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NAS BRUNSWICK
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FINAL RESOURCE CONSERVATION AND RECOVERY ACT PARTIAL CLOSURE REPORT
FOR BUILDING 10 WITH TRANSMITTAL LETTER NAS BRUNSWICK ME
7/30/2010
NAS BRUNSWICK

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

July 30, 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 10

Dear Mr. Vigneault:

A copy of the Final RCRA Partial Closure Report for Building 10 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,


For LISA M. JOY
Environmental Director

Enclosure: (1) Final RCRA Partial Closure Report for Building 10

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 10 – OIL SPILL EQUIPMENT BUILDING
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) RCRA or hazardous waste closure requirements have been completed for the Building 10 parcel at Naval Air Station Brunswick (NAS Brunswick).

2. PROPERTY DESCRIPTION

The Building 10 parcel is located in the north-central portion of NAS Brunswick (Figure 1). (Note that building identification number 10 was previously assigned to the former Ground Support Equipment Maintenance Building, located on Orion Street north of Building 225.) The approximately 0.67-acre parcel is bordered to the west by Pegasus Street and is circumscribed to the north, northeast and east by Sixth Street and to the southeast by Building 32 (Old Fuel Farm Office) (Figure 2). Further to the north is an access road to the New Fuel Farm. Building 10, the Oil Spill Equipment Building, is located near the northern most portion of the parcel and immediately south of Sixth Street. A stand of trees covers the remaining area of the relatively flat parcel.

Constructed in 2004, Building 10 consists of a single 400-square-foot room. It is a one-story, wooden pre-fabricated building on a concrete slab foundation. The building has a 10-foot-wide, overhead garage door and is used to store oil spill response materials. Materials stored in Building 10 include spill kits, absorbent materials, brooms, and plastic containers. Building 10 is heated by electric baseboard heaters. Photographs of the facility are provided as an attachment to this report.

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 10 parcel, including past use and operations at this location.

According to NAS Brunswick Environmental Department personnel, from its construction in 2004, Building 10 was used to store oil-spill-response equipment. There is no record of hazardous waste generation or accumulation at Building 10.

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, 1984, and 1989 (all produced by James W. Sewall Company) were reviewed along with Public Works Department (PWD) site base maps dated 1943, 1946, 1952, 1956, 1957, 1975, 1989, 2004, and 2006 to provide historical information.

Building 10 is not present on any available historical aerial photos or NAS historic base maps reviewed (through 2006, as noted above); although according to site records, the building was built in 2004.

According to NAS Brunswick records, no transformers, underground storage tanks (USTs), or aboveground storage tanks (ASTs) were present at Building 10 (PWD, 2010; Environmental Department, 2009).

According to available site information, no groundwater investigations have been conducted in at the Building 10 parcel; therefore, groundwater characterization information for the parcel is not available. Information for known, nearby groundwater contamination areas was reviewed to determine if groundwater underlying the Building 10 parcel could potentially be impacted by another (off-parcel) source area. The only identified groundwater contamination in the vicinity of the Building 10 parcel is the dissolved phase hydrocarbon plume associated with the Old Navy Fuel Farm (ONFF) and pesticides and hydrocarbons detected in Site 17 (Former Building 95 Pesticide Storage Facility) groundwater. Recent ONFF groundwater monitoring program results indicate that groundwater flows to the southeast from the ONFF across Fitch Avenue (ESI, 2009) and away from the Building 10 parcel. Similarly the investigation at Site 17 indicated that groundwater flow is southeast and away from the Building 10 parcel. Based upon the available groundwater monitoring program information, it is unlikely that groundwater at Building 10 is impacted by either the ONFF or the Site 17 groundwater impacts.

NAS Brunswick Instruction 5090.1C establishes institutional controls for the base that include an interim soil restriction zones for the ONFF site and Site 17 (NAS Brunswick, 2008). The instruction specifies the use of administrative controls that restrict excavation/disturbance of soils within the zone. The ONFF interim soil restriction zone does not incorporate the Building 10 parcel and there is no data that indicate contaminated soil is present at the Building 10 parcel. The ONFF interim soil restriction zone boundary extends to the southern border of the Building 10 parcel. Similarly the Site 17 interim soil restriction zone does not incorporate the Building 10 parcel.

4. SITE VISIT AND INVESTIGATION

A Building 10 parcel site visit was conducted by Mr. James Forrelli, P.E., Ms. Mindi Messmer and Mr. Brian Geringer of Tetra Tech on June 23, 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 10 parcel location 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 the building inspection, Building 10 was in use to store spill response equipment and was in good condition.
- No other structures were located within the parcel.
- 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 available information regarding the historical activities that occurred at the parcel and the location of known NAS Brunswick groundwater contamination areas indicate that there is no evidence to suggest that groundwater underlying the Building 10 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 10 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 generation, hazardous waste accumulation, or hazardous waste storage was conducted at the Building 10 parcel.

6. OTHER ENVIRONMENTAL CONSIDERATIONS

No USTs or ASTs were observed at the Building 10 parcel, as described in Section 3.

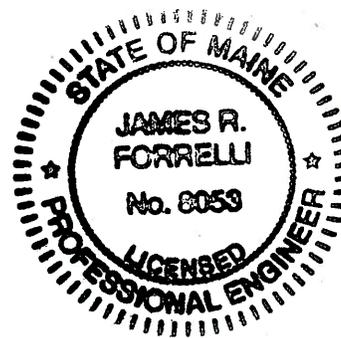
7. LIMITATIONS

This investigation of the hazardous waste closure requirement applies to the Building 10 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 10 parcel, NAS Brunswick, Maine. Therefore, the hazardous waste closure of the Building 10 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

Ecor Solutions, Inc., 2009. Final Groundwater Monitoring Report, April 2008 and October 2008 Sampling Events, Old Navy Fuel Farm, Naval Air Station Brunswick, Maine. September.

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

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

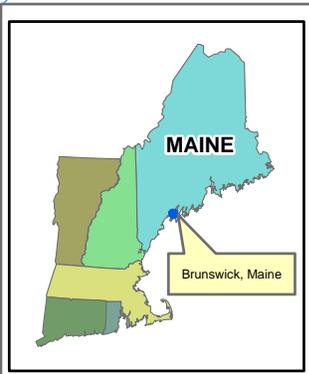
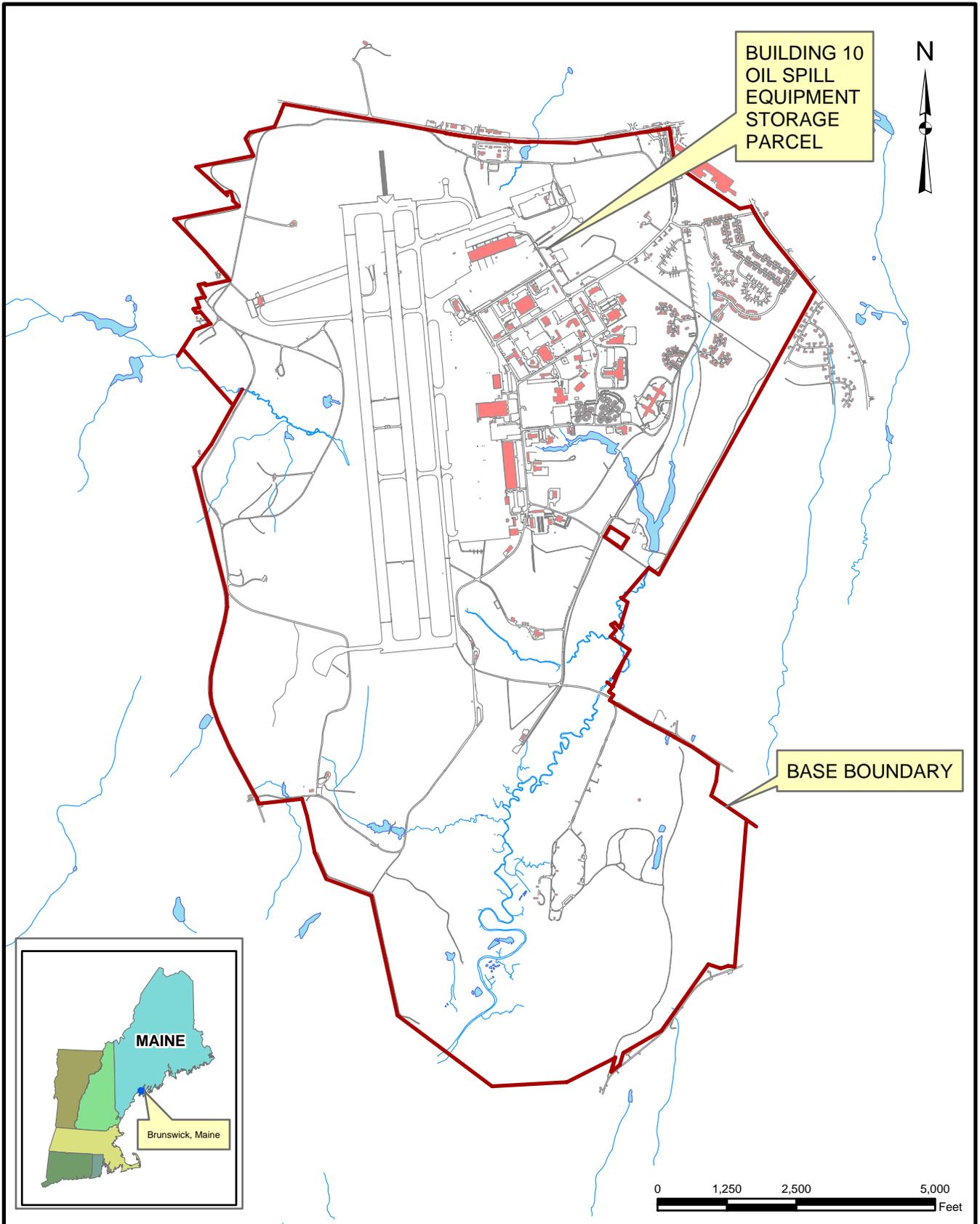
PWD, 2006. Brunswick Naval Air Station, NAS Brunswick, Maine.

PWD, 2004. Brunswick Naval Air Station, NAS Brunswick, Maine.

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

Tetra Tech NUS (Tetra Tech), 2009. Remedial Investigation Report for Site 17. Naval Air Station Brunswick, Brunswick, Maine. Contract Task Order WE09. July.

Tetra Tech, 2010. Interim Report Soil Background Study for Naval Air Station Brunswick, NAS Brunswick, Maine. April.

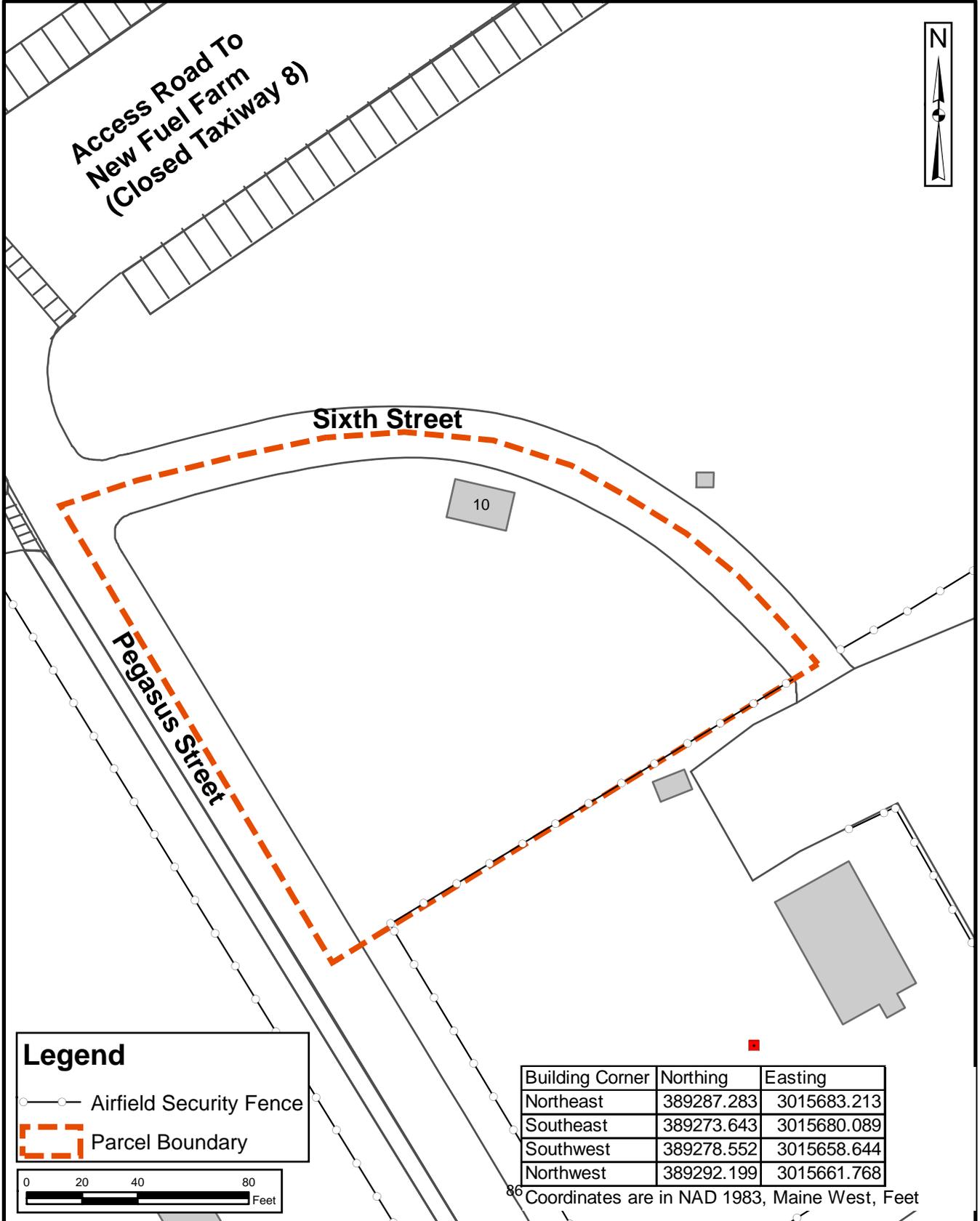


Tetra Tech NUS, Inc.

SITE LOCATION MAP
 BUILDING 10 - OIL SPILL EQUIPMENT STORAGE PARCEL
 RCRA PARTIAL CLOSURE REPORT
 NAVAL AIR STATION BRUNSWICK, MAINE

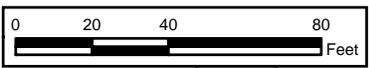
SCALE AS NOTED	
FILE I:\02258\CP\DRIN\ASB_BLSG_10_LOCUS.MXD	
REV 0	DATE 07/19/10
FIGURE NUMBER 1	

I:\02258\CP.DRW\NASB_BLDG_10_SITE_MAP.MXD DWM 07/19/10



Legend

- Airfield Security Fence
- Parcel Boundary



Building Corner	Northing	Easting
Northeast	389287.283	3015683.213
Southeast	389273.643	3015680.089
Southwest	389278.552	3015658.644
Northwest	389292.199	3015661.768

Coordinates are in NAD 1983, Maine West, Feet



Tetra Tech NUS, Inc.

SITE LOCATION MAP
 BUILDING 10 - OIL SPILL EQUIPMENT STORAGE PARCEL
 RCRA PARTIAL CLOSURE REPORT
 NAVAL AIR STATION BRUNSWICK, MAINE

SCALE AS NOTED	
FILE L:\NASB_BLDG_10_SITE_MAP.MXD	
REV 0	DATE 07/19/10
FIGURE NUMBER FIGURE NO. 2	

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

Inspection Date: 6/23/10

Personnel: Brian Geringer / James Forrelli, P.E. / Mindi Messmer

Weather: Cloudy, 70s

GENERAL BUILDING INFORMATION / USES

Building Name: Oil Spill Equipment Building
Function: Storage of Spill Response Supplies
Size: 400 SF
Year of Construction: 2004

Building 10 is located in the northern portion NASB Brunswick. The Building 10 parcel is bordered to the west by Pegasus Street, circumvented to the north, northeast and east by 6th Street and to the south/southeast by Building 32 (Old Fuel Farm Office). Further to the north is the access road to the New Fuel Farm. Building 10 was constructed in 2004 and served as a spill supply storage building for its entire history. Building 10 consists of a 400-square foot, single-room, single-level wooden pre-fabricated building on a concrete slab foundation. The building has a 10-foot wide overhead garage door. Building 10 is heated by electrical baseboard radiant heaters.

HWSA INSPECTION / CONDITION

- No record of hazardous waste stored at Building 10.
- At the time of inspection, Building 10 housed supplies and was in good condition.
- The interior consisted of one room where spill response materials including, boom, spill kits, spill pads were stored.
- 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.

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.

APPLICABLE REPORTS / DOCUMENTS

Available historical aerial photos were reviewed for past uses:

- 1943 map – Vacant.
- 1946 map – Same as 1943 map.
- 1952 map – Same as 1943 map.
- 1956 map – Vacant, Building T-230 (Fuel Farm Office) present to the south.
- 1957 map – Vacant, Building 267 (Fuel Farm Office) present to the south.
- 1958 aerial – Wooded, fuel farm office present to the south.
- 1975 map – Vacant, Building 267 (Fuel Farm Office) and Building T-212 (Storehouse for Refueling Contractor) present to the south.
- 1978 aerial – Same as 1958 aerial.
- 1978 map – Vacant, no buildings depicted to the south.
- 1979 map – Vacant, Building 32 (Fuel Farm Office) and Building T-212 (Storehouse for Refueling Contractor) present to the south.
- 1981 aerial – Same as 1958 aerial.
- 1984 aerial – Same as 1958 aerial.
- 1989 map – Vacant, Building 32 (Fuel Farm Office) not depicted to south.
- 1989 aerial – Same as 1958 aerial.
- 1993 aerial – Same as 1958 aerial.
- 1997 aerial – same as 1958 aerial.
- 2006 map – Vacant, Building 32 (Fuel Farm Office) depicted to the south.

No underground storage tanks (USTs) or above ground storage tanks (ASTs) are registered at Building 10.

HAZARDOUS WASTE STORAGE RECORDS

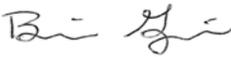
No hazardous waste was historically stored at Building 10 according to NAS Brunswick Hazardous Waste Manager, D. Bruce Smith.

MISCELLANEOUS NOTES

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

(SEE ATTACHED SITE SKETCH AND HWSA SKETCH)

(SEE ATTACHED PHOTOGRAPHS)

INSPECTOR SIGNATURE: 

PHOTOGRAPHS



No. 1

Building 10 Parcel – NAS Brunswick

June 23, 2010

Oil Spill Equipment Building - northeast elevation



No. 2

Building 10 Parcel – NAS Brunswick

June 23, 2010

Oil Spill Equipment Building interior view from overhead door located on the building's northeast side