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NAS BRUNSWICK
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FINAL RESOURCE CONSERVATION AND RECOVERY ACT PARTIAL CLOSURE REPORT
FOR BUILDING 554 FLEET SUPPORT UNIT COMMAND PATROL AND RECONNAISSANCE
WING FIVE PARCEL NAS BRUNSWICK ME
3/1/2010
TETRA TECH NUS

RCRA PARTIAL CLOSURE REPORT
for
BUILDING 554 – FSU CPRW 5 PARCEL
NAVAL AIR STATION BRUNSWICK, MAINE
USEPA IDENTIFICATION NUMBER ME8170022018
MARCH 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 the Building 554 parcel at Naval Air Station Brunswick (NAS Brunswick).

2. PROPERTY DESCRIPTION

The Building 554 parcel is located in the northern portion of NAS Brunswick (see Figure 1). The parcel is located inside of the airfield security fence on the eastern side of the air field parking apron, south of Hangar 5. A large, asphalt-covered parking area borders the parcel on the east.

Building 554, known as the known as the Fleet Support Unit (FSU), occupies the northwest area of the 0.5-acre parcel. The eastern and southern areas of the parcel are grass-covered. The building was constructed in 2002 and served as the FSU for Commander Patrol and Reconnaissance Wing Five (CPRW 5). The building consists of a 10,000-square-foot, one-story structure on a concrete slab foundation. Building 554 is heated by a natural gas boiler. A site plan and floor plan are provided as Figure 2 and Figure 3, respectively.

This building contains administrative, training, and conference spaces, and a maintenance bay for radar and other electronic components. According to NAS Brunswick personnel, the majority of activities carried out in Building 554 were administrative and training in nature. In the maintenance bay circuit boards and other components were removed and replaced. No soldering or electrical repair work occurred in the building. Discarded components were shipped off site for disposal. Photographs of Building 554 are provided in the attachment to this report.

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 the Building 554 parcel including past use and operations at that location.

According to NAS Brunswick Environmental Department personnel, since its construction in 2002, the sole use of Building 554 has been as the FSU. There is no record of hazardous waste operations at Building 554.

Records reviewed include: historical aerial photographs; the NAS Brunswick Other Environmental Liabilities (OEL) Database; area-specific reports; facility plans and drawings; and hazardous operation records. Aerial photographs dated 1958, 1978, 1984, and 1989 (all produced by James W. Sewall Company) were reviewed along with Public Works Department site base maps dated 1946, 1952, 1956, 1962, 1983, 1989, and 2006 to provide historical information.

Building 554 does not appear on available historical site plans or aerial photographs until 2006. Historic site plans between prior to 1958 shows no buildings present in the approximate current location of the Building 554 parcel. The 1958 and the 1978 aerial photographs show an airfield extension south of Hangar 4 in the approximate current location of Building 554. Aerial photographs and site plans between 1983 and 1989 show an unidentified building in the

approximate current location of Building 554. A 1996 site plan shows former Building 617 in this location. Records research identifies it as ASME Storage. Interviews with Public Works personnel confirm that the building was used to store aviation ground support equipment. No maintenance was performed in the building. The 2006 site plan shows Building 554 in its current location and configuration.

According to NAS Brunswick Environmental Department personnel, since its construction in 2002, the sole use of Building 554 has been as the FSU. There is no record of hazardous waste operations at the Building 554 parcel.

According to the NAS Brunswick database, no transformers are associated with Building 554. No underground storage tanks (USTs) have been utilized at Building 554 according to NAS Brunswick records. One 100-gallon above ground storage tank (AST) (A554.0) containing diesel fuel is present at Building 554. The AST is associated with a diesel emergency generator and was installed in 2003. No accidental releases were identified in the NAS Brunswick or MEDEP spill records relating to Building 554.

No groundwater investigations have been conducted in the vicinity of the Building 554 parcel; therefore groundwater characterization information for the parcel is not available. Available information for known groundwater contamination areas at NAS Brunswick was reviewed to determine if groundwater underlying the Building 554 parcel could potentially be impacted by another (off-parcel) source area.

4. SITE VISIT AND INVESTIGATION

A site visit was conducted by Mr. Brandon Smith, P.E., Ms. Chelsea Fellows-Swenson, Ms. Mindi Messmer, and Mr. James Forreli, P.E. of TtNUS on January 21, 2010. The purpose of this 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 554 location 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:

- The building was not occupied at the time of the site visit and appeared in excellent condition. Office furniture was still 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.) nor 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.

The available information regarding the historical activities that occurred at the parcel and the location of known NAS Brunswick groundwater contamination areas indicates that there is no evidence to suggest that groundwater underlying the Building 554 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 554 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, no hazardous waste was generated or stored at Building 554 with the exception of universal waste including batteries and computer monitors.

6. OTHER ENVIRONMENTAL CONSIDERATIONS

No USTs have been utilized at the Building 554 parcel according to NAS Brunswick records. One 100-gallon AST (A554.0) containing diesel fuel is present at the Building 554 parcel. The AST is associated with a diesel emergency generator and was installed in 2003. No other tanks were observed in the immediate vicinity of Building 554.

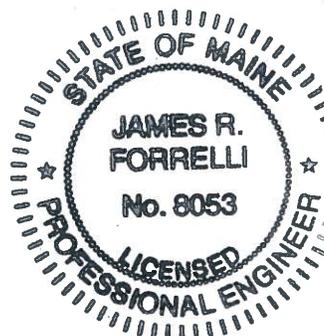
7. LIMITATIONS

This investigation of the hazardous waste closure requirement applies to the Building 554 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 554 parcel, NAS Brunswick, Maine. Therefore, the hazardous waste closure of the Building 554 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 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

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

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

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

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

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

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

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

Master/Historical Underground Storage Tank Inventory. NAS Brunswick, Maine. 02/05/96.

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

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

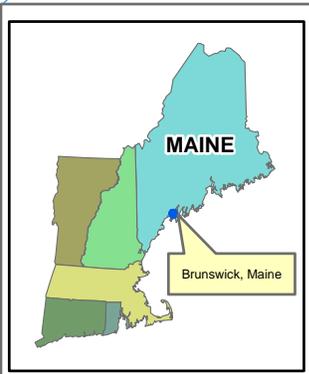
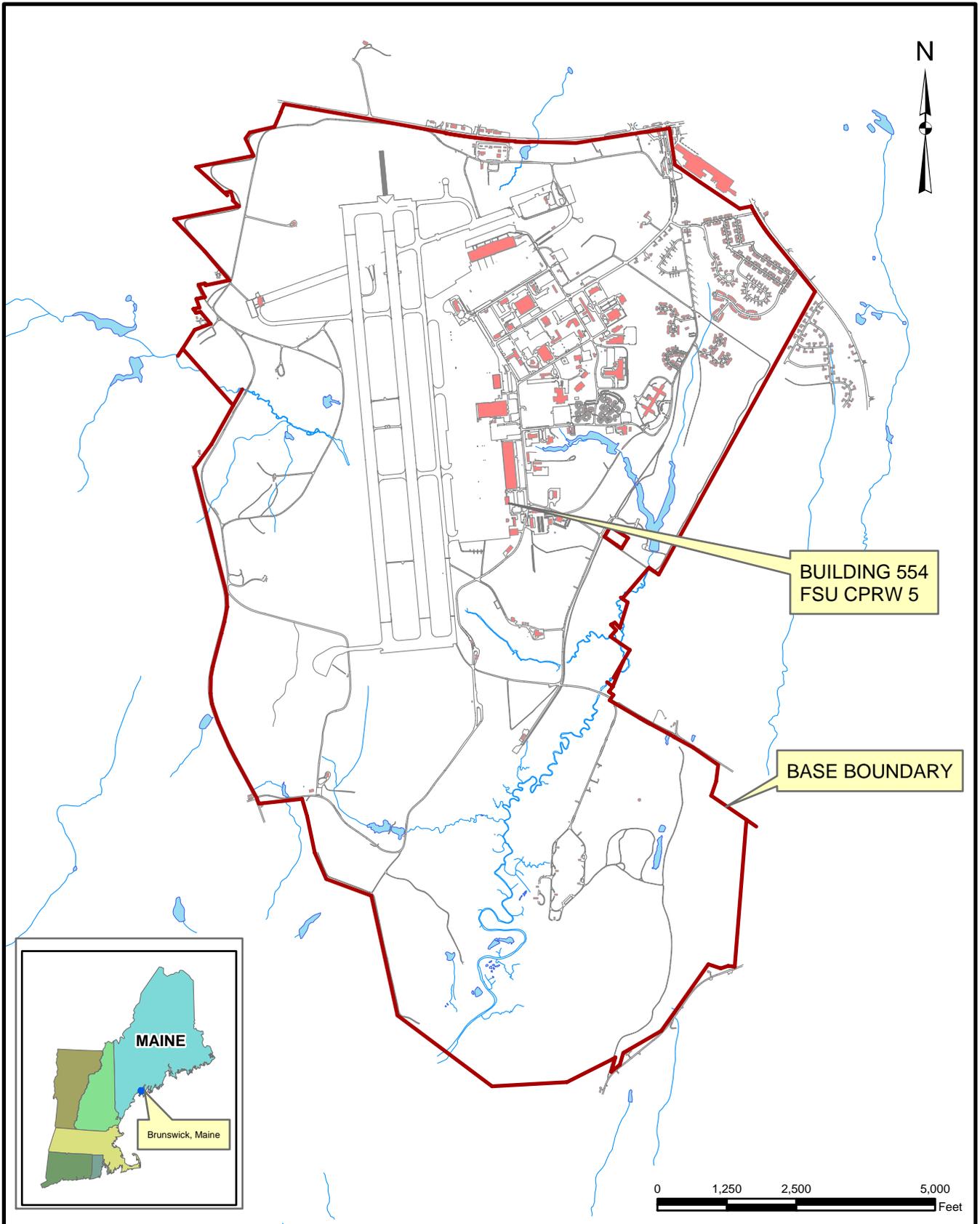
Public Works Department, 1956. General Station Map, Enclosure 2. , NAS Brunswick, Maine. 1956.

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

Public Works Department, 1983. "Existing Conditions Map. Public Works Department Drawing No. 2157" NAS Brunswick, Maine. May 5, 1983.

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

Public Works Department, 2006. Brunswick Naval Air Station, NAS Brunswick, Maine. 2006.

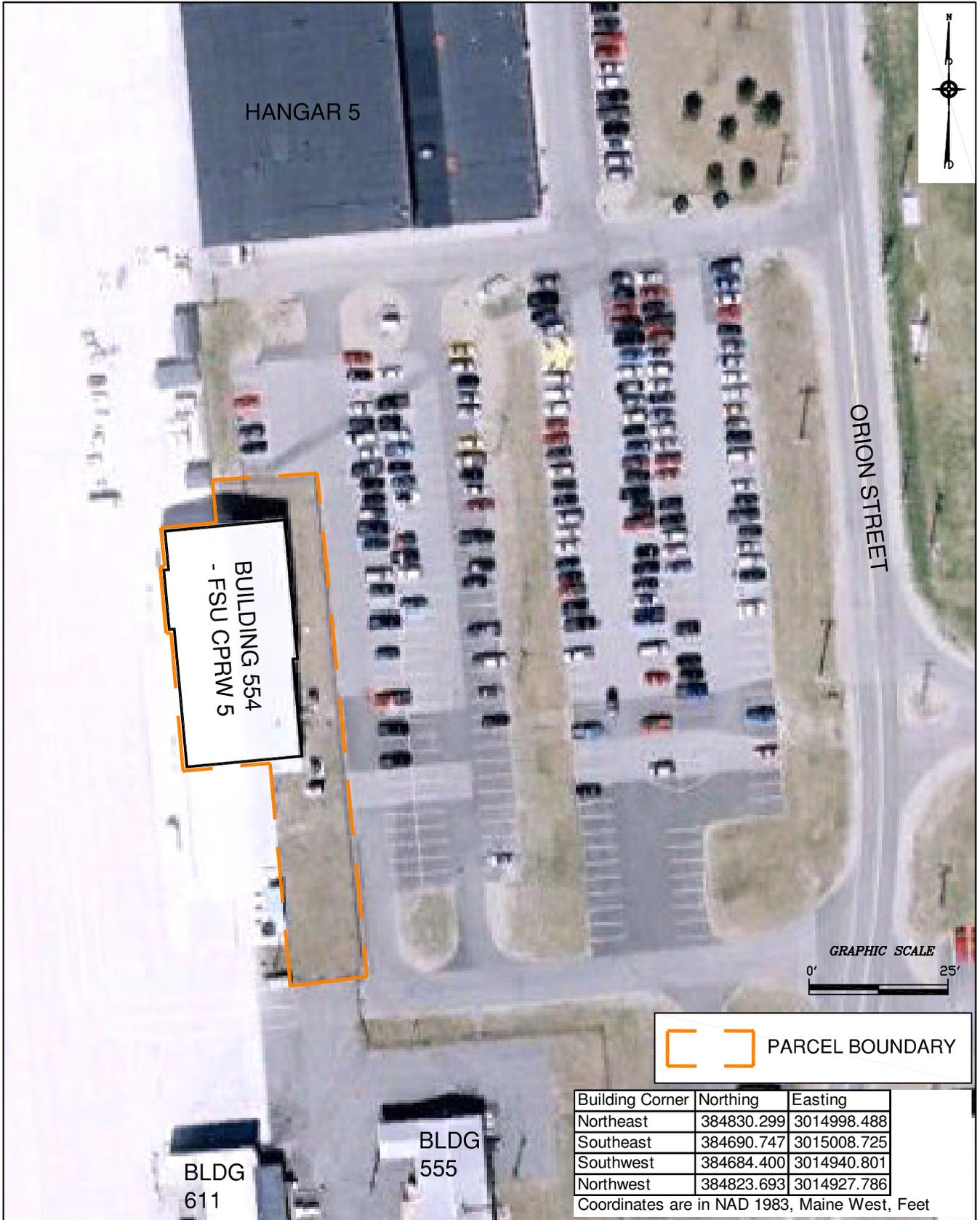


0 1,250 2,500 5,000 Feet



SITE LOCATION MAP
 BUILDING 554 - FSU CPRW 5
 RCRA PARTIAL CLOSURE REPORT
 NAS BRUNSWICK, MAINE

SCALE AS NOTED	
FILE I:\NASB_BLDG_554_LOCUS.MXD	
REV 0	DATE 02/23/10
FIGURE NUMBER 1	



 PARCEL BOUNDARY

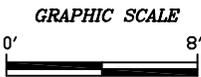
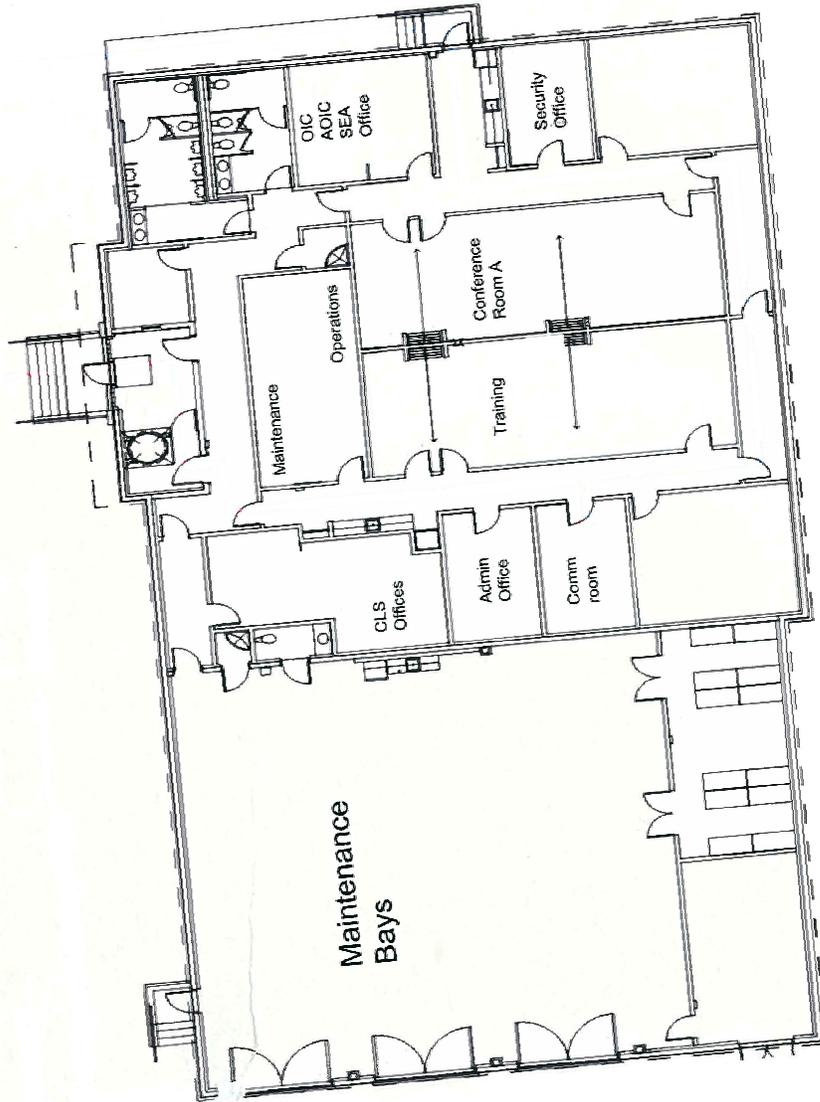
Building Corner	Northing	Easting
Northeast	384830.299	3014998.488
Southeast	384690.747	3015008.725
Southwest	384684.400	3014940.801
Northwest	384823.693	3014927.786

Coordinates are in NAD 1983, Maine West, Feet



SITE LOCATION MAP
BUILDING 554 – FSU CPRW 5 PARCEL
RCRA PARTIAL CLOSURE REPORT
NAS BRUNSWICK, MAINE

SCALE AS NOTED	
FILE \\NASB_BLDG_554_ORTHO.DWG	
REV 0	DATE 03/05/10
FIGURE NUMBER FIGURE NO. 2	



TETRA TECH NUS, INC.

FLOOR PLAN
 BUILDING 554 – FSU CPRW 5
 RCRA PARTIAL CLOSURE REPORT
 NAS BRUNSWICK, MAINE

SCALE
 AS NOTED

FILE
 \..NASB_BLDG_554_FP.DWG

REV DATE
 0 02/10/10

FIGURE NUMBER
 FIGURE NO. 3

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

Inspection Date: 1/21/2010

Personnel: James Forrelli, P.E. / Brandon Smith, P.E. / Chelsea Fellows-Swenson/ Mindi Messmer

Weather: Clear, 20s

GENERAL BUILDING INFORMATION / USES

Building Name: Fleet Support Unit (FSU) Building
Function: Fleet support unit for COMPATRECONWING 5 (CPRW-5)
Size: 10,000 SF
Year of Construction: 2002

Building 554 is located west of Orion Drive and south of Hangar 5 inside the airfield fence NAS Brunswick. It was constructed in 2002 and served as a Fleet support unit facility for its entire history. Building 554 consists of a 10,000 square-foot, one story building on a slab foundation.

Building 554 was used as a Fleet support unit Building. Building 554 contains administrative, training, and conference spaces, and a maintenance bay where radar and other electrical components were switched out. No soldering or electrical repair occurred, just removing and replacing of circuit boards and components. The majority of activities were administrative and training in nature.

No hazardous waste was generated, with the exception of universal waste including batteries and computer monitors, during the operations in Building 554, according to NASB personnel.

Building 554 is heated by a natural gas boiler.

BUILDING INSPECTION / CONDITION

No record of hazardous waste stored at Building 554.

The building was not occupied at the time of the site visit and appeared in excellent condition. Office furniture was still 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.

No transformers that could be a potential source of polychlorinated biphenyls (PCBs) contamination in the event of a leak were observed.

HAZARDOUS WASTE STORED / GENERATED

No hazardous waste was stored or generated at Building 554, according to NASB personnel.

POTENTIAL PCB-CONTAINING TRANSFORMERS

No potential PCB-containing transformers were identified during the site inspection or review of the NASB transformer database.

APPLICABLE REPORTS / DOCUMENTS

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

1946 plan - No buildings present.

1952 plan - Same as 1946

1956 plan - Same as 1952

1958 aerial - No buildings present, airfield apron extended south of Hangar 4 in location of Building 554.

1962 plan - Only shows industrial area, not location of 554.

1978 aerial - same as 1958 aerial

1983 plan - unidentified building present, not building 554.

1984 aerial - unidentified building present, not building 554.

1989 plan - unidentified building present, not building 554.

1989 aerial - same as 1978 aerial

2006 plan - Building 554 present in current location.

No USTs were present at Building 554 according to NASB records.

One 100-gallon AST (A554.0) containing diesel fuel was present at Building 554. The AST is associated with a diesel emergency generator and was installed in 2003.

HAZARDOUS WASTE STORAGE RECORDS

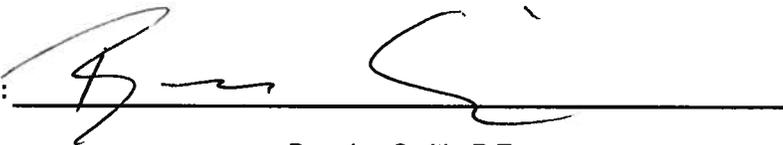
No hazardous waste was historically stored at Building 554, according to NAS Brunswick Hazardous Waste Manager, D. Bruce Smith.

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 554 – NAS Brunswick
Building 554 FSU CPRW 5 – Exterior (north elevation)

January 21, 2010



No. 2 Building 554 – NAS Brunswick
Building 554 FSU CPRW 5 – Maintenance bay area.

January 21, 2010