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NAS BRUNSWICK
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FINAL RESOURCE CONSERVATION AND RECOVERY ACT PARTIAL CLOSURE REPORT
FOR BUILDINGS 471 AND 472 WITH TRANSMITTAL LETTER NAS BRUNSWICK ME
10/19/2010
NAS BRUNSWICK

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

October 19, 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 Buildings 471 and 472

Dear Mr. Vigneault:

A copy of the Final RCRA Partial Closure Report for Buildings 471 and 472 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 Buildings 471 and 472

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 471 – MAIN GATE ADMINISTRATIVE VEHICLE INSPECTION TENT
BUILDING 472 – MAIN GATE SUPPORT BUILDING
NAVAL AIR STATION BRUNSWICK, MAINE
USEPA IDENTIFICATION NUMBER ME8170022018
OCTOBER 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 Buildings 471 and 472 at Naval Air Station Brunswick (NAS Brunswick).

2. PROPERTY DESCRIPTION

Buildings 471 and 472 are located in the northeastern portion of NAS Brunswick (Figure 1). The general location and physical description of the two buildings are summarized below. Photographs of the buildings are provided as an attachment to this report.

The investigation conducted under this report applies only to the building footprints of Buildings 471 and 472 (as shown on Figure 2). The Housing and Front Gate Parcel RCRA Partial Closure Report addresses the land surrounding and the groundwater underlying Buildings 471 and 472.

Building 471 – Main Gate Administrative Vehicle Inspection (AVI) Tent

Building 471 is located along the west side of Fitch Avenue on a asphalt-paved driveway south of the (Pass & ID Office (Building 38), north of the Main Gate Support Building (Building 472), and east of Perimeter Road. Building 471, constructed in 2002, consists of a 1,750 square-foot, single-story, steel-framed canvas-covered structure on a concrete slab foundation. The building interior consists of a single open space with a small, wooden guard structure and overhead lighting system. Building 471 contains an electrical heating system.

Building 472 – Main Gate Support Building

Building 472 is located to the southwest of Building 471 west of the paved driveway, north and east of Perimeter Road, and west of Fitch Avenue. Building 472 was constructed in 1990 and consists of a 240 square-foot, single story wood-framed structure on a concrete slab foundation. The building interior consists of two rooms with vinyl floor tiles, electric lights and telephone service. The building contains an electrical heating system.

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 Buildings 471 and 472, including past use and operations at that location.

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 (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.

The Buildings 471 and 472 area is originally identified in the 1943 historical map as a skeet range with Building 76 (Skeet Range Storehouse) visible until the 1952 historical map. Beginning with the 1952 historical map, no buildings are shown at the current location of Buildings 471 and 472. The area is cleared land with a railroad track running on the west side of Fitch Avenue. Beginning with the 1978 aerial photograph, the area is now wooded with no structures present. Building 472 is first present in the 1993 aerial photographs. No further changes are noted until the 2006 base map which shows Buildings 471 and 472 in their current locations.

According to MEDEP and NAS Brunswick spill records, no spills were reported in the vicinity of Buildings 471 or 472.

Building 471

According to NAS Brunswick Environmental Department personnel, since its construction, Building 471 has been used exclusively for conducting vehicle inspection at the main gate. Paperwork for vehicles requesting entry to the base was inspected and verified at the AVI tent. There is no record of hazardous waste generation at Building 471.

The NAS Brunswick Transformer Database lists no transformers associated with Building 471.

The NAS Brunswick Aboveground Storage Tank (AST) and Underground Storage Tank (UST) inventory records for Building 471 indicate no tanks have been associated with the building (Environmental Department, 2009).

Building 472

According to NAS Brunswick Environmental Department personnel, since its construction, Building 472 has been used exclusively as a main gate security administrative support building; there is no record of hazardous waste generation at Building 472.

The NAS Brunswick Transformer Database lists no transformers associated with Building 472.

The NAS Brunswick AST and UST inventory records for Building 472 indicate no tanks have been associated with the building (Environmental Department, 2009).

4. SITE VISIT AND INVESTIGATION

A site visit was conducted for Buildings 471 and 472 on September 23, 2010 by Mr. James Forrelli, P.E., and Mr. Mark Spear, 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 buildings were visually inspected for signs of hazardous waste generation or storage. Site visit observations, recorded on the attached Building Inspection Form⁽¹⁾, are summarized below:

Building 471

- At the time of inspection, Building 471 was vacant and in good condition. Equipment used to inspect vehicles had been removed.
- 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.

Building 472

- At the time of inspection, Building 472 was vacant and in poor 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.

Based on the records research findings and site visit observations, it was determined that neither further inspection nor sampling of Buildings 471 or 472 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 occurred at Buildings 471 or 472.

6. OTHER ENVIRONMENTAL CONSIDERATIONS

As discussed in Section 3, no transformers, USTs, or ASTs are known to be associated with Buildings 471 or 472. No other tanks were observed in the immediate vicinity of these two buildings.

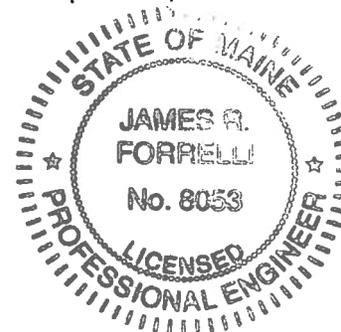
7. LIMITATIONS

This investigation of the hazardous waste closure requirement applies to the footprints of Buildings 471 and 472 (as shown on Figure 2), only. It does not apply to the land surrounding or the groundwater underlying Buildings 471 or 472.

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 Buildings 471 and 472, NAS Brunswick, Maine. Therefore, the hazardous waste closure of Buildings 471 and 472 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 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.

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

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

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

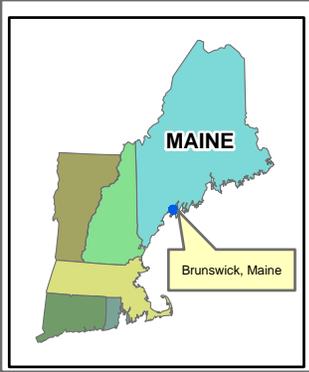
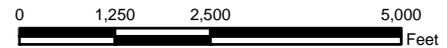
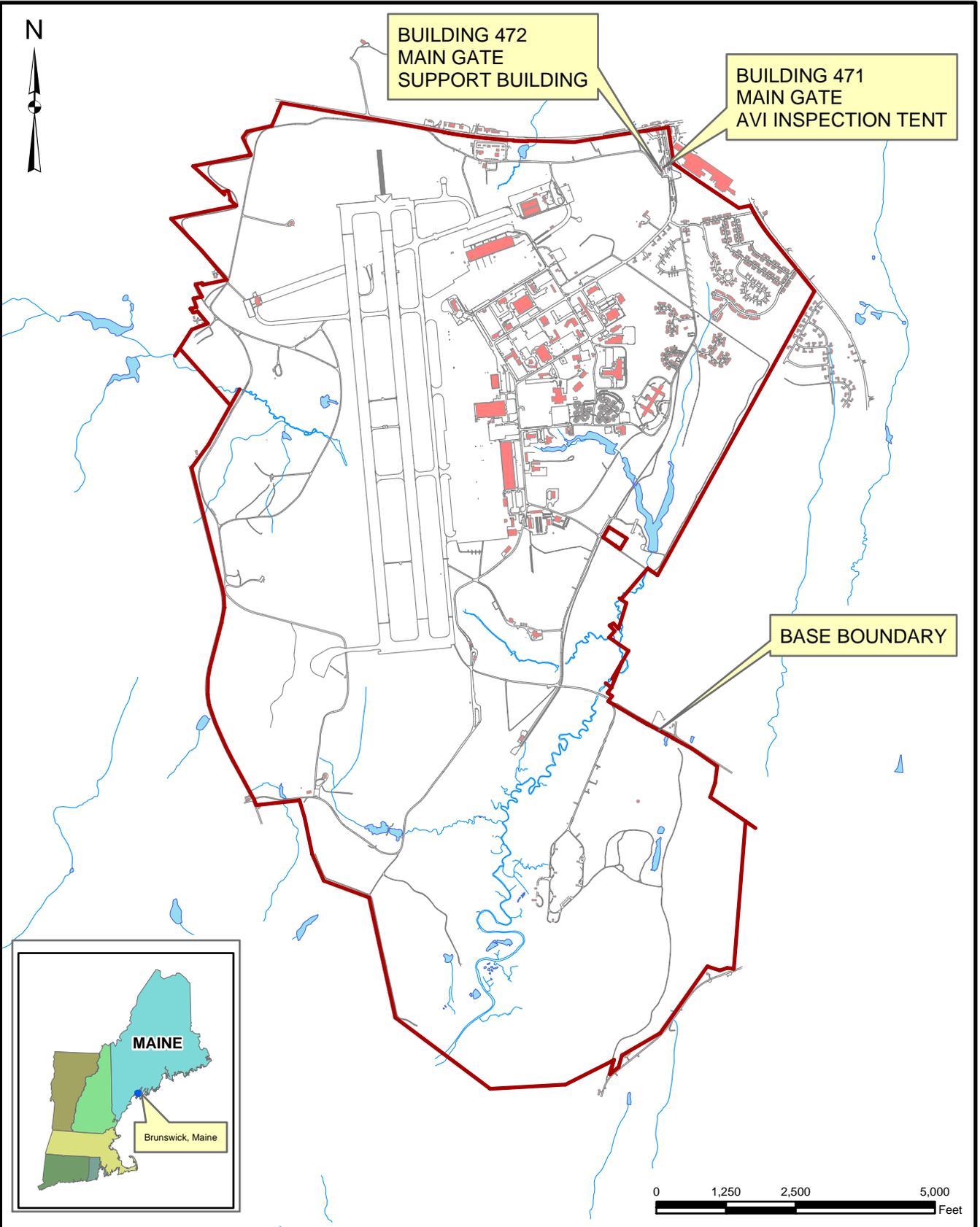
Sewall, 1978. NAS Brunswick Aerial Photographs. James W. Sewall Company, Old Town, ME. November 22.

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

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

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

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



Tetra Tech NUS, Inc.

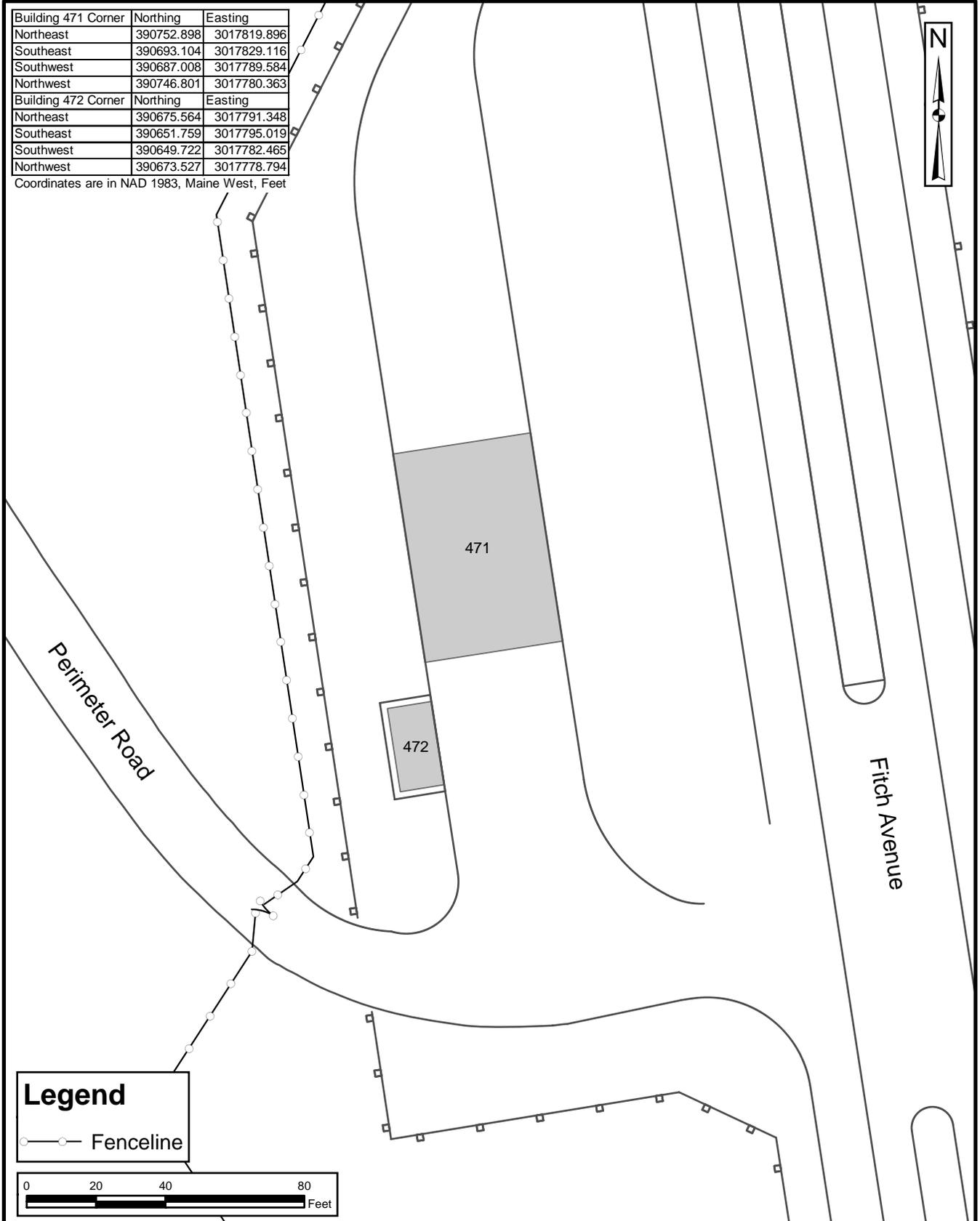
SITE LOCATION MAP
BUILDINGS 471 AND 472 - MAIN GATE SECURITY BUILDINGS
RCRA PARTIAL CLOSURE REPORT
NAVAL AIR STATION BRUNSWICK, MAINE

SCALE AS NOTED	
FILE I:\NASB_BLDG_471&472_LOCUS.MXD	
REV 0	DATE 10/15/10
FIGURE NUMBER 1	

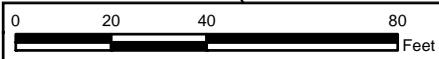
I:\02258\CP\DRNASB_BLDG_471&472_SITE_MAP.MXD DWM 10/15/10

Building 471 Corner		
	Northing	Easting
Northeast	390752.898	3017819.896
Southeast	390693.104	3017829.116
Southwest	390687.008	3017789.584
Northwest	390746.801	3017780.363
Building 472 Corner		
	Northing	Easting
Northeast	390675.564	3017791.348
Southeast	390651.759	3017795.019
Southwest	390649.722	3017782.465
Northwest	390673.527	3017778.794

Coordinates are in NAD 1983, Maine West, Feet



Legend	
	Fenceline



Tetra Tech NUS, Inc.

SITE PLAN
BUILDINGS 471 AND 472 - MAIN GATE SECURITY BUILDINGS
RCRA PARTIAL CLOSURE REPORT
NAVAL AIR STATION BRUNSWICK, MAINE

SCALE AS NOTED	
FILE L:\NASB_BLDG_471&472_SITE_MAP.MXD	
REV 0	DATE 10/15/10
FIGURE NUMBER 2	

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

Inspection Date: 9/23/2010
Personnel: James Forrelli, P.E. / Mark Spear, P.E.
Weather: Clear, 60s

GENERAL BUILDING INFORMATION / USES	
Building Name:	Main Gate AVI Inspection Tent
Function:	Vehicle inspection tent
Size:	1,750 SF
Year of Construction:	2002
<p>Building 471 is located in the northern portion of NAS Brunswick, south of Building 38 (Pass & ID), north of Building 472, east of Perimeter Road and west of Fitch Avenue. It was constructed in 2002 and served as the main gate vehicle inspection tent for its entire history. Building 471 consists of a 1,750 square-foot, single story steel-framed structure covered with canvas on a concrete slab foundation.</p> <p>Building 471 was used to as a vehicle inspection tent for NASB. The building interior consists of a single open room with a small wooden guard structure and lighting system.</p> <p>No hazardous waste was generated during the operations in Building 471, according to NASB personnel.</p> <p>Building 471 was heated via electric heat.</p>	
BUILDING INSPECTION / CONDITION	
<p>No record of hazardous waste stored at Building 471 found.</p> <p>The building was not occupied at the time of the site visit and appeared in excellent 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. No transformers that could be a potential source of polychlorinated biphenyl (PCB) contamination in the event of a leak were observed.</p>	
HAZARDOUS WASTE STORED / GENERATED	
<p>No hazardous waste was stored or generated at Building 471, according to NASB personnel.</p>	
POTENTIAL PCB-CONTAINING TRANSFORMERS	
<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 - Building 76 (Skeet Range Storehouse) and Skeet Range present.
1946 plan - Same as 1943 plan
1952 plan - Building 76 now listed as Quarters.
1956 plan - Building 76 and Skeet Range not shown.
1957 plan - Perimeter Road now shown west of Fitch Ave. No buildings at 471.
1958 aerial - No buildings present. Cleared land and railroad tracks running parallel to Fitch Avenue.
1975 plan - Same as 1957 plan.
1978 plan - Same as 1975 plan.
1978 aerial - Area is now wooded. No buildings present.
1981 aerial - Same as 1978 aerial.
1983 plan - Same as 1978 plan.
1984 aerial - Same as 1981 aerial.
1989 plan - Same as 1983 plan.
1989 aerial - same as 1984 aerial
1993 aerial - Building 472 present.
1997 aerial - Same as 1993 aerial.
2006 plan - Building 471 shown in its current location in the Weapons area

No OWS were present at Building 471 according to NASB records.
No USTs or ASTs were present at Building 471 according to NASB records.

HAZARDOUS WASTE STORAGE RECORDS

No hazardous waste was historically stored at Building 471, 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.

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

Inspection Date: 9/23/2010
Personnel: James Forreli, P.E. / Mark Spear, P.E.
Weather: Clear, 60s

GENERAL BUILDING INFORMATION / USES	
Building Name:	Main Gate Support Building
Function:	Security support
Size:	240 SF
Year of Construction:	1990
<p>Building 472 is located in the northern portion of NAS Brunswick, south of Building 471, north and east of Perimeter Road and west of Fitch Avenue. It was constructed in 1990 and served as the main gate security support building for its entire history. Building 472 consists of a 240 square-foot, single story wood-framed structure on a concrete slab foundation.</p> <p>Building 472 was used to as a security support building for NASB. The building interior consists of two rooms with peeling vinyl floor tiles, electric lights and telephone service.</p> <p>No hazardous waste was generated during the operations in Building 472, according to NASB personnel.</p> <p>Building 472 was heated via electric heat.</p>	
BUILDING INSPECTION / CONDITION	
<p>No record of hazardous waste stored at Building 472.</p> <p>The building was not occupied at the time of the site visit and appeared in poor 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. No transformers that could be a potential source of polychlorinated biphenyl (PCB) contamination in the event of a leak were observed.</p>	
HAZARDOUS WASTE STORED / GENERATED	
<p>No hazardous waste was stored or generated at Building 472, according to NASB personnel.</p>	
POTENTIAL PCB-CONTAINING TRANSFORMERS	
<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 - Building 76 (Skeet Range Storehouse) and Skeet Range present.

1946 plan - Same as 1943 plan

1952 plan - Building 76 now listed as Quarters.

1956 plan - Building 76 and Skeet Range not shown.

1957 plan - Perimeter Road now shown west of Fitch Ave. No buildings at 472.

1958 aerial - No buildings present. Cleared land and railroad tracks running parallel to Fitch Avenue.

1975 plan - Same as 1957 plan.

1978 plan - Same as 1975 plan.

1978 aerial - Area is now wooded. No buildings present.

1981 aerial - Same as 1978 aerial.

1983 plan - Same as 1978 plan.

1984 aerial - Same as 1981 aerial.

1989 plan - Same as 1983 plan.

1989 aerial - same as 1984 aerial

1993 aerial - Building 472 present.

1997 aerial - Same as 1993 aerial.

2006 plan - Building 472 shown in it's current location in the Weapons area

No OWS were present at Building 472 according to NASB records.

No USTs or ASTs were present at Building 472 according to NASB records.

HAZARDOUS WASTE STORAGE RECORDS

No hazardous waste was historically stored at Building 472, 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.



No. 3 Buildings 471 and 472 – NAS Brunswick September 23, 2010
Building 471 - AVI Tent Interior from southeast corner



No. 4 Buildings 471 and 472 – NAS Brunswick September 23, 2010
Building 471 - AVI Tent Interior from northeast corner;



No. 1 Buildings 471 and 472 – NAS Brunswick September 23, 2010
Building 472 - Main Gate Support (on left) and Building 471 - AVI Tent (on right) south elevation



No. 1 Buildings 471 and 472 – NAS Brunswick September 23, 2010
Building 472 - Main Gate Support interior from north