

N60087.AR.002258
NAS BRUNSWICK
5090.3a

FINAL RESOURCE CONSERVATION AND RECOVERY ACT PARTIAL CLOSURE REPORT
FOR BUILDING 475 WITH TRANSMITTAL LETTER NAS BRUNSWICK ME
10/20/2010
NAS BRUNSWICK

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

October 20, 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 475

Dear Mr. Vigneault:

A copy of the Final RCRA Partial Closure Report for Building 475 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,



Fot LISA M. JOY
Environmental Director

Enclosure: (1) Final RCRA Partial Closure Report for Building 475

Copy to:
NAVFAC Mid-Atlantic (B. Abraham)
NAS Brunswick (M. Fagan/D. Smith)
EPA Region I (M. Daly)
MRRR (V. Boundy)
Curtis Memorial Library (L. Oliver)
Lepage Environmental (C. Lepage)
BRAC PMO NE (P. Burgio)

RCRA PARTIAL CLOSURE REPORT
for
BUILDING 475 – DYERS GATE INSPECTION TENT
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 Building 475 at Naval Air Station Brunswick (NAS Brunswick).

2. PROPERTY DESCRIPTION

Building 475 is located in the southern portion of NAS Brunswick at the Dyers Gate security area (Figure 1), south of Building 36 (Dyers Gate Sentry House), north of New Gurnet Road, east of Building 46 (Dyers Gate Security Inspection Office) and Orion Street, and west of a wooded area. Building 475, known as the Dyers Gate Inspection Tent, was constructed in 2004 and 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 an overhead sodium lighting system. Building 475 features a radiant gas heating system.

Photographs of the building are provided as an attachment to this report. The investigation conducted under this report applies only to the building footprint of Building 475 (as shown on Figure 2). The Dyers Gate Area RCRA Partial Closure Report addresses the land surrounding and the groundwater underlying Building 475.

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 Building 475, 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 Building 475 area first appears on the 1956 historical plan. The area was shown as wooded with no buildings. No changes are noted until the 2006 base map which shows Building 475 in its current location.

According to MEDEP and NAS Brunswick spill records, no spills have been reported in the vicinity of Buildings 475.

According to NAS Brunswick Environmental Department personnel, since its construction, Building 475 has been used exclusively as the Dyers gate vehicle inspection tent. Vehicles entering the base were inspected here using a portable x-ray scanner system. There is no record of hazardous waste generation at Building 475.

The NAS Brunswick Transformer Database lists no transformers associated with Building 475; however, a pad-mounted transformer is located immediately west of Building 475. No information was found regarding the manufacturer or installation date of this transformer. As of July 1, 1979, the United States Environmental Protection Agency (EPA) prohibited all manufacturing of new PCB-containing electrical equipment (transformers and capacitors). Because the buildings or structures present at the Dyers gate security area were built in 2004 it is unlikely that the transformer is PCB-containing.

The NAS Brunswick Aboveground Storage Tank (AST) and Underground Storage Tank (UST) inventory records for Building 475 indicate no tanks have been associated with the building (Environmental Department, 2009). A pad-mounted generator is located west of Building 475. The generator is associated with Building 36 and contains a 100 gallon double-walled steel AST (A36.0) containing diesel fuel for the generator and was installed in 2004.

4. SITE VISIT AND INVESTIGATION

A site visit was conducted for Building 475 on September 23, 2010 by Mr. James Forrelli, P.E., and Mr. Brian Geringer 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 building 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 inspection, Building 475 was vacant and in good condition. Vehicle inspection X-ray equipment had been removed. Jersey barriers and fans were still present.
- 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 Building 475 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 475.

6. OTHER ENVIRONMENTAL CONSIDERATIONS

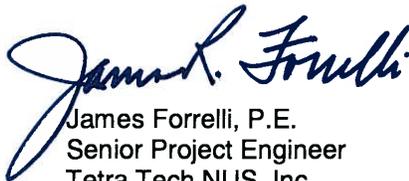
As discussed in Section 3, no transformers, USTs, or ASTs are known to be associated with Buildings 475. No additional tanks or transformers, other than those discussed in Section 3, were observed in the immediate vicinity of Building 475.

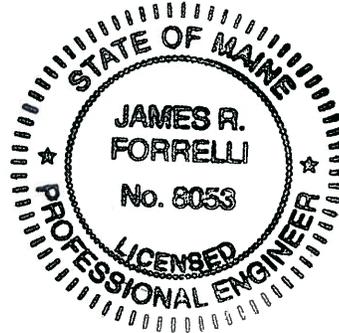
7. LIMITATIONS

This investigation of the hazardous waste closure requirement applies to the footprint of Building 475 (as shown on Figure 2), only. It does not apply to the land surrounding or the groundwater underlying Building 475.

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 475, NAS Brunswick, Maine. Therefore, the hazardous waste closure of Building 475 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

Environmental Department, 2009. Master/Historical Aboveground and Underground Storage Tank Inventory. NAS Brunswick, Maine. February.

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.

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, Maine. October 9.

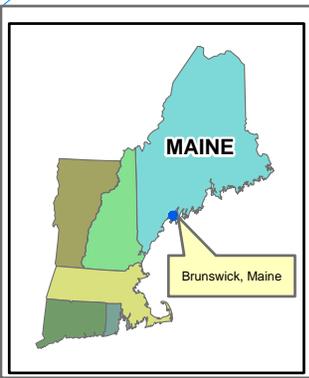
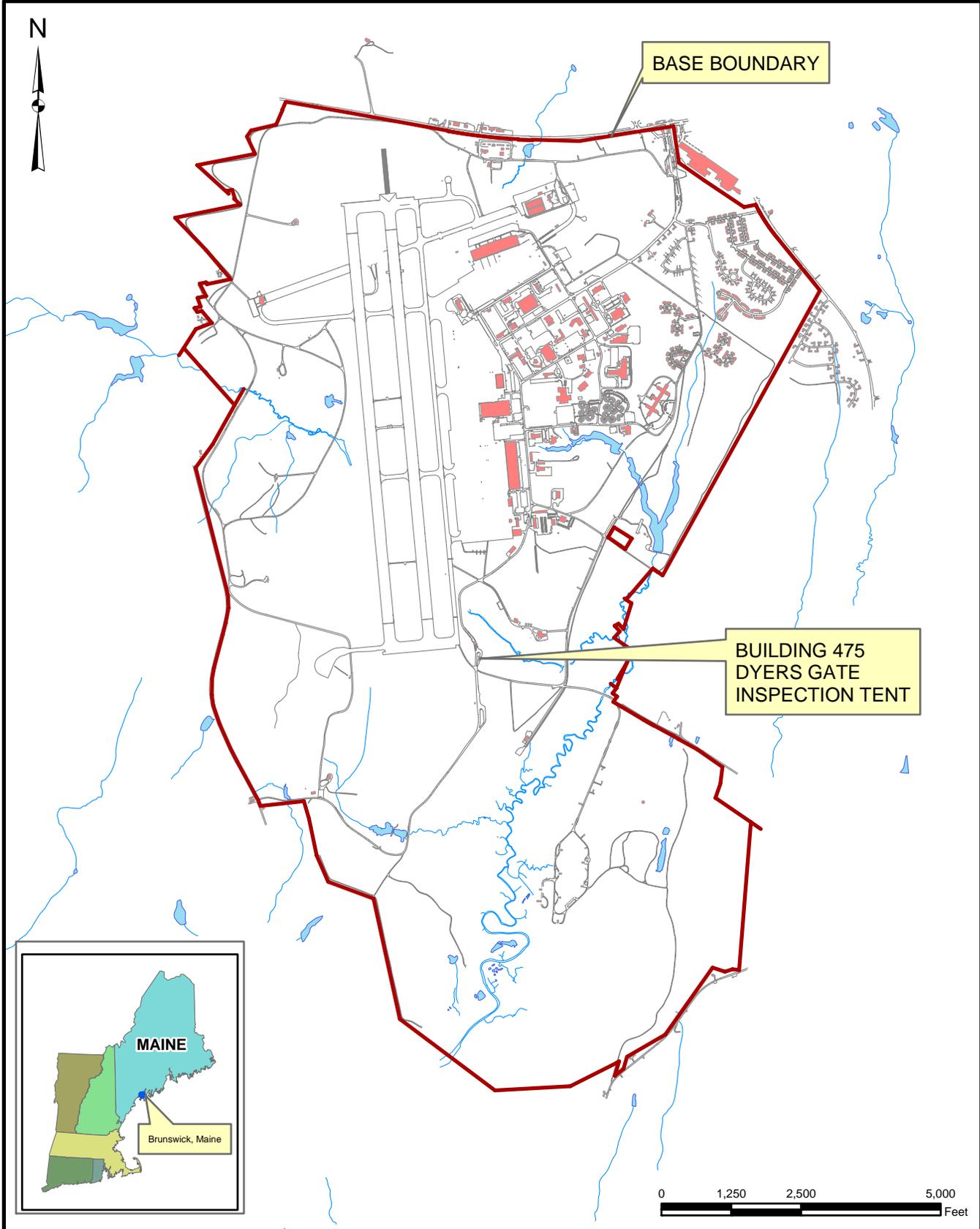
Sewall, 1978. NAS Brunswick Aerial Photographs. James W. Sewall Company, Old Town, Maine. November 22.

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

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

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

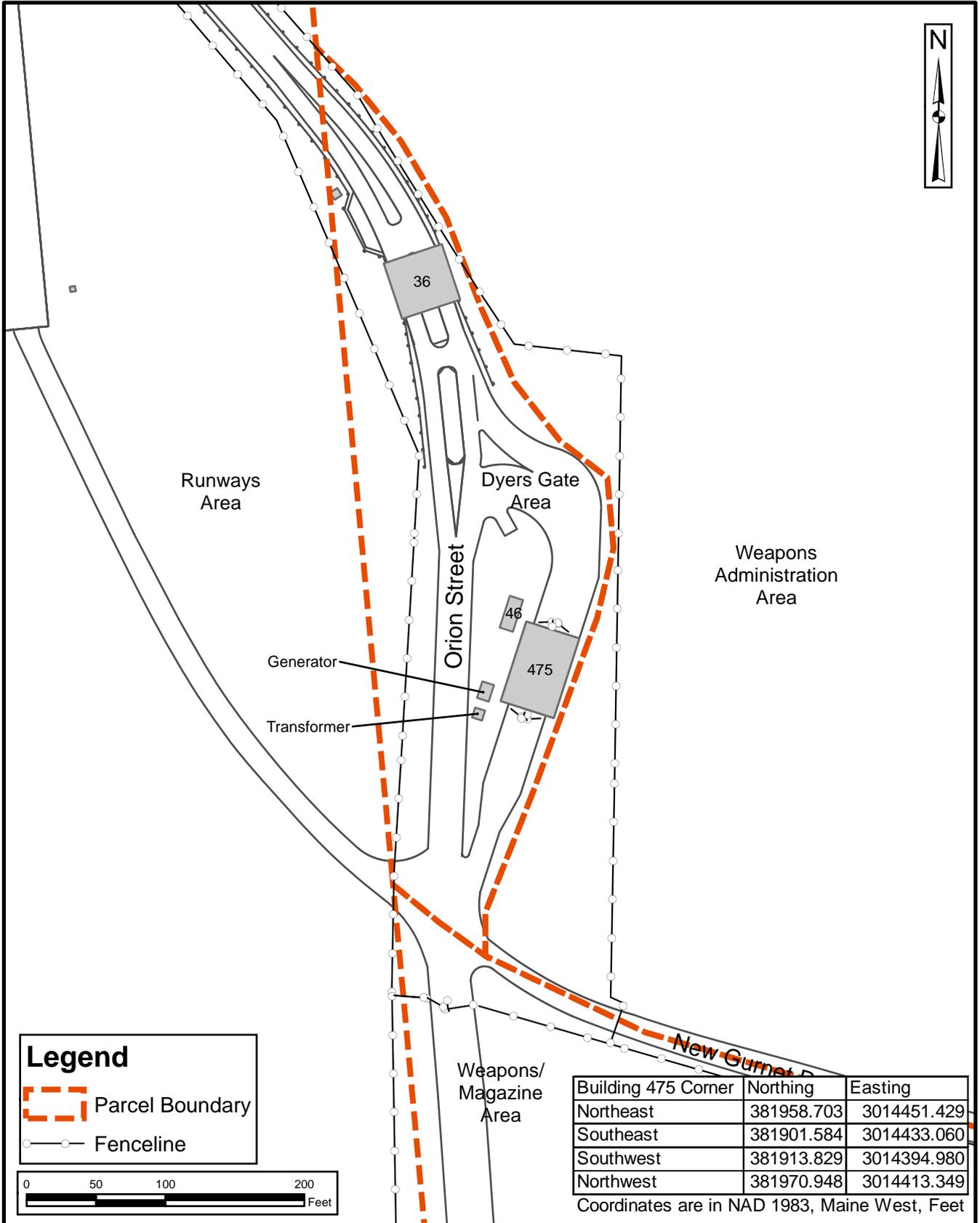
Sewall, 1997. NAS Brunswick Aerial Photographs. James W. Sewall Company, Old Town, Maine.



Tetra Tech NUS, Inc.

SITE LOCATION MAP
BUILDINGS 475 - DYERS GATE INSPECTION TENT
RCRA PARTIAL CLOSURE REPORT
NAVAL AIR STATION BRUNSWICK, MAINE

SCALE AS NOTED	
FILE I:\WASB_BLDG_475_LOCUS.MXD	
REV 0	DATE 10/19/10
FIGURE NUMBER 1	



Legend

- Parcel Boundary
- Fenceline



Tetra Tech NUS, Inc.

SITE LOCATION MAP
BUILDING 475 - DYERS GATE INSPECTION TENT
RCRA PARTIAL CLOSURE REPORT
NAVAL AIR STATION BRUNSWICK, MAINE

SCALE AS NOTED	
FILE L:\NASB_BLDG_475_SITE_MAP.MXD	
REV 0	DATE 10/15/10
FIGURE NUMBER FIGURE NO. 2	

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

Inspection Date: 9/23/2010

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

Weather: Clear, 60s

GENERAL BUILDING INFORMATION / USES

Building Name: Dyers Gate AVI Inspection Tent
 Function: Vehicle inspection tent
 Size: 1,750 SF
 Year of Construction: 2004

Building 475 is located in the southern portion of NAS Brunswick at the Dyers Gate security area, south of Building 36 (Dyers Gate Sentry House), north of New Gurnet Road, east of Building 46 (Dyers Gate Security Inspection office) and Orion Street and west of a wooded area. It was constructed in 2004 and served as the Dyers gate vehicle inspection tent for it's entire history. Building 475 consists of a 1,750 square-foot, single story, steel-framed structure covered with canvas on a concrete slab foundation.

Building 475 was used to as a vehicle inspection tent for NASB. The building interior consists of a single open room with a small (12' X 6') wooden guard structure and a sodium lighting system. A portable vehicle x-ray scanner was previously located in Building 475.

A pad-mounted emergency generator is located west of Building 475.

No hazardous waste was generated during the operations in Building 475, according to NASB personnel.

Building 475 is heated via radiant gas heat.

BUILDING INSPECTION / CONDITION

No record of hazardous waste stored at Building 475.

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.

HAZARDOUS WASTE STORED / GENERATED

No hazardous waste was stored or generated at Building 475, according to NASB personnel.

POTENTIAL PCB-CONTAINING TRANSFORMERS

No transformers are listed in the NASB transformer database for the Dyers Gate area. One pad-mounted transformer is located to the west of Building 475. No additional information was available on the transformer, however, no buildings or transformers were present prior to 1979.

APPLICABLE REPORTS / DOCUMENTS

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

1943 plan - Area not shown.

1946 plan - Area not shown.

1952 plan - Area not shown.

1956 plan - No buildings shown in Building 475 area.

1957 plan - same as 1956 plan.

1958 aerial - No buildings present. Cleared land with New Gurnet Road and Orion Street present.

1975 plan - Area not shown.

1978 plan - No buildings shown in Building 475 area.

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

1981 aerial - Same as 1978 aerial.

1983 plan - Area not shown.

1984 aerial - Same as 1981 aerial.

1989 plan - No buildings shown in Building 475 area.

1989 aerial - same as 1984 aerial

1993 aerial - Same as 1989 aerial

1997 aerial - Same as 1993 aerial.

2006 plan - Building 475 shown in its current location

No OWS were present at Building 475 according to NASB records.

No USTs or ASTs were present at Building 475 according to NASB records.

The generator west of building 475 is associated with Building 36 and contains a 100 gallon DWS AST (A36.0) containing diesel for the generator (installed in 2004, inactive)

HAZARDOUS WASTE STORAGE RECORDS

No hazardous waste was historically stored at Building 475, 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 Buildings 475 – NAS Brunswick September 23, 2010
Dyers Gate Inspection Tent south elevation; pad-mounted transformer, generator and Building 46 at left and Building 36 in left background



No. 2 Building 475 – NAS Brunswick September 23, 2010
Dyers Gate Inspection Tent northeast elevation



No. 3 Buildings 475 – NAS Brunswick
Dyers Gate Inspection Tent interior from northwest corner

September 23, 2010



No. 4 Buildings 475 – NAS Brunswick
Dyers Gate Inspection Tent interior from southeast corner

September 23, 2010