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NAS BRUNSWICK
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FINAL RESOURCE CONSERVATION AND RECOVERY ACT PARTIAL CLOSURE REPORT
FOR BUILDINGS 285, 286, 287 AND 290 WITH TRANSMITTAL LETTER NAS BRUNSWICK
ME
9/27/2010
NAS BRUNSWICK

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

September 27, 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

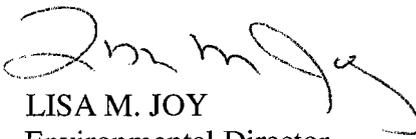
Subj: Final RCRA Partial Closure Report for Buildings 285, 286, 287, and 290

Dear Mr. Vigneault:

A copy of the Final RCRA Partial Closure Report for Buildings 285, 286, 287, and 290 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 Buildings 285, 286, 287, and 290

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 285 – AMMO STORAGE FACILITY
BUILDING 286 – AMMO STORAGE FACILITY
BUILDING 287 – AMMO STORAGE FACILITY
BUILDING 290 – AMMO STORAGE FACILITY
NAVAL AIR STATION BRUNSWICK, MAINE
USEPA IDENTIFICATION NUMBER ME8170022018
SEPTEMBER 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 285, 286, 287, and 290 at Naval Air Station Brunswick (NAS Brunswick).

2. PROPERTY DESCRIPTION

Buildings 285, 286, 287, and 290 are located at the Weapons Area in the south-central portion of NAS Brunswick (Figure 1). The general location and physical description of the four buildings are summarized below. Photographs of the buildings are provided as an attachment to this report.

Building 285 – Ammo Storage Facility

Building 285 is located in the southern portion of the Weapons Area (Figure 2), on the southwestern interior of the Ordnance Road loop, north of Building 290 and south of Building 286.

Building 285 was constructed in 1956 and consists of a single room measuring 1,493 square feet in area. It is an earth-covered, reinforced-concrete, arch-roof magazine structure on a concrete slab foundation. The front of the structure is constructed of a reinforced-concrete retaining wall fitted with a security/blast door. A separate reinforced-concrete blast wall is located immediately west of the Building 285 door, on the opposite side of the paved access road. Building 285 features a ventilation stack through the roof. Two shallow concrete drains are located inside, on either side of the floor, and gravity-drain to the exterior of the structure via small-diameter pipes. The building is not heated.

Building 286 – Ammo Storage Facility

Building 286 is located in the central portion of the Weapons Area (Figure 2), on the western interior of the Ordnance Road loop, north of Building 285 and south of Building 287.

Building 286 was constructed in 1956 and consists of a single room measuring 1,493 square feet in area. It is an earth-covered, reinforced-concrete, arch-roof magazine structure on a concrete slab foundation. The front of the structure is constructed of a reinforced-concrete retaining wall fitted with a security/blast door. A separate reinforced-concrete blast wall is located immediately west of the Building 286 door, on the opposite side of the paved access road. Building 286 features a ventilation stack through the roof. Two shallow concrete drains are located inside, on either side of the floor, and gravity-drain to the exterior of the structure via small-diameter pipes. External telephone callbox and security systems are attached to the concrete retaining wall. The building is not heated.

Building 287 – Ammo Storage Facility

Building 287 is located in the northern portion of the Weapons Area (Figure 2), on the western interior of the Ordnance Road loop, north of Building 286 and south of Building 128.

Building 287 was constructed in 1956 and consists of a single room measuring 1,493 square feet in area. It is an earth-covered, reinforced-concrete, arch-roof magazine structure on a concrete slab foundation. The front of the structure is constructed of a reinforced-concrete retaining wall fitted with a security/blast door. The building features a ventilation stack through the roof. Two shallow concrete drains are located inside, on either side of the floor, and gravity-drain to the exterior of the structure via small-diameter pipes. The building is not heated.

Building 290 – Ammo Storage Facility

Building 290 is located in the southernmost portion of the Weapons Area (Figure 2), on the southern interior of the Ordnance Road loop, north of a wooded area and south of Buildings 126 and 285.

Building 290 was constructed in 1956 and consists of a single room measuring 1,493 square feet in area. It is an earth-covered, reinforced-concrete arch-roof magazine structure on a concrete slab foundation. The front of the structure is constructed of a reinforced-concrete retaining wall fitted with a security/blast door. A separate reinforced-concrete blast wall is located immediately south of the Building 290 door, on the opposite side of the paved access road. Building 290 features a ventilation stack through the roof. Two shallow concrete drains are located inside, on either side of the floor, and gravity-drain to the exterior of the structure via small-diameter pipes. A covered concrete cylinder containing a grounding rod was observed on the building's eastern exterior. Building 290 is not heated.

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 285, 286, 287, and 290, including past use and operations at these locations.

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 1946, 1952, 1956, 1957, 1975, 1987, and 2006 (PWD, 1946, 1952, 1956, 1957, 1975, 1989, and 2006) to provide historical information.

On historical site plans dated prior to 1956, the Weapons Area is not shown. Beginning with the map dated 1956, the Weapons Area is identified as the New Ordnance Area and shows Buildings 285 through 290 in their current locations, labeled as high explosive (HE) magazines. The 1957 site plan shows Buildings 543 and 544 constructed in the Weapons Area (Figure 2), and shows Building 290 labeled as Building 280; however, the 1978 site plan shows the correct identification for Building 290. After 1978, no further changes were noted to the locations or identification of Buildings 285, 286, 287, and 290.

According to MEDEP and NAS Brunswick spill records, no spills were reported in the vicinity of Buildings 285, 286, 287, and 290.

The use of Buildings 285, 286, 287, and 290 is listed as "magazine" in the 1983 Initial Assessment Survey (IAS). According to the IAS, the Department of Defense (DOD) Explosives Safety Board in Alexandria, Virginia conducted annual surveys at NAS Brunswick for the previous

five years. The purpose of the surveys was to inspect conditions with respect to maintenance, disposal, handling, transportation, and storage of ammunition and explosives. No contaminated areas or improper disposal practices were noted at the base during these surveys (Weston, 1983).

Building 285

According to NAS Brunswick Environmental Department personnel, since its construction, Building 285 has been used exclusively as an ammunition storage magazine; there is no record of hazardous waste generation at Building 285. As discussed above, Building 285 is visible in aerial photographs and historical maps beginning in 1956.

The NAS Brunswick Transformer Database lists no transformers associated with Building 285.

The NAS Brunswick Aboveground Storage Tank (AST) and Underground Storage Tank (UST) inventory records for Building 285 indicate no tanks have been associated with the building (Environmental Department, 2009).

According to Mr. Brion Hall, NAS Brunswick Explosive Safety Officer, Hazard Class 1.1 explosives were stored in Building 285. Hazard Class 1.1 explosives are those with a mass explosion hazard such as composition 4 (C4), a plastic explosive. Due to weapons security issues, no additional information is available on quantities and types of explosives stored.

Building 286

According to NAS Brunswick Environmental Department personnel, since its construction, Building 286 has been used exclusively as an ammunition storage magazine; there is no record of hazardous waste generation at Building 286. As discussed above, Building 286 is visible in aerial photographs and historical maps beginning in 1956.

The NAS Brunswick Transformer Database lists no transformers associated with Building 286.

The NAS Brunswick AST and UST inventory records for Building 286 indicate no tanks have been associated with the building (Environmental Department, 2009).

As noted above for Building 285, the NAS Brunswick Explosive Safety Officer stated that Hazard Class 1.1 explosives (described above) were also stored in Building 286. Again, for reasons noted above, no additional information is available on quantities and types of explosives stored.

Building 287

According to NAS Brunswick Environmental Department personnel, since its construction, Building 287 has been used exclusively as an ammunition storage magazine; there is no record of hazardous waste generation at Building 287. As discussed above, Building 287 is visible in aerial photographs and historical maps beginning in 1956.

The NAS Brunswick Transformer Database lists no transformers associated with Building 287.

The NAS Brunswick AST and UST inventory records for Building 287 indicate no tanks have been associated with the building (Environmental Department, 2009).

As noted above for Buildings 285 and 286, the NAS Brunswick Explosive Safety Officer stated that Hazard Class 1.1 explosives (described above) were also stored in Building 286. Again, due to weapons security issues, no additional information is available on quantities and types of explosives stored.

Building 290

According to NAS Brunswick Environmental Department personnel, since its construction, Building 290 has been used exclusively as an ammunition storage magazine; there is no record of hazardous waste generation at Building 290. As discussed above, Building 290 is visible in aerial photographs and historical maps beginning in 1956.

The NAS Brunswick Transformer Database lists no transformers associated with Building 290.

The NAS Brunswick AST and UST inventory records for Building 290 indicate no tanks have been associated with the building (Environmental Department, 2009).

As noted above for Buildings 285, 286, and 287, the NAS Brunswick Explosive Safety Officer, Mr. Brion Hall, stated that Hazard Class 1.1 explosives were also stored in Building 290. As described above, Hazard Class 1.1 explosives are explosives with a mass explosion hazard such as composition 4 (C4), a plastic explosive. Due to weapons security issues, no additional information is available on quantities and types of explosives stored.

4. SITE VISIT AND INVESTIGATION

A site visit was conducted for Building 286 on August 31, 2010 by Mr. James Forrelli, P.E., and Mr. Brandon Smith, P.E. of Tetra Tech. A site visit was conducted for Buildings 285, 287, and 290 on September 16, 2010 by Mr. Mark Spear, P.E. and Mr. Brandon Smith, P.E. of Tetra Tech. The purpose of the visits was to verify information gathered during the records search and to collect additional information as necessary to prepare this closure report. During the August 31, 2010 site visit, Tetra Tech personnel were accompanied by Mr. Mike Fagan of the NAS Brunswick Environmental Department, and by Mr. Ed Vigneault and Ms. Claudia Sait of MEDEP. On September 16, 2010, Mr. D. Bruce Smith, the NAS Brunswick Hazardous Waste Manager accompanied Tetra Tech personnel. 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 285

- At the time of inspection, Building 285 was vacant and in fair condition.
- No evidence of current or past hazardous waste generation activities was observed.
- Minor staining that appeared to be residue from tire rubber from equipment traffic was observed on the floor of Building 285. Joint-sealer compound was also observed over the interior of the blast door.
- 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 steel door of the building.

Building 286

- At the time of inspection, Building 286 was vacant and in fair 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. Joint-sealer compound was also observed in cracks on the interior floor.
- 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 steel door of the building.

Building 287

- At the time of inspection, Building 287 was vacant and in fair condition.
- No evidence of current or past hazardous waste generation activities was observed.
- Minor staining that appeared to be residue from tire rubber from equipment traffic was observed on the floor of Building 287. Joint-sealer compound was also observed in cracks on the interior floor. Water damage was observed in the southwest interior corner, and concrete patch had been applied to the wall in this location.
- 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 the interior steel door of the building.

Building 290

- At the time of inspection, Building 290 was vacant and in fair condition.
- No evidence of current or past hazardous waste generation activities was observed.
- Minor staining that appeared to be residue from tire rubber from equipment traffic was observed on the floor of Building 290. Joint-sealer compound was also observed in cracks on the interior floor. A concrete patch measuring approximately 3 feet by 25 feet was observed on the interior floor, adjacent to the blast door. A date of 2002 was visible in the concrete patch.
- 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 steel door of the building.

Based on the records research findings and site visit observations, it was determined that neither further inspection nor sampling of Buildings 285, 286, 287, or 290 are 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 Buildings 285, 286, 287 or 290.

6. OTHER ENVIRONMENTAL CONSIDERATIONS

As discussed in Section 3, no transformers, USTs, or ASTs are known to be associated with Buildings 285, 286, 287 or 290. No tanks were observed in the immediate vicinity of Buildings 285, 286, 287 or 290.

7. LIMITATIONS

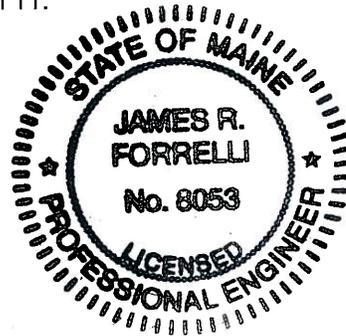
This investigation of the hazardous waste closure requirement applies to the footprints of Buildings 285, 286, 287 and 290 (as shown on Figure 2), only. It does not apply to the land surrounding or the groundwater underlying Buildings 285, 286, 287 or 290.

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 285, 286, 287 and 290,

NAS Brunswick, Maine. Therefore, the hazardous waste closure of Buildings 285, 286, 287 and 290 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.

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. 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, 1981. NAS Brunswick Aerial Photographs. James W. Sewall Company, Old Town, Maine. October 17.

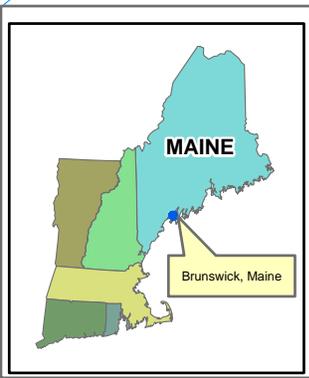
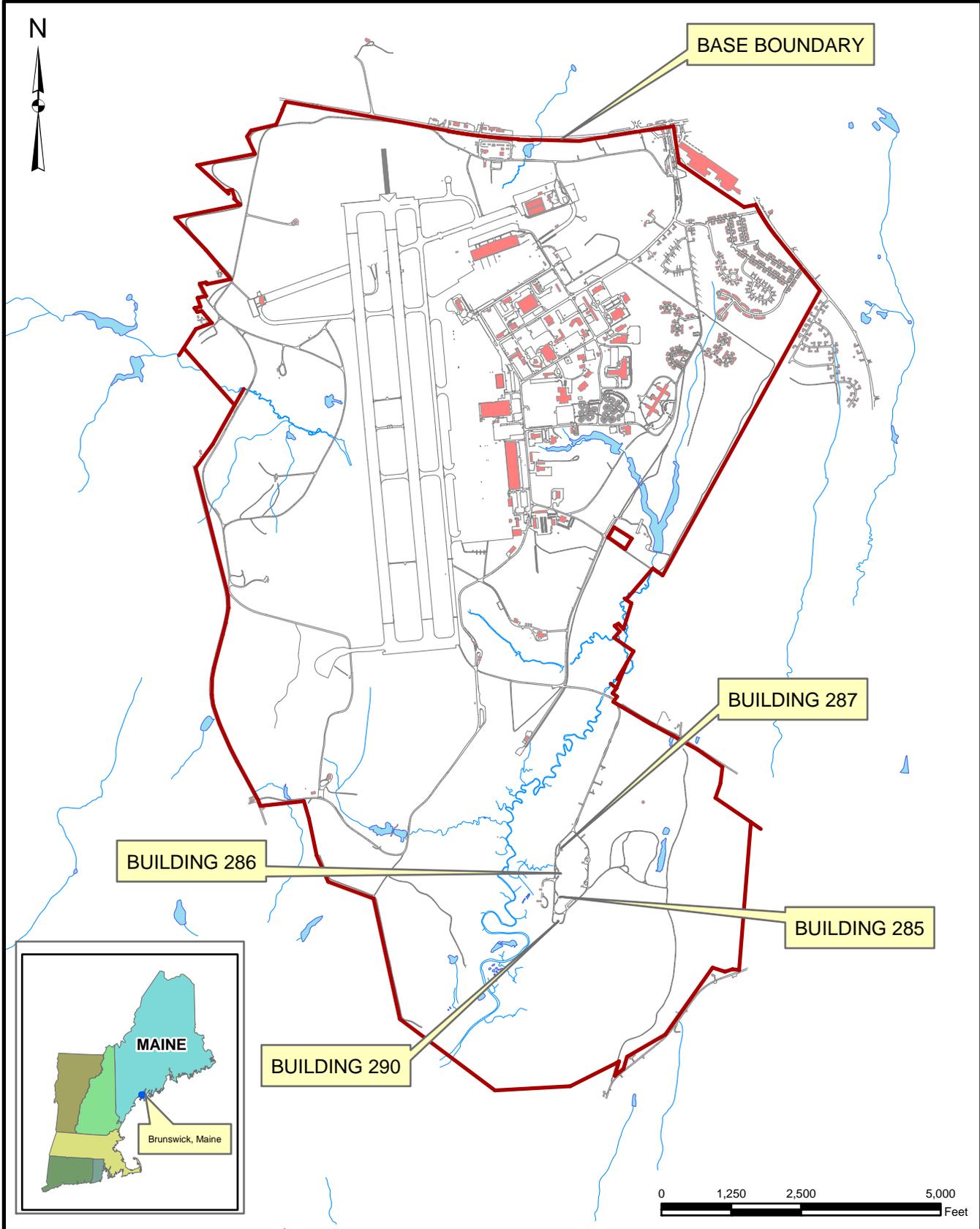
Sewall, 1984. NAS Brunswick Aerial Photographs. James W. Sewall Company, Old Town, Maine. April 23.

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.

Weston (Roy F. Weston, Inc.), 1983. Initial Assessment Survey. Naval Air Station, Brunswick, Maine. June.



Tetra Tech NUS, Inc.

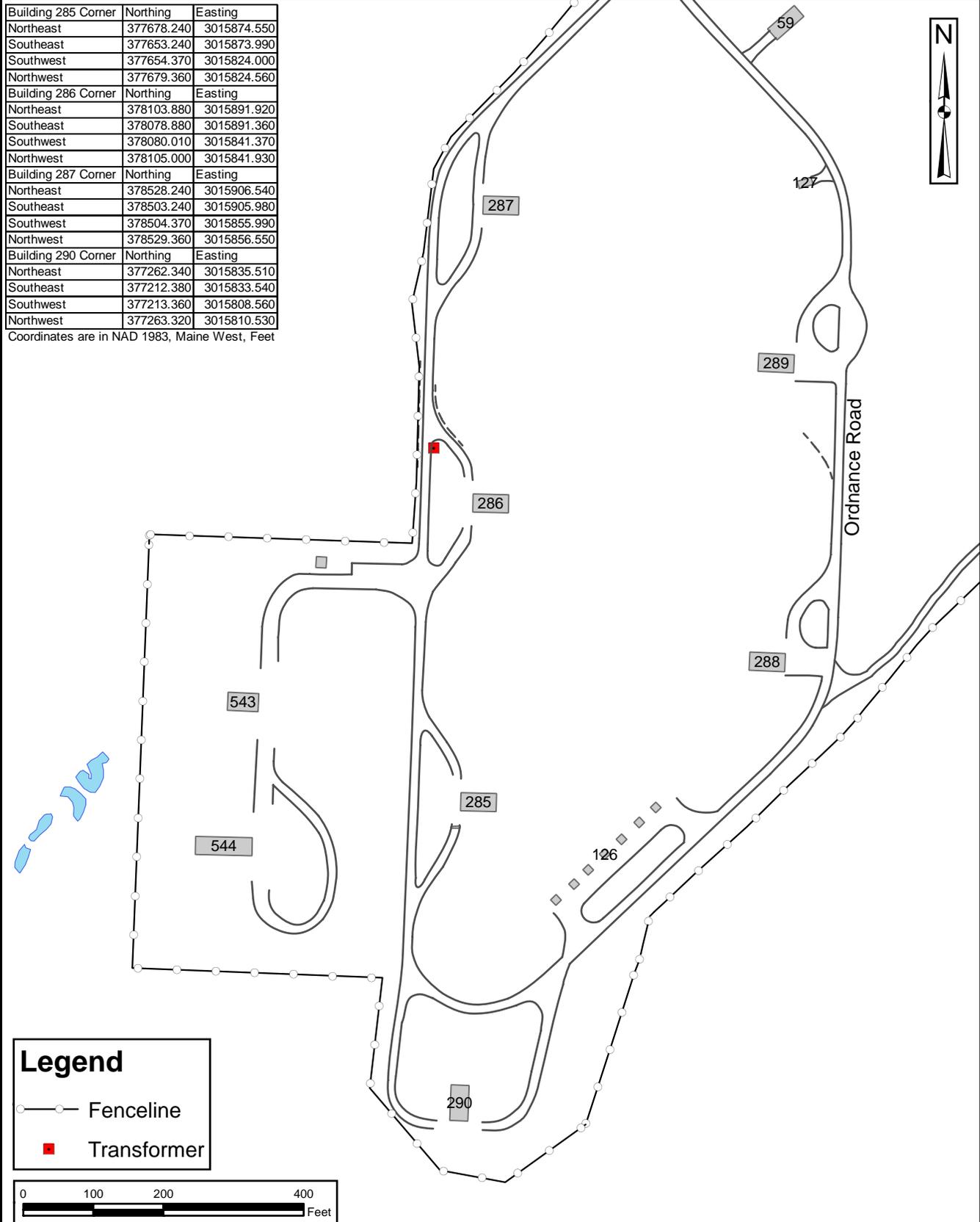
SITE LOCATION MAP
BUILDING 285, 286, 287, AND 290 - WEAPONS BUILDINGS
RCRA PARTIAL CLOSURE REPORT
NAVAL AIR STATION BRUNSWICK, MAINE

SCALE AS NOTED	
FILE	
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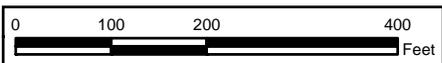
I:\02258\CP.DRW\ASB_BLDG_285_286_287_&290_SITE_MAP.MXD DWM 09/23/10

Building 285 Corner	Northing	Easting
Northeast	377678.240	3015874.550
Southeast	377653.240	3015873.990
Southwest	377654.370	3015824.000
Northwest	377679.360	3015824.560
Building 286 Corner	Northing	Easting
Northeast	378103.880	3015891.920
Southeast	378078.880	3015891.360
Southwest	378080.010	3015841.370
Northwest	378105.000	3015841.930
Building 287 Corner	Northing	Easting
Northeast	378528.240	3015906.540
Southeast	378503.240	3015905.980
Southwest	378504.370	3015855.990
Northwest	378529.360	3015856.550
Building 290 Corner	Northing	Easting
Northeast	377262.340	3015835.510
Southeast	377212.380	3015833.540
Southwest	377213.360	3015808.560
Northwest	377263.320	3015810.530

Coordinates are in NAD 1983, Maine West, Feet



Legend	
	Fenceline
	Transformer



Tetra Tech NUS, Inc.

SITE PLAN
BUILDING 285, 286, 287, AND 290 - WEAPONS BUILDINGS
RCRA PARTIAL CLOSURE REPORT
NAVAL AIR STATION BRUNSWICK, MAINE

SCALE AS NOTED	
FILE	
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REV	DATE
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FIGURE NUMBER	
2	

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

Inspection Date: 9/16/2010

Personnel: Brandon Smith, P.E. / Mark Spear, P.E.

Weather: Clear, 60s

GENERAL BUILDING INFORMATION / USES

Building Name: Ammo Storage Building
 Function: Ammunition storage magazine
 Size: 1,493 SF
 Year of Construction: 1956

Building 285 is located in the southern portion of NASB in the weapons area; on the western interior of the Ordnance Road loop, north of Building 290 and south of Building 286. It was constructed in 1956 and served as a weapons magazine for its entire history. Building 285 consists of a 1,493 square foot earthen-covered reinforced concrete-arch magazine structure on a concrete slab foundation. The front of the structure is constructed of a reinforced concrete retaining wall fitted with a security/blast door. A reinforced-concrete blast wall is located west of Building 285 on the opposite side of Ordnance Road.

Building 285 was used to store ammunition for NASB. The building interior consists of a single room with approximate dimensions of 25 feet by 50 feet. The building features a ventilation stack through the roof. Two shallow concrete drains run on either side of the interior of the floor and gravity drain to the exterior of the structure via a small pipe.

No hazardous waste was generated during the operations in Building 285, according to NASB personnel. Building 285 is not heated.

BUILDING INSPECTION / CONDITION

No record of hazardous waste stored at Building 285.

At the time of the site visit, the building appeared in fair condition. The building was empty. No evidence of current or past hazardous waste generation activities was observed. No evidence of hazardous waste residues was observed.

Minor staining that appears to be tire rubber was observed. Joint sealer was observed over the interior of the blast door. No additions, 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 285, according to NASB personnel.

POTENTIAL PCB-CONTAINING TRANSFORMERS

No transformers are associated with Building 285 according to the transformer database.

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 - Same as 1946 plan.

1956 plan - New Ordnance Area show with Buildings 285-289 shown in current location (Labeled HE).

1957 plan - Buildings 285-290 and 543 and 544 are shown in the Weapons Area. Building 290 is labeled Building 280.

1958 aerial - Buildings 285-290 are shown in their current location.

1975 plan - Area not shown.

1978 plan - Same as 1957 plan, Building 290 is now labeled Building 290, not 280.

1978 aerial - Same as 1958 aerial.

1981 aerial - Same as 1978 aerial.

1983 plan - Area not shown.

1984 aerial - Same as 1981 aerial.

1989 plan - Building 285 shown in it's current location in the Weapons area

1989 aerial - same as 1984 aerial

1993 aerial - same as 1989 aerial

1997 aerial - Same as 1993 aerial.

2006 plan - Building 285 shown in it's current location in the Weapons area

No OWS were present at Building 285 according to NASB records.

No USTs or ASTs were present at Building 285 according to NASB records.

HAZARDOUS WASTE STORAGE RECORDS

No hazardous waste was historically stored at Building 285, according to NAS Brunswick Hazardous Waste Manager, D. Bruce Smith.

MISCELLANEOUS NOTES

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

(SEE ATTACHED PHOTOGRAPHS)

INSPECTOR SIGNATURE:



Brandon Smith, P.E.

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

Inspection Date: 9/1/2010

Personnel: James Forrelli, P.E. / Brandon Smith, P.E.

Weather: Clear, 80s

GENERAL BUILDING INFORMATION / USES

Building Name: Ammo Storage Building
 Function: Ammunition storage magazine
 Size: 1,493 SF
 Year of Construction: 1956

Building 286 is located in the southern portion of NASB in the weapons area; on the western interior of the Ordnance Road loop, north of Building 285 and south of Building 287. It was constructed in 1956 and served as a weapons magazine for its entire history. Building 285 consists of a 1,493 square foot earthen-covered reinforced concrete-arch magazine structure on a concrete slab foundation. The front of the structure is constructed of a reinforced concrete retaining wall fitted with a security/blast door. A reinforced-concrete blast wall is located west of Building 286 on the opposite side of Ordnance Road.

Building 286 was used to store ammunition for NASB. The building interior consists of a single room with approximate dimensions of 25 feet by 50 feet. The building features a ventilation stack through the roof. An external telephone callbox and security system is attached to the concrete retaining wall. Two shallow concrete drains run on either side of the interior of the floor and gravity drain to the exterior of the structure via a small pipe. No hazardous waste was generated during the operations in Building 286, according to NASB personnel. Building 286 is not heated.

BUILDING INSPECTION / CONDITION

No record of hazardous waste stored at Building 286.

At the time of the site visit, the building appeared in fair condition. The building was empty.

No evidence of current or past hazardous waste generation activities was observed.

No evidence of hazardous waste residues was observed.

No staining was observed. Joint sealer was observed in cracks on the interior floor. No additions, 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 286, according to NASB personnel.

POTENTIAL PCB-CONTAINING TRANSFORMERS

No transformers are associated with Building 286 according to the transformer database.

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 - Same as 1946 plan.

1956 plan - New Ordnance Area show with Buildings 285-289 shown in current location (Labeled HE).

1957 plan - Buildings 285-290 and 543 and 544 are shown in the Weapons Area. Building 290 is labeled Building 280.

1958 aerial - Buildings 285-290 are shown in their current location.

1975 plan - Area not shown.

1978 plan - Same as 1957 plan, Building 290 is now labeled Building 290, not 280.

1978 aerial - Same as 1958 aerial.

1981 aerial - Same as 1978 aerial.

1983 plan - Area not shown.

1984 aerial - Same as 1981 aerial.

1989 plan - Building 286 shown in it's current location in the Weapons area

1989 aerial - same as 1984 aerial

1993 aerial - same as 1989 aerial

1997 aerial - Same as 1993 aerial.

2006 plan - Building 286 shown in it's current location in the Weapons area

No OWS were present at Building 286 according to NASB records.

No USTs or ASTs were present at Building 286 according to NASB records.

HAZARDOUS WASTE STORAGE RECORDS

No hazardous waste was historically stored at Building 286, according to NAS Brunswick Hazardous Waste Manager, D. Bruce Smith.

MISCELLANEOUS NOTES

Tetra Tech personnel were accompanied on the inspection by Mr. Mike Fagan, NASB Environmental.

(SEE ATTACHED PHOTOGRAPHS)

INSPECTOR SIGNATURE:



Brandon Smith, P.E.

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

Inspection Date: 9/16/2010

Personnel: Brandon Smith, P.E. / Mark Spear, P.E.

Weather: Clear, 60s

GENERAL BUILDING INFORMATION / USES

Building Name: Ammo Storage Building
 Function: Ammunition storage magazine
 Size: 1,493 SF
 Year of Construction: 1956

Building 287 is located in the southern portion of NASB in the weapons area; on the western interior of the Ordnance Road loop, north of Building 286 and south of Building 128. It was constructed in 1956 and served as a weapons magazine for its entire history. Building 285 consists of a 1,493 square foot earthen-covered reinforced concrete-arch magazine structure on a concrete slab foundation. The front of the structure is constructed of a reinforced concrete retaining wall fitted with a security/blast door.

Building 287 was used to store ammunition for NASB. The building interior consists of a single room with approximate dimensions of 25 feet by 50 feet. The building features a ventilation stack through the roof. An external telephone callbox and security system is attached to the concrete retaining wall. Two shallow concrete drains run on either side of the interior of the floor and gravity drain to the exterior of the structure via a small pipe. No hazardous waste was generated during the operations in Building 287, according to NASB personnel. Building 287 is not heated.

BUILDING INSPECTION / CONDITION

No record of hazardous waste stored at Building 287.

At the time of the site visit, the building appeared in fair condition. The building was empty. No evidence of current or past hazardous waste generation activities was observed. No evidence of hazardous waste residues was observed.

Minor staining that appears to be tire rubber was observed. Joint sealer was observed in cracks on the interior floor and water damage in the southwest interior corner was observed with concrete patch. No additions, 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 287, according to NASB personnel.

POTENTIAL PCB-CONTAINING TRANSFORMERS

No transformers are associated with Building 287 according to the transformer database.

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 - Same as 1946 plan.
- 1956 plan - New Ordnance Area show with Buildings 285-289 shown in current location (Labeled HE).
- 1957 plan - Buildings 285-290 and 543 and 544 are shown in the Weapons Area. Building 290 is labeled Building 280.
- 1958 aerial - Buildings 285-290 are shown in their current location.
- 1975 plan - Area not shown.
- 1978 plan - Same as 1957 plan, Building 290 is now labeled Building 290, not 280.

- 1978 aerial - Same as 1958 aerial.
- 1981 aerial - Same as 1978 aerial.
- 1983 plan - Area not shown.
- 1984 aerial - Same as 1981 aerial.
- 1989 plan - Building 287 shown in it's current location in the Weapons area
- 1989 aerial - same as 1984 aerial
- 1993 aerial - same as 1989 aerial
- 1997 aerial - Same as 1993 aerial.
- 2006 plan - Building 287 shown in it's current location in the Weapons area

No OWS were present at Building 287 according to NASB records.

No USTs or ASTs were present at Building 287 according to NASB records.

HAZARDOUS WASTE STORAGE RECORDS

No hazardous waste was historically stored at Building 287, according to NAS Brunswick Hazardous Waste Manager, D. Bruce Smith.

MISCELLANEOUS NOTES

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

(SEE ATTACHED PHOTOGRAPHS)

INSPECTOR SIGNATURE:



Brandon Smith, P.E.

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

Inspection Date: 9/16/2010

Personnel: Brandon Smith, P.E. / Mark Spear, P.E.

Weather: Clear, 60s

GENERAL BUILDING INFORMATION / USES

Building Name: Ammo Storage Building
 Function: Ammunition storage magazine
 Size: 1,493 SF
 Year of Construction: 1956

Building 290 is located in the southern portion of NASB in the weapons area; on the southern interior of the Ordnance Road loop, north of a wooded area and south of Buildings 285 and 126. It was constructed in 1956 and served as a weapons magazine for its entire history. Building 285 consists of a 1,493 square foot earthen-covered reinforced concrete-arch magazine structure on a concrete slab foundation. The front of the structure is constructed of a reinforced concrete retaining wall fitted with a security/blast door. A reinforced-concrete blast wall is located south of Building 290 on the opposite side of Ordnance Road.

Building 290 was used to store ammunition for NASB. The building interior consists of a single room with approximate dimensions of 25 feet by 50 feet. The building features a ventilation stack through the roof. A concrete cylinder with cover containing a grounding rod was observed on the eastern exterior of the building. Two shallow concrete drains run on either side of the interior of the floor and gravity drain to the exterior of the structure via a small pipe.

No hazardous waste was generated during the operations in Building 290, according to NASB personnel. Building 290 is not heated.

BUILDING INSPECTION / CONDITION

No record of hazardous waste stored at Building 290.

At the time of the site visit, the building appeared in fair condition. The building was empty.

No evidence of current or past hazardous waste generation activities was observed.

No evidence of hazardous waste residues was observed.

Minor staining that appears to be tire rubber was observed. Joint sealer was observed in cracks on the interior floor. A concrete patch approximately 3 feet by 25 feet was observed on the floor near the exterior door (a date of 2002 was in the concrete). No additions, 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 290, according to NASB personnel.

POTENTIAL PCB-CONTAINING TRANSFORMERS

No transformers are associated with Building 290 according to the transformer database.

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 - Same as 1946 plan.
- 1956 plan - New Ordnance Area show with Buildings 285-289 shown in current location (Labeled HE).
- 1957 plan - Buildings 285-290 and 543 and 544 are shown in the Weapons Area. Building 290 is labeled Building 280.
- 1958 aerial - Buildings 285-290 are shown in their current location.
- 1975 plan - Area not shown.
- 1978 plan - Same as 1957 plan, Building 290 is now labeled Building 290, not 280.

- 1978 aerial - Same as 1958 aerial.
- 1981 aerial - Same as 1978 aerial.
- 1983 plan - Area not shown.
- 1984 aerial - Same as 1981 aerial.
- 1989 plan - Building 290 shown in it's current location in the Weapons area
- 1989 aerial - same as 1984 aerial
- 1993 aerial - same as 1989 aerial
- 1997 aerial - Same as 1993 aerial.
- 2006 plan - Building 290 shown in it's current location in the Weapons area

No OWS were present at Building 290 according to NASB records.

No USTs or ASTs were present at Building 290 according to NASB records.

HAZARDOUS WASTE STORAGE RECORDS

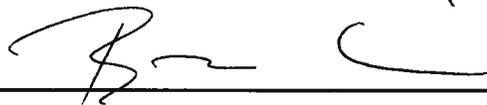
No hazardous waste was historically stored at Building 290, according to NAS Brunswick Hazardous Waste Manager, D. Bruce Smith.

MISCELLANEOUS NOTES

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

(SEE ATTACHED PHOTOGRAPHS)

INSPECTOR SIGNATURE:



Brandon Smith, P.E.

PHOTOGRAPHS



No. 1 Buildings 285, 286, 287 and 290 – NAS Brunswick September 16, 2010
Building 285 – Ammo Storage Facility south elevation



No. 2 Buildings 285, 286, 287 and 290 – NAS Brunswick September 16, 2010
Building 285 – Ammo Storage Facility northwest elevation



No. 3 Buildings 285, 286, 287 and 290 – NAS Brunswick September 16, 2010
Building 285 – Ammo Storage Facility interior



No. 4 Buildings 285, 286, 287 and 290 – NAS Brunswick August 31, 2010
Building 286 – Ammo Storage Facility north elevation.



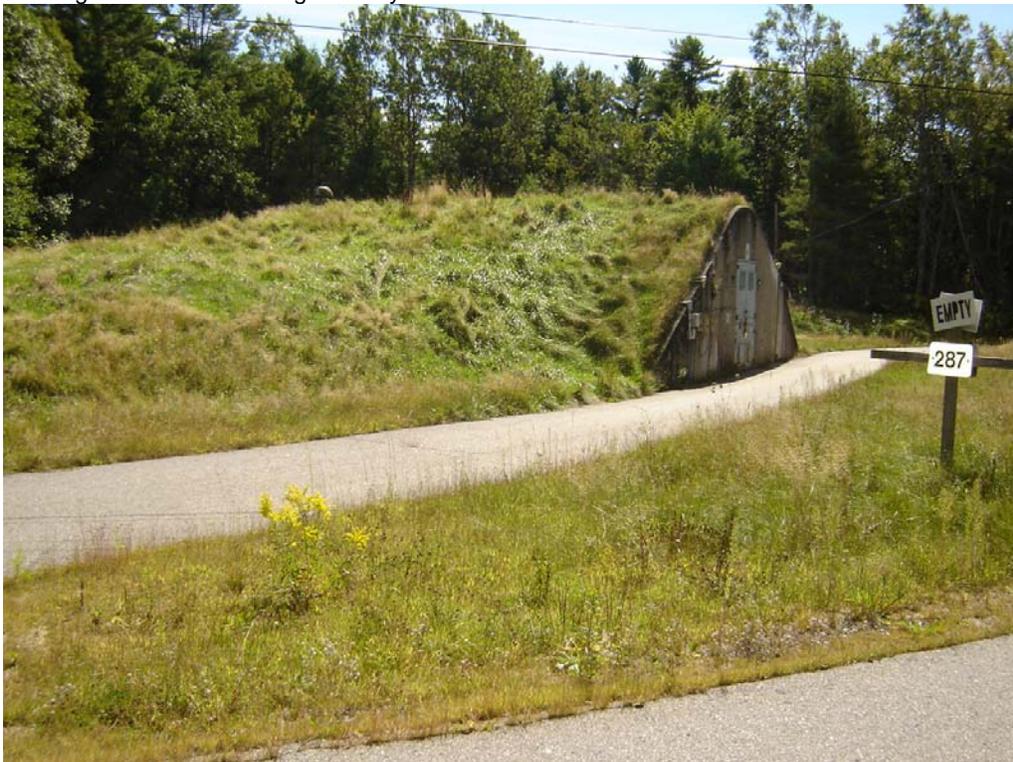
No. 5 Buildings 285, 286, 287 and 290 – NAS Brunswick August 31, 2010
Building 286 – Ammo Storage Facility south elevation.



No. 6 Buildings 285, 286, 287 and 290 – NAS Brunswick August 31, 2010
Building 286 – Ammo Storage Facility interior.



No. 7 Buildings 285, 286, 287 and 290 – NAS Brunswick September 16, 2010
Building 287 – Ammo Storage Facility west elevation.



No. 8 Buildings 285, 286, 287 and 290 – NAS Brunswick September 16, 2010
Building 287 – Ammo Storage Facility north elevation.



No. 9 Buildings 285, 286, 287 and 290 – NAS Brunswick September 16, 2010
Building 287 – Ammo Storage Facility interior.



No. 10 Buildings 285, 286, 287 and 290 – NAS Brunswick September 16, 2010
Building 290 – Ammo Storage Facility south elevation.



No. 11 Buildings 285, 286, 287 and 290 – NAS Brunswick September 16, 2010
Building 290 – Ammo Storage Facility southeast elevation.



No. 12 Buildings 285, 286, 287 and 290 – NAS Brunswick September 16, 2010
Building 290 – Ammo Storage Facility interior.