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NAS BRUNSWICK
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FINAL RESOURCE CONSERVATION AND RECOVERY ACT PARTIAL CLOSURE REPORT
FOR BUILDING 35 WITH TRANSMITTAL LETTER NAS BRUNSWICK ME
12/17/2010
NAS BRUNSWICK

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

December 17, 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

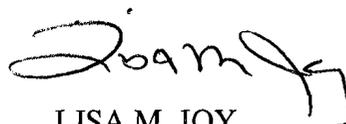
Subj: Final RCRA Partial Closure Report for Building 35

Dear Mr. Vigneault:

A copy of the Final RCRA Partial Closure Report for Building 35 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,



LISA M. JOY
Environmental Director

Enclosure: (1) Final RCRA Partial Closure Report for Building 35

Copy to:
NAVFAC Mid-Atlantic (B. Abraham)
NAS Brunswick (M. Fagan/D. Smith)
EPA Region I (M. Daly)
MRRRA (V. Boundy)
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RCRA PARTIAL CLOSURE REPORT
for
BUILDING 35 – MAIN GATE SENTRY HOUSE
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 Building 35 at Naval Air Station Brunswick (NAS Brunswick).

2. PROPERTY DESCRIPTION

Building 35, known as the Main Gate Sentry House, is located in the northeastern portion of NAS Brunswick in the Main Gate Area (Figure 1). The building is located in the median of Fitch Avenue and is bordered to the north by Building 33 (Front Gate Security Building) and the Building 37 (Midcoast Regional Redevelopment Association [MRRA] parcel, to the east and west by grass- and tree-covered areas, and to the south by Fitch Avenue and housing areas (Figure 2).

Building 35 was constructed in 2004 and measures 200 square feet in area. It is a single story, steel-framed structure on a concrete slab foundation. The building interior consists of a sentry area, restroom, and electrical/storage room. Electric heat is supplied to the building. Photographs of the Building 35 exterior and interior are provided in an attachment.

Building 35 is located within the Private Housing Area. The Private Housing Area RCRA Partial Closure Report addresses the land surrounding and the groundwater underlying Building 35.

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 Building 35, 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.

According to the historical building lists review, Building 35 was used as the Main Gate Sentry House since its construction in 2004. The building, staffed by security personnel, is used to control vehicular access to NAS Brunswick. Prior to the construction of the current Building 35, this building identification number had been previously assigned to the former Radio Transmitter Building, which was located in the southeastern portion of NAS Brunswick.

On the earliest historical site plan, dated 1943, Fitch Avenue (then called Avenue C) is shown in the area, with no buildings present. To the east and west of Fitch Avenue were grass- and tree-covered areas. The 1946 historical plan shows Building 76 (Skeet Range Storehouse) present to the west of Avenue C. Beginning with the 1956 map, housing is present to the southeast and

southwest of the area of Building 35, with Building 76 no longer shown. After 1956, no further changes are observed in photographs or site maps of the area until the 1978 map, where Avenue C is labeled Fitch Avenue. The 2006 map is the first to show Building 35.

Building 35 is connected to the base-wide sanitary sewer system (Navy, 2006). No oil-water separators (OWS) have been associated with Building 35 (Navy, 2008b).

According to MEDEP and NAS Brunswick spill records, no spills were reported in the vicinity of Building 35 (Environmental Department, 1988; Environmental Department 1999; and MEDEP, 2010). There is no record of hazardous waste generation at Building 35 (Environmental Department, 2010).

The NAS Brunswick Removed Transformer Database lists no electrical transformers associated with the current Building 35 (PWD, 2010).

The NAS Brunswick Aboveground Storage Tank (AST) and Underground Storage Tank (UST) inventory records list a 100-gallon, double-walled steel AST (A35.0) containing diesel fuel for the generator at the main gate location (Environmental Department, 2009). This pad-mounted emergency generator (with 100-gallon day tank) enclosure is located east of Building 35. It was installed in 2004 and is active.

4. SITE VISIT AND INVESTIGATION

A site visit was conducted for Building 35 on December 2, 2010 by Mr. James Forrelli, P.E., and Mr. Brandon Smith, P.E., 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 building was visually inspected for signs of hazardous waste generation or storage. Site visit observations, recorded on the attached Building Inspection Form ⁽¹⁾, are summarized below:

- At the time of inspection, Building 35 was in service and occupied and in good 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.
- The emergency generator unit was observed east the buildings; three transformers serving the Private Housing Area are located south of the generator unit.

Based on the records research findings and site visit observations, it was determined that neither further inspection nor sampling of Building 35 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, accumulation, or storage occurred at Building 35.

6. OTHER ENVIRONMENTAL CONSIDERATIONS

Other than the AST discussed in Section 3, no tanks were observed in the immediate vicinity of Building 35, and none are known to exist in this area.

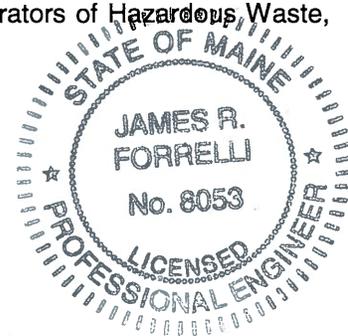
7. LIMITATIONS

This investigation of the hazardous waste closure requirement applies to the footprint of Building 35 (as shown on Figure 2), only. It does not apply to the land surrounding or the groundwater underlying Building 35.

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 35, NAS Brunswick, Maine. Therefore, the hazardous waste closure of Building 35 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 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. NAS Brunswick, 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.

NAS Brunswick Environmental Department. NAS Brunswick Transformer Database.

Navy, 2006. Department of the Navy, Base Realignment and Closure Program Management Office, Final (Revision 2) Environmental Condition of Property Report for the Naval Air Station, Brunswick, Maine, NAS Brunswick, Maine. 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, 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, 1978. "Repair Storage Magazines, Area Location & Index of Drawings" US Naval Air Station, Brunswick, Maine. August 12.

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, 1988. Removals Plan Operations Control Center, NAVFAC Drawing 2076807, 1988

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

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

PWD, 2006b. "NASB Facility List, Naval Air Station, Brunswick, Maine". March.

PWD, 2008a. "NAS Brunswick Facility List, NAS Brunswick". March.

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

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.

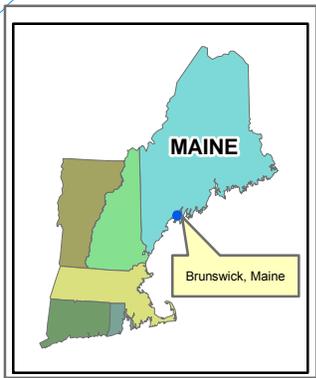
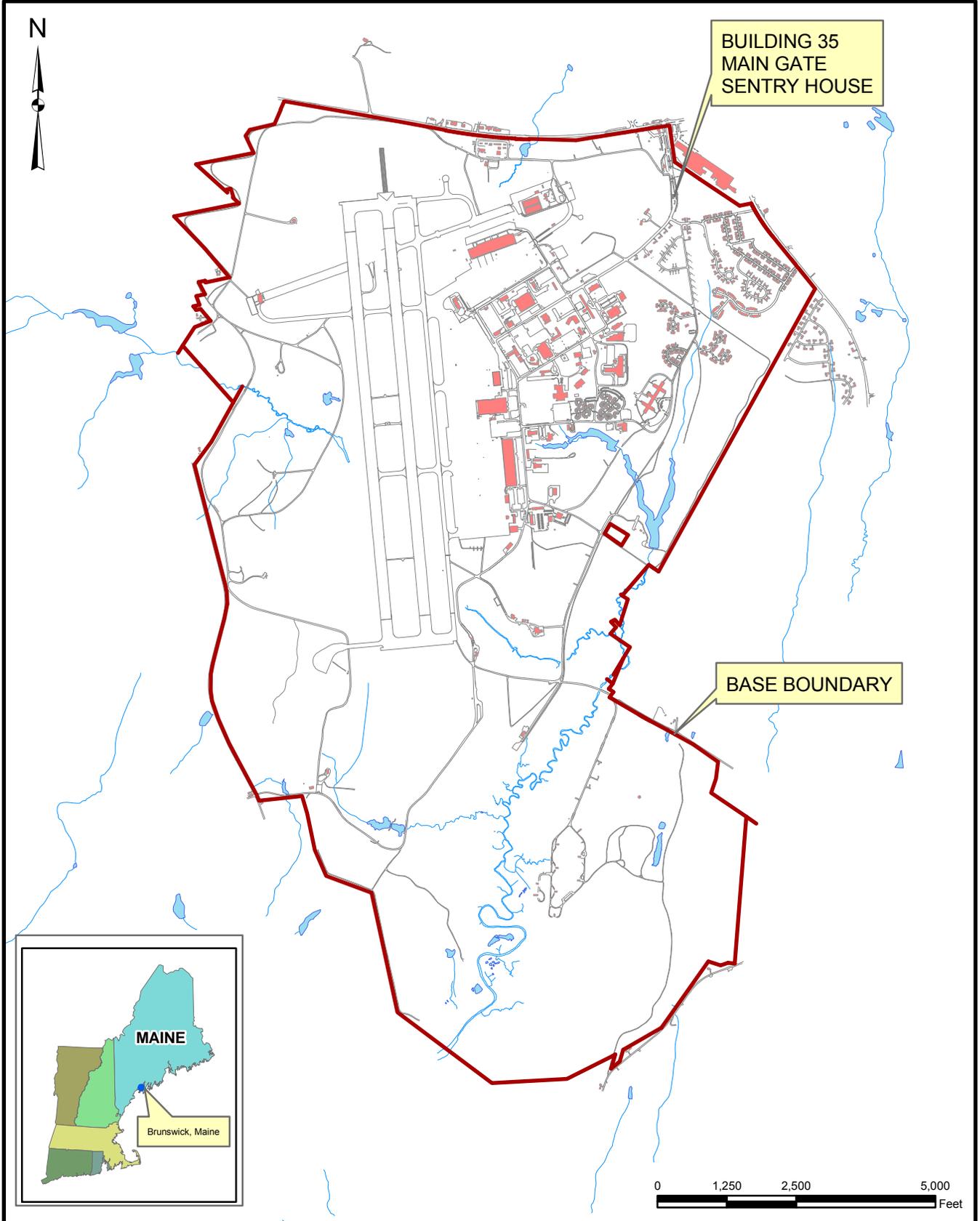
Sewall, 1981. NAS Brunswick Aerial Photographs. James W. Sewall Company, Old Town, Maine. October 17.

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.

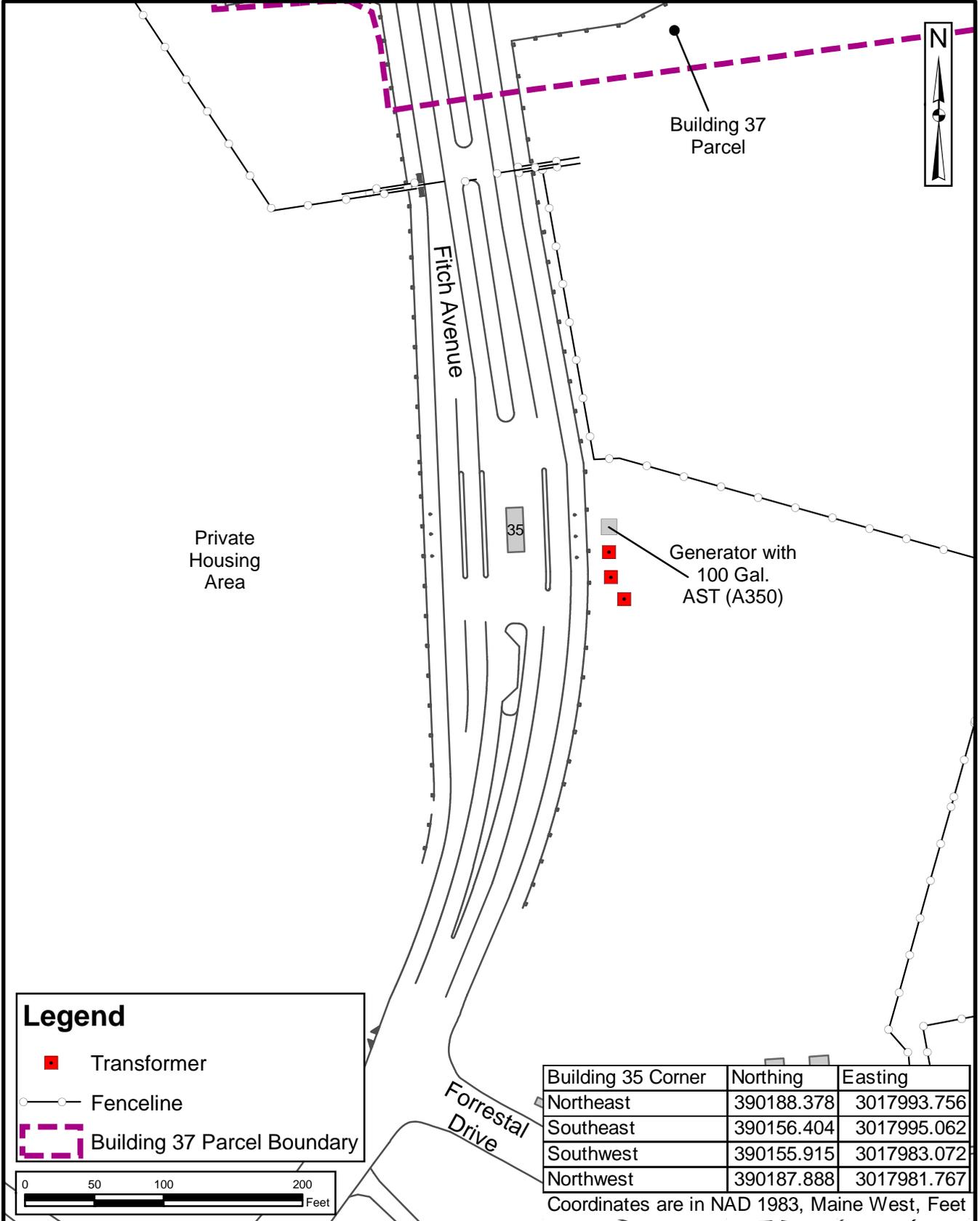
Sewall, 1997. NAS Brunswick Aerial Photographs. James W. Sewall Company, Old Town, Maine.



Tetra Tech NUS, Inc.

SITE LOCATION MAP
 BUILDING 35 - MAIN GATE SENTRY HOUSE
 RCRA PARTIAL CLOSURE REPORT
 NAVAL AIR STATION BRUNSWICK, MAINE

SCALE AS NOTED	
FILE I:\02258\ASB_BLDG_35_LOCUS.MXD	
REV 0	DATE 12/13/10
FIGURE NUMBER 1	



Legend

- Transformer
- Fenceline
- Building 37 Parcel Boundary

0 50 100 200 Feet

Building 35 Corner	Northing	Easting
Northeast	390188.378	3017993.756
Southeast	390156.404	3017995.062
Southwest	390155.915	3017983.072
Northwest	390187.888	3017981.767

Coordinates are in NAD 1983, Maine West, Feet

 Tetra Tech NUS, Inc.	SITE MAP BUILDING 35 - MAIN GATE SENTRY HOUSE RCRA PARTIAL CLOSURE REPORT NAVAL AIR STATION BRUNSWICK, MAINE	SCALE AS NOTED
		FILE L:\NASB_BLDG_35_SITE_MAP.MXD
	REV 0	DATE 12/14/10
	FIGURE NUMBER FIGURE NO. 2	

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

Inspection Date: 12/02/10
Personnel: Brandon Smith, P.E. / James Forrelli, P.E.
Weather: Clear, 30s

GENERAL BUILDING INFORMATION / USES

Building Name: Main Gate Sentry House
Function: Security sentry house
Size: 200 SF
Year of Construction: 2004

Building 35 is located in the northeastern portion of NAS Brunswick at the Main Gate security area on Fitch Avenue, south of Building 33 (Sentry House/Front Gate), north, east, and west of housing and wooded areas. It was constructed in 2004 and served as the Main Gate sentry house for its entire history. Building 35 consists of a 200-square-foot, single story, steel-framed structure on a concrete slab foundation. Building 35 was used as a security sentry house for NASB. The building interior consists of a sentry area, restroom facility, and electrical/storage room.

Building 35 is heated via electric heat.

HWSA INSPECTION / CONDITION

No record of hazardous waste stored at Building 35.
At the time of inspection, Building 35 was in good 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 listed in the NASB transformer database for the Building 35.

APPLICABLE REPORTS / DOCUMENTS

Available historical aerial photos and base maps were reviewed for past uses:
1943 map – No buildings present, Avenue C (later Fitch Avenue) present.
1946 map – No buildings present, Building 76 (Skeet Range Storehouse) present to the west of Avenue C.
1952 map – Same as 1946 map.
1956 map – No buildings present, housing present to the east of Building 35 area on Avenue C.
1957 map – No building present.
1958 aerial – Avenue C shown with grassed areas to the east and west. No buildings present.
1975 map – Same as 1957 map.
1978 aerial – same as 1958 aerial.
1978 map – No buildings shown, housing shown to the southwest and Avenue C renamed Fitch Avenue
1979 map – Housing shown to the southeast and southwest, no building at Building 35 area.
1981 aerial – same as 1978 aerial.
1983 map – Same as 1979 map.
1984 aerial – same as 1981 aerial
1989 map – Same as 1983 map.
1989 aerial – Same as 1984 aerial, area to the west is now wooded.
1993 aerial – Same as 1989 aerial.
1997 aerial – Same as 1997 aerial.
2006 map – Building 35 shown in current location.

No OWS were present at Building 35 according to NASB records.
No USTs were present at Building 35 according to NASB records.
The generator east of Building 35 is associated with Building 35 and contains a 100 gallon DWS AST (A35.0) containing diesel for the generator (installed in 2004, active)

HAZARDOUS WASTE STORAGE RECORDS

No hazardous waste was historically stored at Building 35 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.
Building Number 35 was previously assigned to the Radio Transmitter Building in the southeast portion of NAS Brunswick. A number of former ASTs and USTs were associated with this building.

(SEE ATTACHED PHOTOGRAPHS)

INSPECTOR SIGNATURE: _____  _____

PHOTOGRAPHS



No. 1 Building 35 – Main Gate Sentry Building, NAS Brunswick December 2, 2010
Main Gate Sentry Building west elevation



No. 2 Building 35 – Main Gate Sentry Building, NAS Brunswick December 2, 2010
Main Gate Sentry Building east elevation



No. 3 Building 35 – Main Gate Sentry Building, NAS Brunswick December 2, 2010
Main Gate Sentry Building interior



No. 4 Building 35 – Main Gate Sentry Building, NAS Brunswick December 2, 2010
Generator (far left) and transformers east of Main Gate Sentry Building