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NAS BRUNSWICK  
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FINAL RESOURCE CONSERVATION AND RECOVERY ACT PARTIAL CLOSURE REPORT  
FOR BUILDING 434 WITH TRANSMITTAL LETTER NAS BRUNSWICK ME  
7/16/2010  
NAS BRUNSWICK

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

July 16, 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 434

Dear Mr. Vigneault:

A copy of the Final RCRA Partial Closure Report for Building 434 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,



*LM* LISA M. JOY  
Environmental Director

Enclosure: (1) Final RCRA Partial Closure Report for Building 434

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 434 – VP-92 HANGAR 6 WEST LINE SHACK**  
**NAVAL AIR STATION BRUNSWICK, MAINE**  
**USEPA IDENTIFICATION NUMBER ME8170022018**  
**JULY 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 434 at Naval Air Station Brunswick (NAS Brunswick).

## **2. PROPERTY DESCRIPTION**

Building 434, known as the VP-92 Hangar 6 West Line Shack, is located in the central portion of NAS Brunswick (Figure 1). It is bordered by Buildings 45 and 292 to the north, Orion Street to the east, Building 86 to the south, and the airfield parking apron to the west (Figure 2). Building 434 was used as storage space and shelter for airfield ground crews with the VP-92 squadron at Hangar 6 prior to October 2007. Sometime after 2007, Building 434 was moved from Hangar 6 to its present location, where it is currently being used to store equipment and supplies for the base motorcycle training course. It was constructed in 1980 and served as a line shack for its entire history. The two-room building consists of a 375-square-foot, one-story, wooden structure supported on wooden skids. A site plan is provided as Figure 2. Building 434 was heated by electric baseboard heat. Photographs of Building 434 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 434 including past use and operations at that location.

According to NAS Brunswick Environmental Department personnel, since its construction, the sole use of Building 434 has been as a line shack. There is no record of hazardous waste generation at Building 434.

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, and 1993 (all produced by James W. Sewall Company) were reviewed along with Public Works Department site base maps dated 1943, 1946, 1952, 1956, 1957, 1975, 1979, 1983, 1989, and 2006 to provide historical information.

Building 434 does not appear on any of the available historical site plans or aerial photographs (dated between 1943 and 2006, as indicated above). All plans and photographs show Hangar 1 present to the north of the Building 434 current location, which is shown as a parking area along Orion Street for its entire history.

According to the NAS Brunswick database, no transformers are associated with Building 434 (PWD, 2010). No underground storage tanks (USTs) or above ground storage tanks (ASTs) have been utilized at Building 434, according to NAS Brunswick records (Environmental Department, 2009). No accidental releases relating to Building 434 were identified in the NAS Brunswick or MEDEP spill records.

#### 4. SITE VISIT AND INVESTIGATION

A site visit was conducted by Mr. James Forrelli, P.E. and Mr. Brian Geringer of TtNUS. The purpose of the visit 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 434 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 <sup>(1)</sup>, are summarized below:

- The building was unoccupied at the time of the site visit and appeared in fair condition. Office furniture and supplies for the motorcycle training course were present.
- 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 434 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 434.

#### 6. OTHER ENVIRONMENTAL CONSIDERATIONS

According to NAS Brunswick records, no USTs or ASTs have been utilized at Building 434, and no tanks were observed in the immediate vicinity of the building. Building 434 was heated via electric heat.

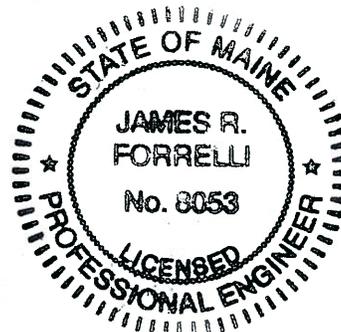
#### 7. LIMITATIONS

This investigation of the hazardous waste closure requirement applies to the Building 434 footprint (as shown on Figure 2) only. It does not apply to the land surrounding or the groundwater underlying Building 434.

#### 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 434, NAS Brunswick, Maine. Therefore, the hazardous waste closure of Building 434 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, 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.

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

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

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

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

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

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

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

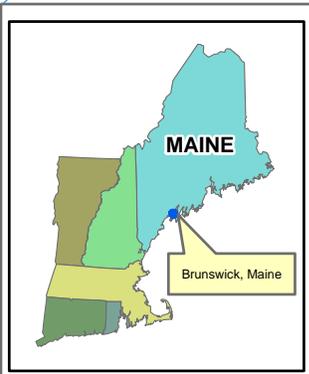
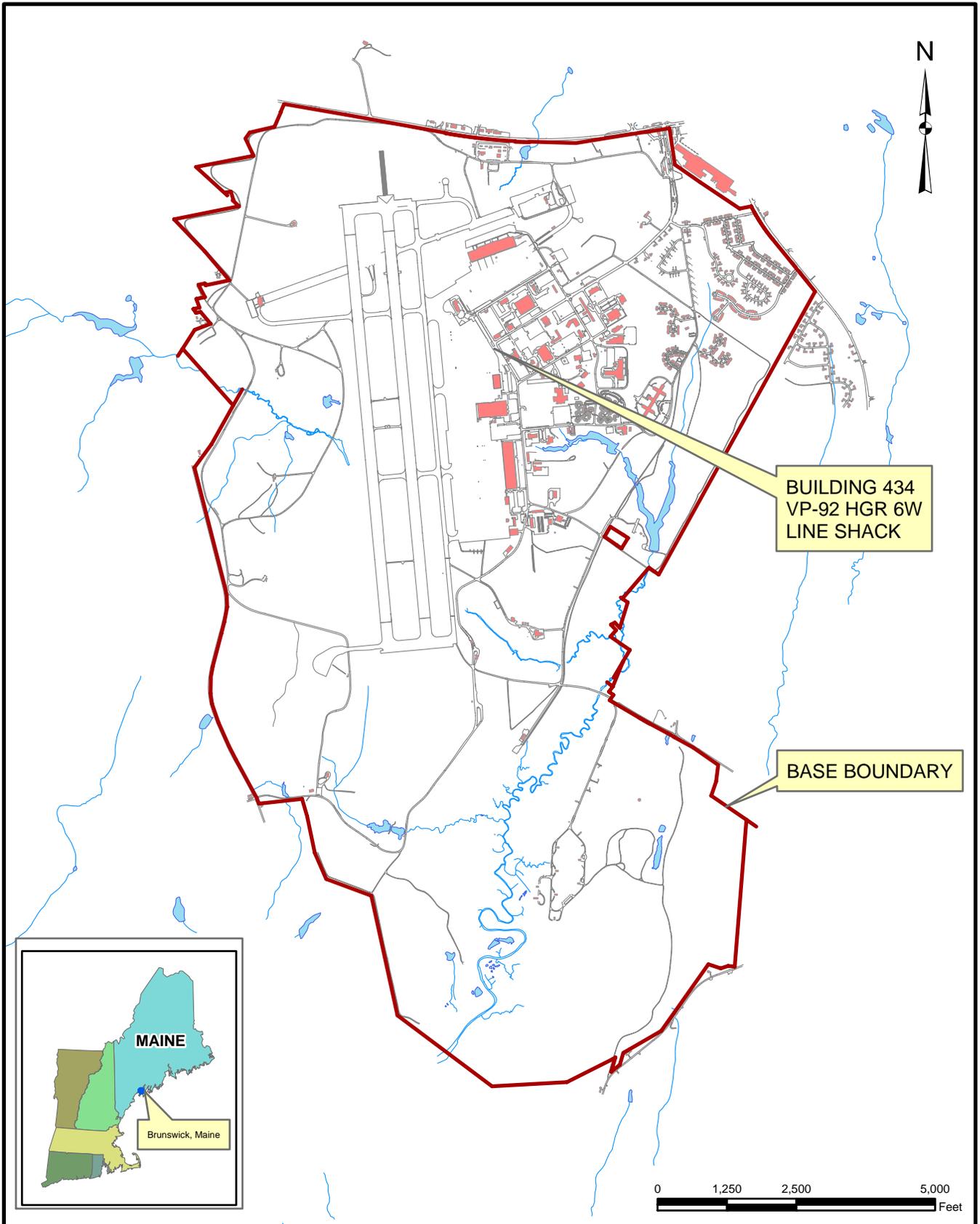
PWD, 1975. "General Development of Existing and Planned Operations Areas" NAS Brunswick, Maine. December 2.

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

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



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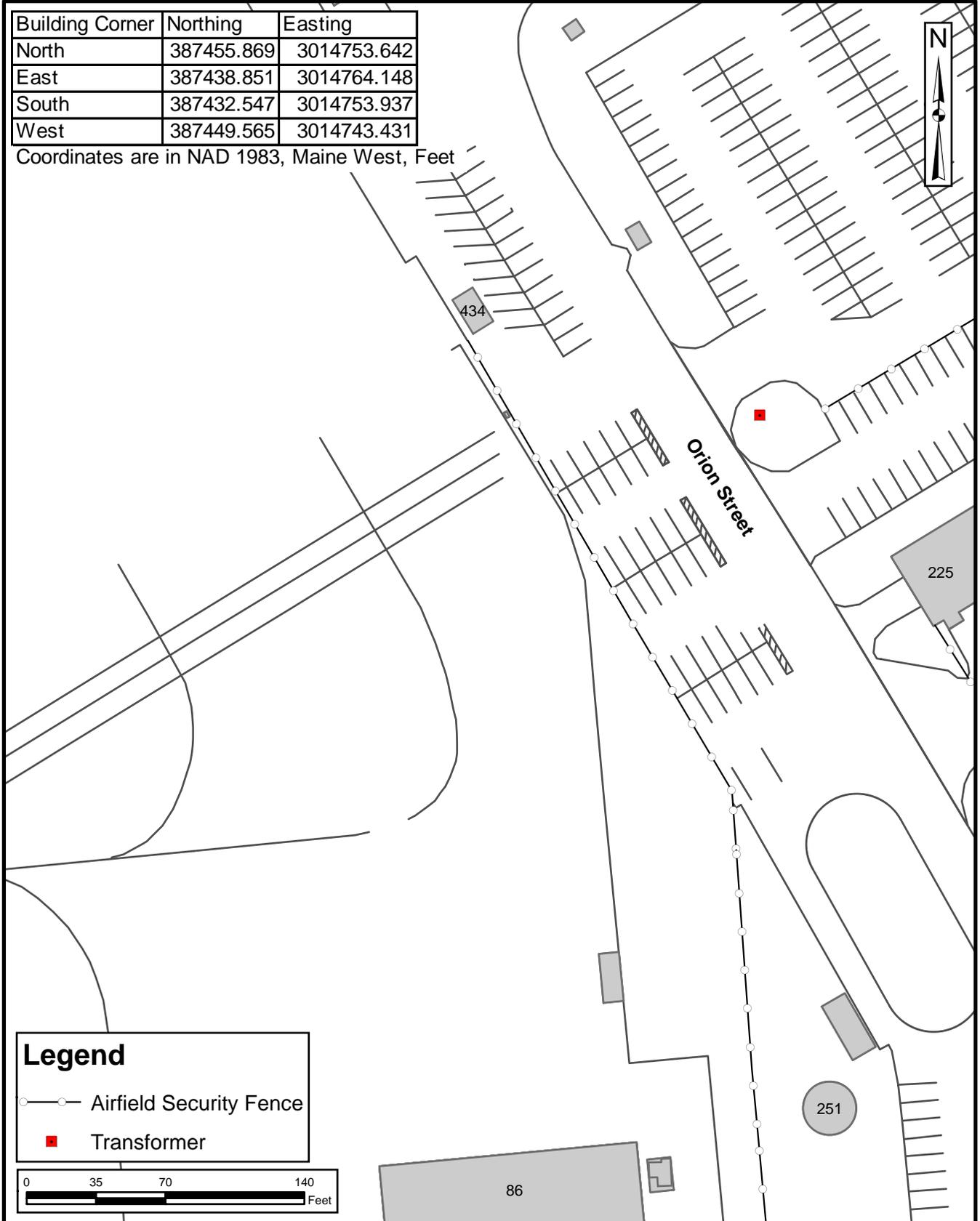
**SITE LOCATION MAP**  
**BUILDING 434 - VP-92 HGR 6W LINE SHACK**  
**RCRA PARTIAL CLOSURE REPORT**  
**NAVAL AIR STATION BRUNSWICK, MAINE**

SCALE AS NOTED	
FILE I:\NASB_BLDG_434_LOCUS.MXD	
REV 0	DATE 07/09/10
FIGURE NUMBER 1	

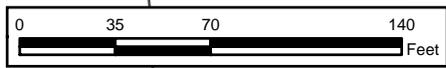
I:\02258\CP.DRNASB\_BLDG\_434\_SITE\_MAP.MXD DWM 07/08/10

Building Corner	Northing	Easting
North	387455.869	3014753.642
East	387438.851	3014764.148
South	387432.547	3014753.937
West	387449.565	3014743.431

Coordinates are in NAD 1983, Maine West, Feet



Legend	
	Airfield Security Fence
	Transformer



Tetra Tech NUS, Inc.

SITE LOCATION MAP  
 BUILDING 434 - VP-92 HGR 6W LINE SHACK  
 RCRA PARTIAL CLOSURE REPORT  
 NAVAL AIR STATION BRUNSWICK, MAINE

SCALE AS NOTED	
FILE VCP.DRNASB_BLDG_87_SITE_MAP.MXD	
REV 0	DATE 07/08/10
FIGURE NUMBER FIGURE NO. 2	

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

**Inspection Date:** 6/24/2010  
**Personnel:** James Forrelli, P.E. / Brian Geringer  
**Weather:** Overcast, 70s

<b>GENERAL BUILDING INFORMATION / USES</b>	
Building Name:	VP-92 Hangar 6 West Line Shack
Function:	Line Shack
Size:	375 SF
Year of Construction:	1980
<p>Building 434 (VP-92 Hangar 6 West Line Shack) is present in the northeastern portion of the Airfield Parking Apron Area. It was constructed in 1980 and consists of a 375 square-foot, single-story, wooden structure on wooden skids. Building 434 is located in the parking area east of the airfield perimeter fence, west of Orion Street, north of Building 86, and south of Buildings 45 and 292.</p> <p>Building 434 was used as a line shack for VP-92 and after being moved to it's current location, it has been used for storage of motorcycle training course gear.</p> <p>No hazardous waste was generated during the operations in Building 434, according to NASB personnel.</p> <p>Building 434 is heated via electric heat.</p>	
<b>BUILDING INSPECTION / CONDITION</b>	
<p>No record of hazardous waste stored at Building 434.</p> <p>The building was not occupied at the time of the site visit and appeared in fair condition. The interior contained supplies for the onbase motorcycle training course.</p> <p>No evidence of current or past hazardous waste generation activities was observed.</p> <p>No evidence of hazardous waste residues was observed.</p> <p>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.</p> <p>No hazardous waste storage areas or hazardous waste accumulation areas were observed.</p> <p>No transformers that could be a potential source of polychlorinated biphenyls (PCBs) contamination in the event of a leak were observed.</p>	
<b>HAZARDOUS WASTE STORED / GENERATED</b>	
<p>No hazardous waste was stored or generated at Building 434, according to NASB personnel.</p>	
<b>POTENTIAL PCB-CONTAINING TRANSFORMERS</b>	
<p>No potential PCB-containing transformers were identified during the site inspection or review of the NASB transformer database.</p>	

**APPLICABLE REPORTS / DOCUMENTS**

Available historical plans and aerial photos were reviewed for past property uses:  
1943 plan - No buildings are shown in the current location of Building 434. Hangar 1 is present to the north.  
1946 plan - The Building 434 location is labeled as parking. No buildings are present.  
1952 plan - same as 1946 plan.  
  
1956 plan - same as 1952 plan except a line shack (Building 79) is shown south of current Building 434 location.  
1957 plan - same as 1956 plan.  
1958 aerial - Building 434 area is a parking area south of Hangar 1.  
1975 plan - same as 1957 plan, except Building 79 is removed.  
1978 aerial - same as 1958 aerial.  
1979 plan - same as 1975 plan.  
1981 aerial - same as 1978 aerial.  
1983 plan - same as 1979 plan.  
1984 aerial - same as 1981 aerial.  
1989 plan - same as 1983 plan.  
1989 aerial - same as 1984 aerial.  
1993 aerial - same as 1989 aerial.  
2006 plan - same as 1989 plan.

No USTs were observed at Building 434  
No ASTs were observed at Building 434.

**HAZARDOUS WASTE STORAGE RECORDS**

No hazardous waste was historically stored at Building 103, 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:     *Bruce Smith*

**PHOTOGRAPHS**



No. 1 Building 434 – NAS Brunswick June 24, 2010  
Building 434 – VP-92 Line Shack exterior showing entrance.



No. 2 Building 434 – NAS Brunswick June 24, 2010  
Building 434- VP-92 Line Shack interior showing motorcycle training course supplies.