is visible northeast of approximate Building 77 area.
- 1975 map – Area not shown.
- 1978 aerial – Same as 1958 aerial except an additional structure is visible to the west of Building 145.
- 1978 map – Building 145 and adjacent railroad tracks shown.
- 1979 map – Building 145 area not shown on map.
- 1981 aerial - Building 145 shown. Dirt road loop to the east of B145. Paved area west of B145 along with a possible square structure to the west at the edge of the pavement. Other possible vehicles visible to the northwest and west of B145. B77 area is wooded and undeveloped.
- 1984 aerial – Same as 1981 aerial. Structure visible to the west of B145.
- 1989 aerial – same as 1984 aerial.
- 1993 aerial – Building 77 and Building 145 visible. The structure to the west of B145 is no longer visible.
- 1997 aerial – Same as 1993 aerial.
- 2006 map – Building 145 shown in current configuration.

NAS historical site lists include Building 145 starting in 1965 although historical building lists dated 2003, 2006 and 2008 indicate Building 145 was built in 1943.

According to NASB records, no underground storage tanks (USTs), above ground storage tanks (ASTs), or oil-water separators (OWS) were registered to Building 145.

**HAZARDOUS WASTE STORAGE RECORDS**

No hazardous waste was historically stored at Building 145 according to NAS Brunswick Hazardous Waste Manager, D. Bruce Smith.

**MISCELLANEOUS NOTES**

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

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

**PHOTOGRAPHS**



No. 1 Building 145 – Loading Platform, NAS Brunswick August 25, 2010  
Loading Platform viewed from north along the access road with Building 77 in the right foreground



No. 2 Building 145 – Loading Platform, NAS Brunswick August 25, 2010  
Loading Platform south elevation; with concrete wall and Building 77 in the background



No. 3 Building 145 – Loading Platform, NAS Brunswick  
Loading Platform north elevation

August 25, 2010



No. 4 Building 145 – Loading Platform, NAS Brunswick  
Loading Platform top area

August 25, 2010