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NAS BRUNSWICK
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FINAL RESOURCE CONSERVATION AND RECOVERY ACT PARTIAL CLOSURE REPORT
FOR BUILDING 553 WITH TRANSMITTAL LETTER NAS BRUNSWICK ME
6/2/2010
NAS BRUNSWICK

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

June 2, 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

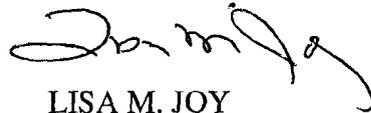
Subj: Final RCRA Partial Closure Report for Building 553

Dear Mr. Vigneault:

A copy of the Final RCRA Partial Closure Report for Building 553 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 553

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)
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RCRA PARTIAL CLOSURE REPORT
for
BUILDING 553 – AIRFIELD SUPPORT BUILDING PARCEL
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) RCRA or hazardous waste closure requirements have been completed for the Building 553 parcel at Naval Air Station Brunswick (NAS Brunswick).

2. PROPERTY DESCRIPTION

The Building 553 parcel is located in the central portion of NAS Brunswick (Figure 1). The approximate 1.83-acre parcel is bordered to the north by Buildings 555 and 611; to the east by Orion Street; to the south by Building 153; and to the west by the concrete airfield apron (Figure 2). The parcel contains Building 553, the Airfield Support Building, adjacent parking areas, and grass covered areas.

Building 553 was constructed in 2004 and was used for minor maintenance and storage of airfield snow removal and landscaping equipment. The building consists of a 15,888-square-foot steel-framed, one-story structure on a concrete slab foundation. A site plan is provided as Figure 2. Building 553 was heated by natural gas heat. Photographs of Building 553 are provided in the attachment.

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 the Building 553 parcel, including past use and operations at this location.

According to NAS Brunswick Environmental Department personnel, Building 553 has been used as snow removal and landscaping equipment storage since its construction in 2004. There is no record of hazardous waste generation at the Building 553 parcel.

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 (PWD) site base maps dated 1946, 1952, 1956, 1957, 1962, 1975, 1983, 1989, 2004, and 2006, to provide historical information.

Available historical maps and aerial photographs indicate that the Building 553 parcel was undeveloped and part of the cleared runway approach until sometime prior to 1952. Between 1952 and 2004, the area of the Building 553 parcel consisted of undeveloped land adjacent to the concrete airfield apron. The 2006 historical base map is the earliest map indicating the presence of Building 553.

According to NAS Brunswick records, a 15,000-gallon double-walled steel above ground storage tank (AST) (A553.1) used to store potassium acetate, a liquid runway deicing fluid, is present at the Building 553 parcel. According to NAS Brunswick records, no PCB-containing transformers or underground storage tanks (USTs) were present at the Building 553 parcel (PWD, 2010 and Environmental Department, 2009).

A 100-gallon steel tank oil/water separator (OWS) is located along the north side of Building 553. The floor drains inside the building flow to the OWS and then to the sanitary sewer system.

No groundwater investigations have been conducted in the vicinity of the Building 553 parcel; therefore, groundwater characterization information for the parcel is not available. Information available for known groundwater contamination areas at NAS Brunswick was reviewed to determine if groundwater underlying the Building 553 parcel could potentially be impacted by another (off-parcel) source area.

4. SITE VISIT AND INVESTIGATION

A site visit was conducted by Mr. James Forrelli, P.E. and Mr. Brandon Smith, P.E. of Tetra Tech on April 28, 2010. 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 553 parcel was visually inspected for signs of hazardous waste generation or storage activity. Site visit observations, recorded on the attached Building Inspection Form ⁽¹⁾, are summarized below:

- At the time of the building inspection, the Building 553 were occupied and in good condition. Snow removal equipment and landscaping equipment was 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.) 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.

The areas of known groundwater contamination at NAS Brunswick were reviewed with respect to the location of the Building 553 parcel. Based on this review, as well as the review of available information on historical activities that occurred at the parcel, there is no evidence to suggest that groundwater underlying the Building 553 parcel has been adversely impacted by a release, either from within the parcel or from another (off-parcel) source area.

Based on the records research findings and site visit observations, it was determined that neither further inspection nor sampling of the Building 553 parcel 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 the Building 553 parcel.

6. OTHER ENVIRONMENTAL CONSIDERATIONS

No USTs or ASTs, other than those described in Section 3, were observed at the Building 553 parcel. Building 553 is heated by natural gas from an off-base public utility.

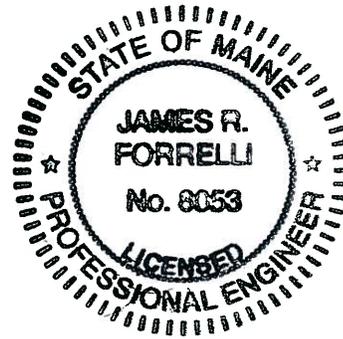
7. LIMITATIONS

This investigation of the hazardous waste closure requirement applies to the Building 553 parcel (as shown on Figure 2) only.

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 553 parcel, NAS Brunswick, Maine. Therefore, the hazardous waste closure of the Building 553 parcel 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.

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, 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.

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

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.

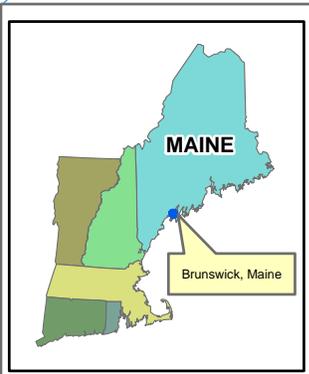
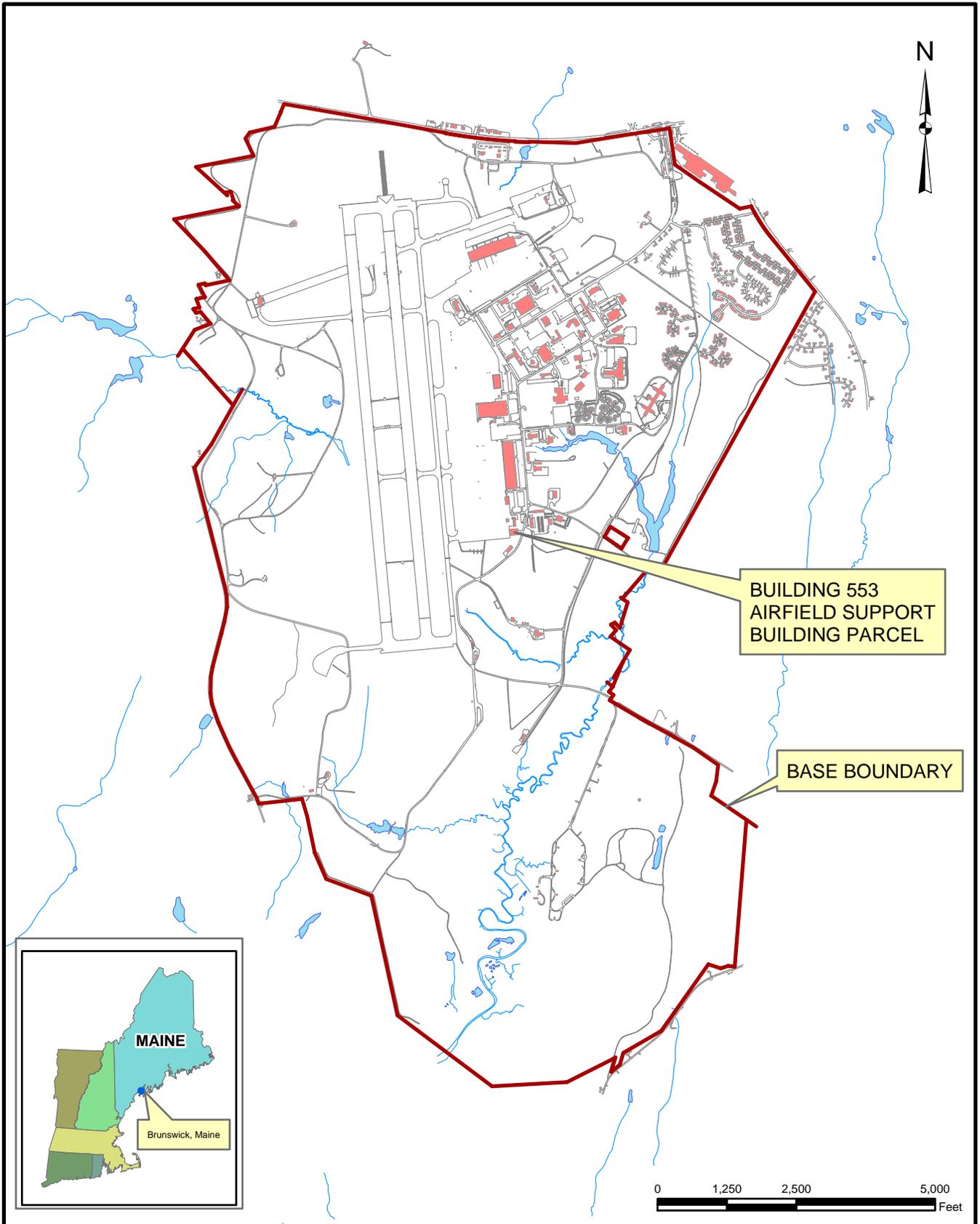
PWD, 1975. General Development, Existing and Planned, Operations Area, US Naval Air Station, Brunswick, Maine.

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.

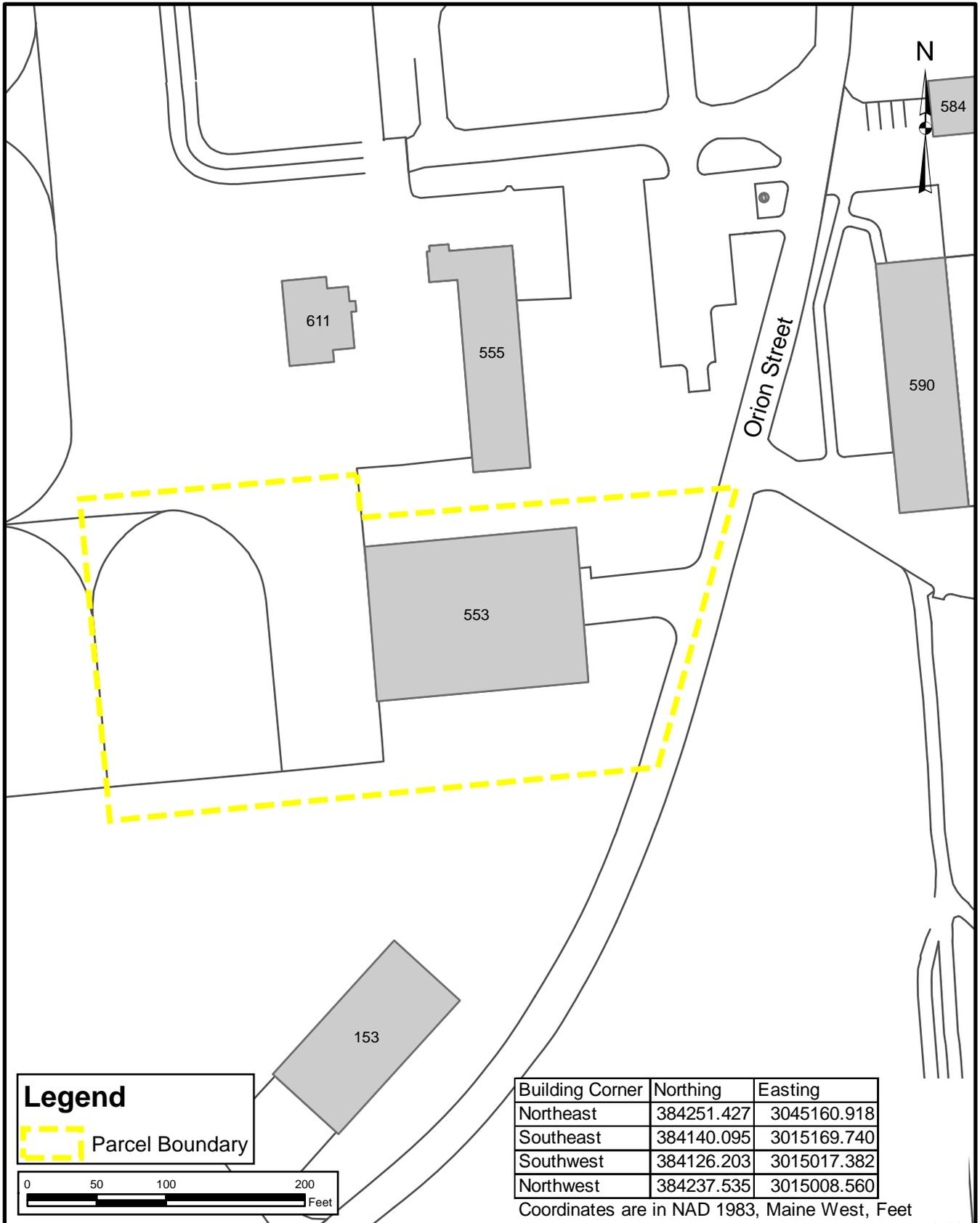
PWD, 2006. Brunswick Naval Air Station Base Map, NAS Brunswick, Maine.

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



SITE LOCATION MAP
BUILDING 553 - AIRFIELD SUPPORT BUILDING PARCEL
RCRA PARTIAL CLOSURE REPORT
NAVAL AIR STATION BRUNSWICK, MAINE

SCALE AS NOTED	
FILE I:\NASB_BLDG_553_LOCUS.MXD	
REV 0	DATE 05/20/10
FIGURE NUMBER 1	



Legend
 Parcel Boundary



Tetra Tech NUS, Inc.

SITE LOCATION MAP
 BUILDING 553 - AIRFIELD SUPPORT BUILDING PARCEL
 RCRA PARTIAL CLOSURE REPORT
 NAVAL AIR STATION BRUNSWICK, MAINE

SCALE AS NOTED	
FILE VCP.DRNASB_BLDG_553_SITE_MAP.MXD	
REV 0	DATE 06/15/10
FIGURE NUMBER FIGURE NO. 2	

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

Inspection Date: 4/28/2010
Personnel: James Forrelli, P.E. / Brandon Smith, P.E.
Weather: Overcast 40s

GENERAL BUILDING INFORMATION / USES	
Building Name:	Airfield Support Building
Function:	Storage of snow removal and landscaping equipment
Size:	15,888 SF
Year of Construction:	2004
<p>Building 553 is located east of the concrete apron area, west of Orion Street, north of Building 153 and south of Building 555 at NAS Brunswick. It was constructed in 2004 and served as an airfield support building for its entire history. Building 553 consists of a 15,888 square foot steel-frame building with metal siding on a concrete slab foundation.</p> <p>Building 553 was used to store snow removal and landscaping equipment for NASB. The building interior consists of a large open space with an office and rest room in the northeast corner of the building.</p> <p>No hazardous waste was generated during the operations of Building 553, according to NASB personnel.</p> <p>Building 553 was heated via natural gas heat.</p>	
BUILDING INSPECTION / CONDITION	
<p>No record of hazardous waste stored at Building 553.</p> <p>Building 553 appeared in good condition at the time of the site visit. Snow removal equipment (snow plows, etc) and materials (supersacks of urea) and landscaping equipment (lawn mowers, etc) were present. 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.</p>	
HAZARDOUS WASTE STORED / GENERATED	
<p>No hazardous waste was stored or generated at Building 553, according to NASB personnel.</p>	
POTENTIAL PCB-CONTAINING TRANSFORMERS	
<p>The NASB transformer database listed no transformers associated with Building 553.</p>	

APPLICABLE REPORTS / DOCUMENTS

Available historical plans and aerial photos were reviewed for past property uses:
1943 plan - Area not shown.
1946 plan - Original runway and taxiways shown. Building 553 area is part of the cleared runway approach area.
1952 plan - New runways and taxiways shown. No buildings shown at Building 553 location.
1956 plan - Same as 1952 plan
1958 aerial - Concrete apron area present. No buildings present in B553 parcel.
1975 plan - Area not shown.
1978 aerial - Buildings 555 and 611 present to the north of B553 parcel.
1981 aerial - Same as 1978 aerial.
1983 plan - No building present on B553 parcel. Buildings 555 and 611 present to the north.
1984 aerial - Same as 1981 aerial.
1989 plan - same as 1983 plan.
1989 aerial - same as 1984 aerial
1993 aerial - same as 1989 aerial
1997 aerial - Same as 1993 aerial.
2006 plan - Building identified at current location with B153 to the south and B555 and B611 to the north.

The following ASTs were present at Building 553 according to NASB records:
A553.1 - 15,000 gallon DWS (potassium acetate) for de-icing (installed 2006, active).

No USTs were present at Building 553 according to NASB records.

HAZARDOUS WASTE STORAGE RECORDS

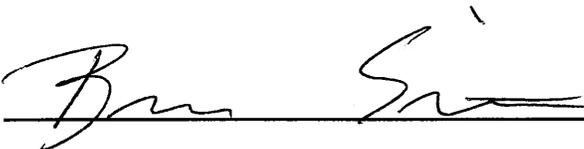
No hazardous waste was historically stored at Building 553, according to NAS Brunswick Hazardous Waste Manager, D. Bruce Smith.

MISCELLANEOUS NOTES

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

(SEE ATTACHED BUILDING FLOOR PLAN AND PHOTOGRAPHS)

INSPECTOR SIGNATURE:



Brandon Smith, P.E.

PHOTOGRAPHS



No. 1 Building 553 – NAS Brunswick April 28, 2010
Airfield Support Building (western elevation, apron side); potassium acetate AST at right



No. 2 Building 553 – NAS Brunswick April 28, 2010
Airfield Support Building (eastern elevation, Orion Street side)

PHOTOGRAPHS



No. 3 Building 553 – NAS Brunswick
Airfield Support Building interior

April 28, 2010



No. 4 Building 553 – NAS Brunswick
Airfield Support Building interior

April 28, 2010