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NAS BRUNSWICK
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FINAL RESOURCE CONSERVATION AND RECOVERY ACT PARTIAL CLOSURE REPORT
FOR BUILDINGS 60 AND 71 WITH TRANSMITTAL LETTER NAS BRUNSWICK ME
2/11/2011
NAS BRUNSWICK

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

February 11, 2011

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 60 and 71

Dear Mr. Vigneault:

A copy of the Final RCRA Partial Closure Report for Buildings 60 and 71 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,



Fol LISA M. JOY
Environmental Director

Enclosure: (1) Final RCRA Partial Closure Report for Buildings 60 and 71

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

RCRA PARTIAL CLOSURE REPORT
for
BUILDING 60 – INERT ORDNANCE STORAGE
BUILDING 71 – AMMO MAGAZINE
NAVAL AIR STATION BRUNSWICK, MAINE
USEPA IDENTIFICATION NUMBER ME8170022018
JANUARY 2011

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 60 and 71 at Naval Air Station Brunswick (NAS Brunswick).

2. PROPERTY DESCRIPTION

Weapons Buildings 60 and 71 are located in the southeastern portion of NAS Brunswick (Figure 1). The buildings are part of the NAS Brunswick Weapons Area, and are located within the Picnic Pond RCRA Partial Closure Area. The general location and physical description of the two buildings are summarized below. Photographs of the building exteriors and interiors are provided as an attachment to this report.

The investigation conducted under this report applies only to the building footprints of Buildings 60 and 71 (footprints as shown on Figure 2). The Picnic Pond Area RCRA Partial Closure Report addresses the land surrounding and the groundwater underlying Buildings 60 and 71.

Building 60 – Inert Ordnance Storage

Building 60, Inert Ordnance Storage, is located on Merriconeag Road at NAS Brunswick's Weapons Area (Figure 2). Building 60 is bordered to the north by Building 480 (Weapons Area Sentry House), the Weapons Area entrance, and Old Gurnet Road beyond; to the east and south by Merriconeag Road and a wooded area beyond; to the south-southwest by Building 71; and to the west by a wooded area.

Building 60, constructed in the 1970s and prior to 1978, covers an area of 1,010 square feet and is comprised of an earth-covered, metal-arch-roof magazine on a concrete slab foundation. The front of the structure is constructed of a steel plate wing wall, featuring a security/blast door and a timber-cribbing retaining wall.

The building interior consists of a single room with approximate dimensions of 20 feet by 50 feet, and features a ventilation stack through the roof. Two shallow, concrete drains are located in the interior, along the northern and southern sides of the floor. These drain by gravity to the exterior of the structure via a small-diameter pipe. Building 60 is not heated.

Building 71 – Ammo Magazine

Building 71, Ammo Magazine, is located on Merriconeag Road at NAS Brunswick's Weapons Area (Figure 2). Building 71 is bordered to the north by a wooded area, and by Building 60 beyond, to the north-northeast; to the east and south by Merriconeag Road and a wooded area beyond; to the southwest by the Advanced Underwater Warfare (AUW) compound; and to the west by a wooded area.

Building 71, constructed in the 1970s and prior to 1978, covers an area of 1,010 square feet and is comprised of an earth-covered, metal-arch-roof magazine on a concrete slab foundation. The

front of the structure is constructed of a steel plate wing wall, featuring a security/blast door and a timber-cribbing retaining wall.

The building interior consists of a single room with approximate dimensions of 20 feet by 50 feet, and features a ventilation stack through the roof. Two shallow, concrete drains are located in the interior, along the northern and southern sides of the floor. These drain by gravity to the exterior of the structure via a small-diameter pipe. Building 71 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 60 and 71, 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 1953, 1958, 1978, 1981, 1984, 1989, 1993, and 1997 (Sewall, 1953, 1958, 1978, 1981, 1984, 1989, 1993 and 1997) were reviewed. Additional aerial photographs for the parcel, dated 1940, 1959, 1965, 1966, 1972, 1978, and 1980, were also reviewed (U.S. EPA, 1987). Public Works Department (PWD) site base maps dated 1943, 1946, 1952, 1956, 1957, 1975, 1978, 1979, 1989, and 2006 (PWD, 1943, 1946, 1952, 1956, 1957, 1975, 1978, 1979, 1989, and 2006) and site building lists for 1950, 1965, 1976, 2003, and 2008 (PWD, 1950, 1965, 1976, 2003, and 2008) were also reviewed.

The 1946 historical plan is the earliest to show the Buildings 60 and 71 area. This plan shows Gurnet Road with a gate and gatehouse for NAS Brunswick to the west of the current Building 480; no other area features are present. Beginning with the 1956 historical plan, Gurnet Road is present to the north of the current Buildings 60 and 71, and Merriconeag Road is present to the east. New Meadows Cemetery is shown northeast of the intersection of Gurnet Road and Merriconeag Road. The 1957 historical plan shows a railroad running east of Merriconeag Road. In the 1958 aerial photograph, the area of Buildings 60 and 71 is shown as wooded land with no buildings present. No further changes are noted until the 1978 aerial photograph, which shows Buildings 60 and 71 in their current locations. In addition, Gurnet Road is renamed Old Gurnet Road in the 1978 historical map. No further changes are noted in site maps dated after 1978.

In the 1983 Initial Assessment Survey (IAS), the use of Buildings 60 and 71 is listed as "magazine". Also according to the 1983 IAS, the Department of Defense (DOD) Explosives Safety Board in Alexandria, Virginia had conducted annual surveys at NAS Brunswick for the previous 5 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 60

Based on a review of the historical building lists and on discussions with NAS Brunswick Public Works Department (PWD) personnel, since its construction in the 1970s, Building 60 was used only as a magazine, including small arms storage. There is no record of hazardous waste generation at Building 60 (Environmental Department, 2010).

No sanitary facilities are present at Building 60. The area where the building is located is not served by the base-wide sanitary sewer system and no septic systems were identified as associated with Building 60 (Navy, 2006).

No oil/water separator (OWS) has been associated with Building 60 (PWD, 2008b).

According to MEDEP and NAS Brunswick spill records, no spills were reported in the vicinity of Building 60 (Environmental Department, 1999; Environmental Department 2005; and MEDEP, 2010).

The NAS Brunswick Removed Transformer Database lists no electrical transformers associated with the current Building 60 (PWD, 2009).

The NAS Brunswick Aboveground Storage Tank (AST) and Underground Storage Tank (UST) inventory records for Building 60 indicate that no ASTs or USTs have been associated with Building 60 (Environmental Department, 2009).

According to Mr. Brion Hall, NAS Brunswick Explosive Safety Officer, Hazard Class 1.3/1.4 explosives were stored in Building 60. Hazard Class 1.3 explosives are those with a fire hazard such as flares. Hazard Class 1.4 explosives are those with no significant blast hazard, such as small arms ammunition. Due to weapons security issues, no additional information is available on quantities and types of explosives stored.

Building 71

Based on a review of the historical building lists and on discussions with NAS Brunswick Public Works Department (PWD) personnel, since its construction in the 1970s, Building 71 was used only as a magazine, including small arms storage. There is no record of hazardous waste generation at Building 71 (Environmental Department, 2010).

No sanitary facilities are present at Building 71. The area where the building is located is not served by the base-wide sanitary sewer system and no septic systems were identified as associated with Building 71 (Navy, 2006).

No oil/water separator (OWS) has been associated with Building 71 (PWD, 2008b).

According to MEDEP and NAS Brunswick spill records, no spills were reported in the vicinity of Building 71 (Environmental Department, 1999; Environmental Department 2005; and MEDEP, 2010).

The NAS Brunswick Removed Transformer Database lists no electrical transformers associated with the current Building 71 (PWD, 2009).

The NAS Brunswick Aboveground Storage Tank (AST) and Underground Storage Tank (UST) inventory records for Building 71 indicate that no ASTs or USTs have been associated with Building 71 (Environmental Department, 2009).

According to Mr. Brion Hall, NAS Brunswick Explosive Safety Officer, Hazard Class 1.3/1.4 explosives were stored in Building 71. Hazard Class 1.3 explosives are those with a fire hazard such as flares. Hazard Class 1.4 explosives are those with no significant blast hazard, such as small arms ammunition. Due to weapons security issues, no additional information is available on quantities and types of explosives stored.

4. SITE VISIT AND INVESTIGATION

Site visits were conducted for Building 60 on August 12, 2010, by Mr. James Forrelli, P.E., and Mr. Mark Speer, P.E., and for Building 71 on September 16, 2010 by Mr. Brandon Smith, P.E., and Mr. Mark Speer, 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. 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 Forms ⁽¹⁾, are summarized below:

Building 60

- At the time of inspection, Building 60 was unoccupied and in fair condition.
- No evidence of current or past hazardous waste generation was observed.
- No signs of a past release (staining, unusual odors, stressed vegetation, etc.) were observed.
- Gravity-drains in the floor were observed, as described above in Section 2.
- 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 blast doors.

Building 71

- At the time of inspection, Building 71 was unoccupied and in fair condition.
- No evidence of current or past hazardous waste generation was observed.
- No signs of a past release (staining, unusual odors, stressed vegetation, etc.) were observed.
- Gravity-drains in the floor were observed, as described above in Section 2.
- 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 blast doors.

Due to the use of Buildings 60 and 71 as small arms magazines, on September 17, 2010, a total of 12 wipe samples (plus duplicate) were collected at the buildings. Six wipe samples were obtained from each of the two buildings: four wipe samples from the floor of each magazine, and two wipe samples from the walls of each magazine. Samples were analyzed for RCRA metals. Sample locations are shown on Figure 3, and analytical results are presented in Table 1 (Building 60) and Table 2 (Building 71).

The lead results for wipe samples were compared to the MEDEP criteria that are applicable for RCRA closures: for lead-contaminated, settled dust on floors, 40 micrograms per square foot ($\mu\text{g}/\text{ft}^2$); and for lead-contaminated settled dust on walls up to a height of 8 feet, 250 $\mu\text{g}/\text{ft}^2$. There are no Maine criteria for the other seven RCRA metals. For informational purposes, wipe sample results for six of the other seven metals were compared with available World Trade Center Settled Dust Screening Values (WTC, 2003). There are no WTC screening values for selenium.

Lead levels in floor wipe samples were found to exceed the MEDEP criterion of 40 $\mu\text{g}/\text{ft}^2$ in all eight samples collected, four floor wipe samples from each of the two buildings. The lead levels in floor wipe samples ranged from 310 to 700 $\mu\text{g}/\text{ft}^2$ in Building 60, and from 310 to 620 $\mu\text{g}/\text{ft}^2$ in Building 71. In addition, the screening criterion for arsenic was exceeded at two of the four floor wipe sample locations in Building 60.

5. HAZARDOUS WASTE GENERATION AND STORAGE

The investigation results indicate that former activities at Buildings 60 and 71 resulted in the presence of hazardous waste residues requiring remedial actions to fulfill MEDEP hazardous waste closure requirements.

6. CLOSURE ACTIONS

Based on the investigation results, closure remedial actions were undertaken at Buildings 60 and 71 to remove waste residues as required to achieve MEDEP hazardous waste closure requirements. Remedial actions consisted of the cleaning of floors in both magazines.

On January 26, 2011, Tetra Tech's cleaning subcontractor, TK&K Services, performed floor-cleaning activities in Buildings 60 and 71, as well as the cleaning of walls up to a height of 8 feet. The floor was then manually swept and then vacuumed with a high-efficiency particulate air (HEPA) vacuum. After sweeping and vacuuming, floors and walls were sprayed and scrubbed with a 2-percent, lead-specific detergent solution. Floors and walls were then pressure-washed using a 5,000-pounds-per-square-inch (psi) steam-cleaner. All cleaning wastewater was containerized using a wet-vacuum, placed in 55-gallon drums, and transferred to the NAS Brunswick hazardous waste department for disposal. Upon completion, the Tetra Tech field representative performed a visual inspection of the cleaned area.

Buildings 60 and 71 (along with Buildings 59 and 62, closed under a previous RCRA Partial Closure report), have been contracted to be demolished by the Navy (Contract No. N40085-09-D-9506, Task Order 20). Completion of demolition activities is scheduled for February 4, 2011. Due to the imminent demolition of both buildings, post-cleaning confirmation samples were not necessary and were not collected. Decontaminated areas were certified visibly clean by Tetra Tech.

7. OTHER ENVIRONMENTAL CONSIDERATIONS

No tanks or transformers were observed in the immediate vicinity of Buildings 60 and 71, and none are known to exist in these areas, as discussed in Section 3.

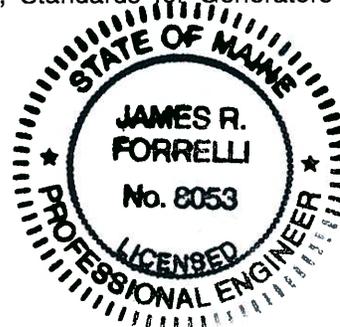
8. LIMITATIONS

This investigation of the hazardous waste closure requirement applies to the footprints of Buildings 60 and 71 (as shown on Figure 2), only. It does not apply to the land surrounding or the groundwater underlying Buildings 60 and 71.

9. CERTIFICATION

Historical operations at Buildings 60 and 71 resulted in the generation of hazardous waste residue in the form of lead-contaminated settled dust on the floors of these small arms magazines. Based on the findings of the investigation as presented in this Partial Closure Report, the hazardous waste closure of Buildings 60 and 71 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, 1999. Environmental Incident Log - Book No. 1, July 1988-November 1999, Environmental Department, NAS Brunswick, Maine.

Environmental Department, 2005. Environmental Incident Log - Book No. 2, December 1999-July 2005, Environmental Department, NAS Brunswick, Maine.

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PWD, 1950. "Available for Lease U.S. Naval Air Station, Brunswick, Maine," First Naval District acting for the Bureau of Yards & Docks Department, US Naval Air Station Brunswick, Maine. May 24.

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

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PWD, 1975. "General Development, Existing and Planned, Operations Area," US Naval Air Station, Brunswick, Maine, NAS Brunswick, Maine. Updated December 2.

PWD, 1976. "Index of Structures, Naval Facilities Engineering Command, Northeast Division Drawing No. 747 256" Naval Air Station Brunswick, Maine. Updated September 21.

PWD, 1979. "Existing Conditions Map Operations Area," Department of the Navy Bureau of Yards & Docks Drawing No. 925130" US Naval Air Station Brunswick, Maine. Updated June 12.

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

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Sewall (James W. Sewall Company), 1953. NAS Brunswick Aerial Photographs. James W. Sewall Company, Old Town, Maine. June 29.

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**TABLE 1
INVESTIGATION FLOOR AND WALL WIPE SAMPLE RESULTS
RCRA PARTIAL CLOSURE REPORT
BUILDING 60 – INERT ORDNANCE STORAGE
NAVAL AIR STATION BRUNSWICK, MAINE**

SAMPLE ID ⁽¹⁾				B60-WP01	B60-WP02	B60-WP02 (duplicate)	B60-WP03	B60-WP04	B60-WP05	B60-WP06	
LOCATION				southeast floor	northeast floor	northeast floor	southwest floor	northwest floor	south wall	north wall	
MATRIX				wipe	wipe	wipe	wipe	wipe	wipe	wipe	
EVENT				pre- cleaning	pre- cleaning	pre-cleaning	pre- cleaning	pre- cleaning	pre- cleaning	pre- cleaning	
DATE				9/17/10	9/17/10	9/17/10	9/17/10	9/17/10	9/17/10	9/17/10	
				CRITERIA							
METALS (µg/ft ²)		WTC	MEDEP wall	MEDEP floor							
arsenic		36	--	--	49	55	59	32	33	4.6 UJ	4.6 UJ
barium		10000	--	--	400	380	440	290	410	6.8	8.1
cadmium		140	--	--	27 J	67 J	29 J	130 J	19 J	5.6 J	4.1 J
chromium		440	--	--	160	200	200	160	130	6.9 J	4.7 J
lead		NA	250	40	560	490	570	700	310	6.6	8.2
mercury		15	--	--	0.093 J	0.19 J	0.093 J	0.093 J	0.083 J	0.0037 J	0.0074 J
selenium		--	--	--	6.9 J	6.5 U	9.3	4.1 J	3.6 J	6.1 J	6.3 J
silver		730	--	--	3.7 UJ	3.7 UJ	3.7 UJ	3.7 UJ	3.7 UJ	3.7 U	3.7 U

Notes:

(1) Sample prefix "NASB" is not shown.

Wipe sample surface area: 10 cm by 10 cm

µg/ft² micrograms per square footMEDEP criterion for lead-contaminated settled dust on floors applicable for RCRA closures is 40 µg/ft²

-- no criteria available

J estimated

NA not applicable

U not detected (with associated detection limit)

shading indicates criteria exceeded

**TABLE 2
INVESTIGATION FLOOR AND WALL WIPE SAMPLE RESULTS
RCRA PARTIAL CLOSURE REPORT
BUILDING 71 – AMMO MAGAZINE
NAVAL AIR STATION BRUNSWICK, MAINE**

SAMPLE ID ⁽¹⁾		B71- WP01	B71-WP02	B71 -WP03	B71 -WP04	B71 -WP05	B71 -WP06		
LOCATION		southeast floor	northeast floor	southwest floor	northwest floor	south wall	north wall		
MATRIX		wipe	wipe	wipe	wipe	wipe	wipe		
EVENT		pre-cleaning	pre-cleaning	pre-cleaning	pre-cleaning	pre-cleaning	pre-cleaning		
DATE		9/17/10	9/17/10	9/17/10	9/17/10	9/17/10	9/17/10		
		CRITERIA							
METALS ($\mu\text{g}/\text{ft}^2$)	WTC	MEDEP wall	MEDEP floor						
arsenic	36	--	--	33	32	23	31	6.5 J	1.2 J
barium	10000	--	--	310	290	200	350	8.5	6.8
cadmium	140	--	--	16	19	37	140	10	2.8 UJ
chromium	440	--	--	130	190	78	140	11 J	3.3 J
lead	NA	250	40	310	470	540	620	21	10
mercury	15	--	--	0.074 J	0.093 J	0.28	0.65	2.1	0.028 J
selenium	--	--	--	6.6 J	6.3 J	9.2 J	6.5 J	7.5 J	7.9 J
silver	730	--	--	12 J	3.5 J	10 J	17	0.56 J	3.7 U

Notes:

(1) Sample prefix "NASB" is not shown.

Wipe sample surface area: 10 cm by 10 cm

 $\mu\text{g}/\text{ft}^2$ micrograms per square footMEDEP criterion for lead-contaminated settled dust on floors applicable for RCRA closures is 40 $\mu\text{g}/\text{ft}^2$

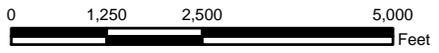
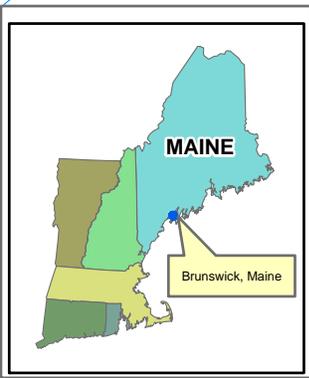
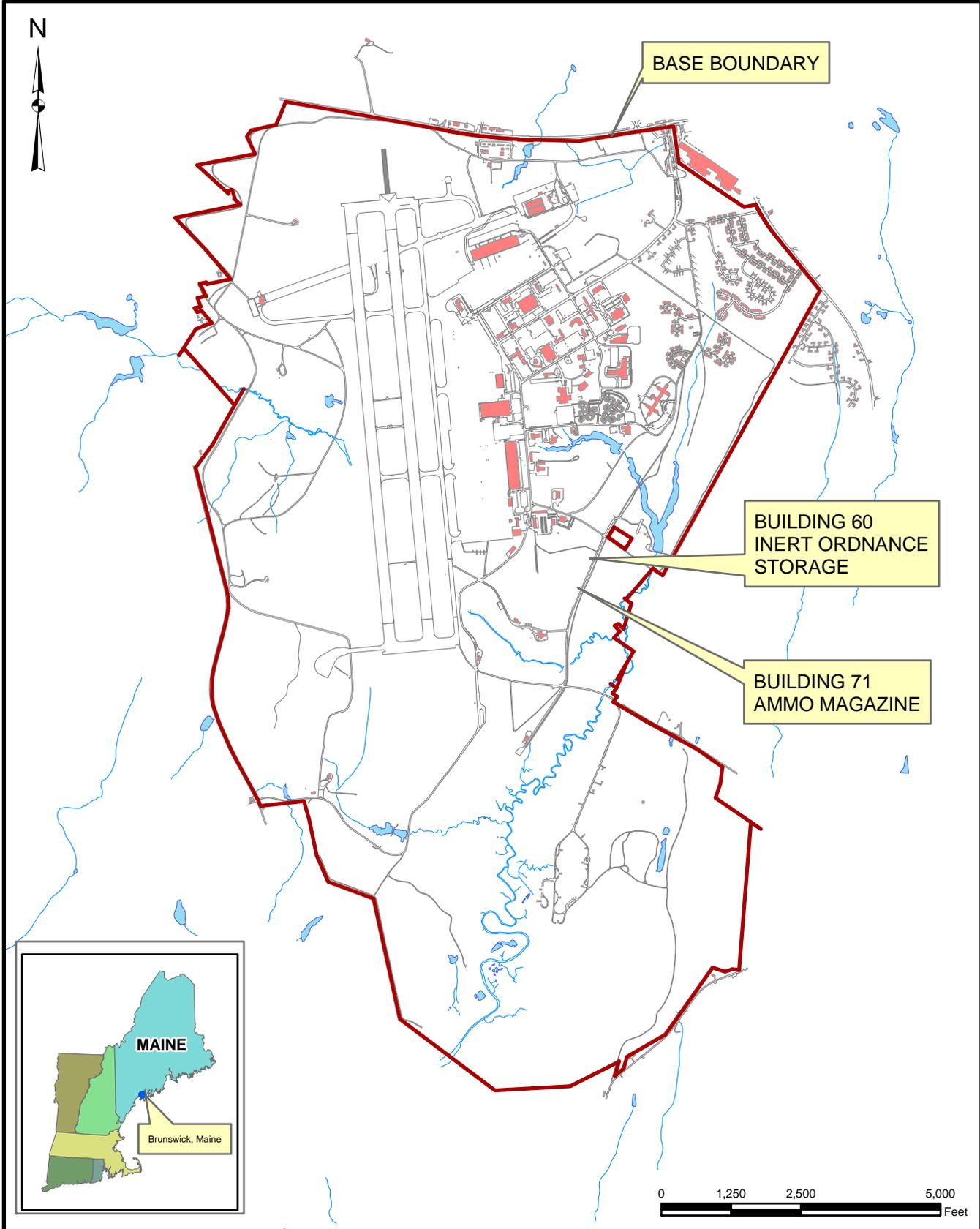
-- no criteria available

J estimated

NA not applicable

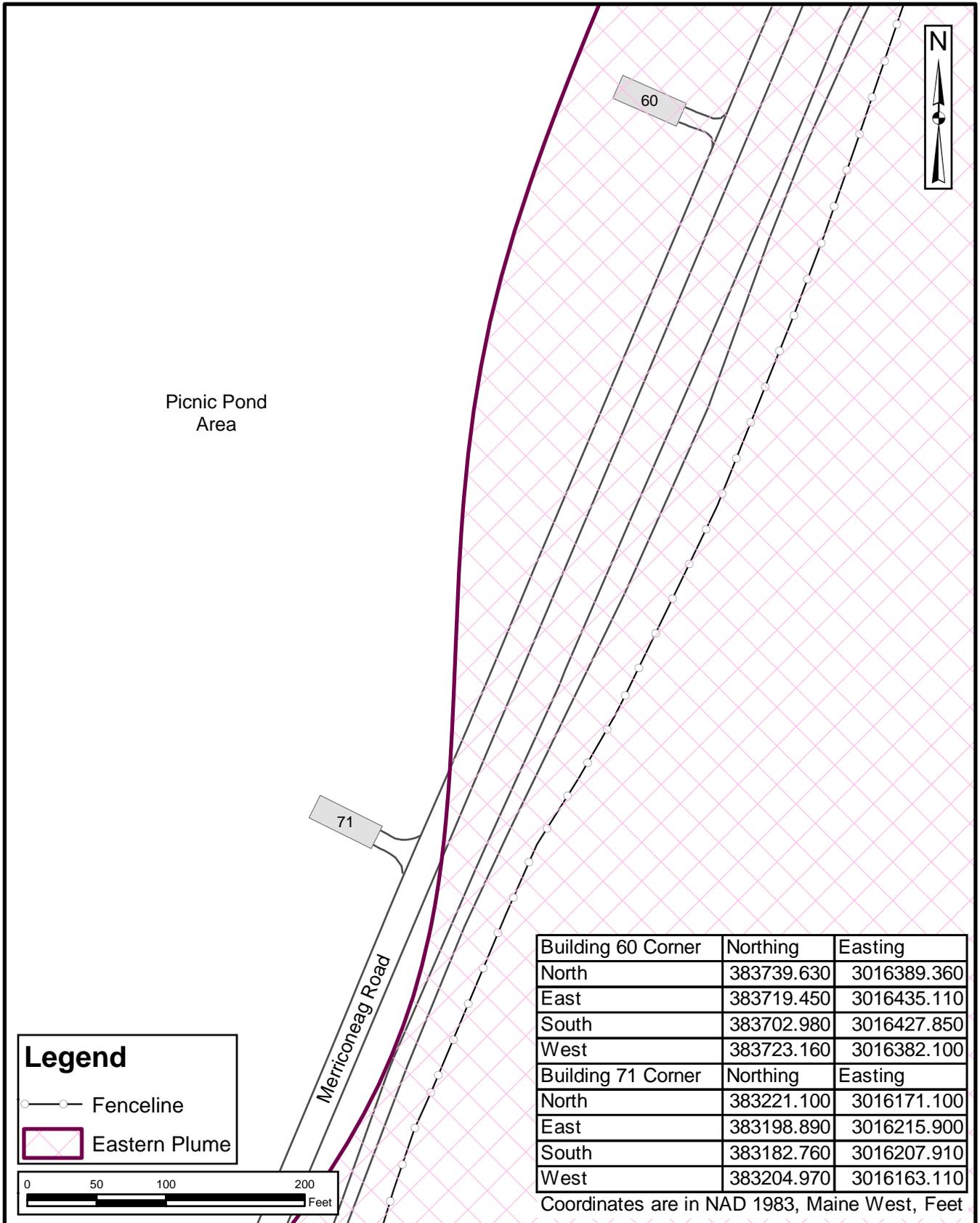
U not detected (with associated detection limit)

shading indicates criteria exceeded



SITE LOCATION MAP
 BUILDING 60 - INERT ORDNANCE STORAGE
 BUILDING 71 - AMMO MAGAZINE
 RCRA PARTIAL CLOSURE REPORT
 NAVAL AIR STATION BRUNSWICK, MAINE

SCALE AS NOTED	
FILE I:\NASB_BLDG_60&71_LOCUS.MXD	
REV 0	DATE 01/28/11
FIGURE NUMBER 1	

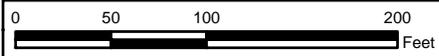


Building 60 Corner	Northing	Easting
North	383739.630	3016389.360
East	383719.450	3016435.110
South	383702.980	3016427.850
West	383723.160	3016382.100
Building 71 Corner	Northing	Easting
North	383221.100	3016171.100
East	383198.890	3016215.900
South	383182.760	3016207.910
West	383204.970	3016163.110

Coordinates are in NAD 1983, Maine West, Feet

Legend

- Fenceline
- Eastern Plume

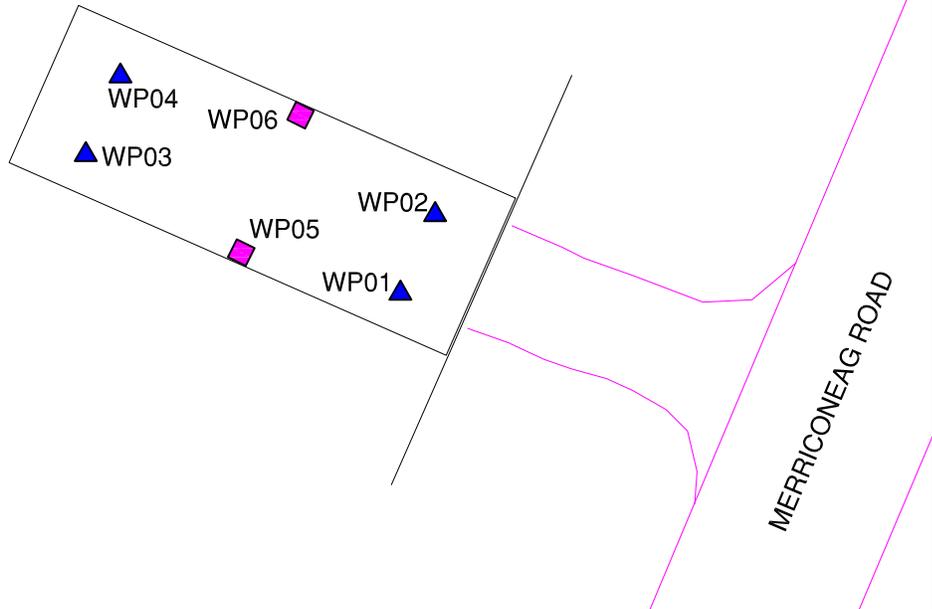


Tetra Tech NUS, Inc.

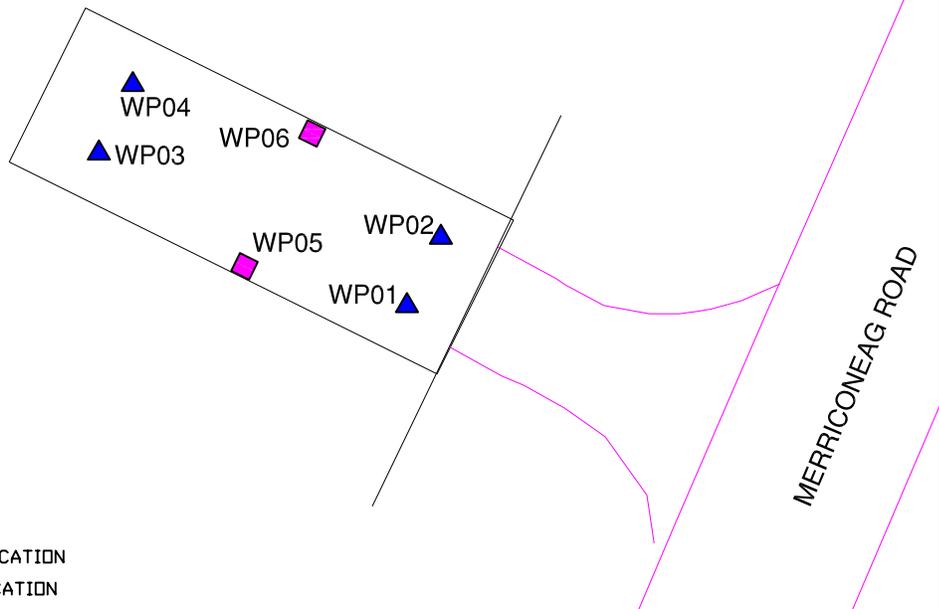
SITE LOCATION MAP
BUILDING 60 - INERT ORDNANCE STORAGE
BUILDING 71 - AMMO MAGAZINE
RCRA PARTIAL CLOSURE REPORT
NAVAL AIR STATION BRUNSWICK, MAINE

SCALE AS NOTED	
FILE L:\NASB_BLDG_60&71_SITE_MAP.MXD	
REV 0	DATE 01/28/11
FIGURE NUMBER FIGURE NO. 2	

BUILDING 60



BUILDING 71



LEGEND

- WP01 ▲ FLOOR WIPE SAMPLE LOCATION
- WP05 ◆ WALL WIPE SAMPLE LOCATION



PRE-CLEANING SAMPLE LOCATIONS
BUILDING 60 - INERT ORDNANCE STORAGE
AND BUILDING 71 - AMMO MAGAZINE
RCRA PARTIAL CLOSURE REPORT
NAVAL AIR STATION BRUNSWICK, MAINE

SCALE AS NOTED	
FILE \\.\NASB_BLDG_60&71_FP.DWG	
REV 0	DATE 01/28/11
FIGURE NUMBER 3	

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

Inspection Date: 08/12/10

Personnel: James Forrelli, P.E. / Mark Speer, P.E.

Weather: Partly Cloudy, 70s

GENERAL BUILDING INFORMATION / USES

Building Name: Building 60 – Inert Ordnance Storage

Function: Inert Ordnance Storage magazine

Size: 1,010 SF

Year of Construction: 1970s

Building 60 is located in the southeastern portion of NAS Brunswick at the entrance to the Weapons Area within the Picnic Pond Area; south of Old Gurnet Road and B480 (Weapons Area Sentry House), west Merriconeag Road, north of the Building 71 (Ammo Magazine), and east of a wooded area. It was constructed in the 1970s, prior to 1978 and served as a weapons magazine, including small arms storage for its entire history.

Building 60 consists of a single room measuring 1,010 square feet in area, and is an earth-covered, metal-arch-roof magazine on a concrete slab foundation. The front of the structure is constructed of a steel plate wing wall, featuring a security/blast door and a timber-cribbing retaining wall. The building features a ventilation stack through the roof. Two shallow concrete drains are located on the interior on either side of the floor, and gravity-drain to the exterior of the structure via a small-diameter pipe. The building is not heated.

HWSA INSPECTION / CONDITION

At the time of inspection, Building 60 was in fair condition; the building was vacant.

No record of hazardous waste stored at Building 60.

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.

POTENTIAL PCB-CONTAINING TRANSFORMERS

No transformers are listed in the NASB transformer database for the Building 60.

APPLICABLE REPORTS / DOCUMENTS

Available historical aerial photos and base maps were reviewed for past uses:
1943 map – Area not shown.
1946 map – No buildings present; Gurnet Road present with NASB gate and gatehouse to the west of B480 area.
1952 map – Same as 1946 map.
1956 map – No buildings present; Gurnet Road runs to the north of B60 area and Merriconeag Road to the east. New Meadows Cemetery is shown northeast of B60 area.
1957 map – Same as 1956 map. Railroad shown running east of Merriconeag Road.
1958 aerial – Wooded area with no buildings present; Gurnet Road runs to the north of B60 area and Merriconeag Road to the east. New Meadows Cemetery is shown northeast of B60 area.
1959, 1965, 1966 aerials – Same as 1958 aerial.
1972 aerial – Same as 1958 aerial.
1975 map – Area not shown.
1978 aerial – B60 (Small Arms Magazine) and B71 (Ammo Magazine) to the south now shown. Gurnet Road renamed Old Gurnet Road.
1978 map – Same as 1957 map with B60 and B71.
1979 map – Area not shown.
1980 aerial – Same as 1978 aerial.
1981 aerial – Same as 1980 aerial.
1983 map – Area not shown.
1984 aerial – Same as 1981 aerial.
1989 map – Same as 1978 map.
1989 aerial – Same as 1984 aerial.
1993 aerial – Same as 1989 aerial.
1997 aerial – Building 60 is visible in its current location.
2006 map – Building 60 is visible in its current location.

There are no above ground storage tanks (ASTs), underground storage tanks (USTs) or oil-water separators (OWS) registered to Building 60.
No spills were reported in the MEDEP or NASB spill logs.

HAZARDOUS WASTE STORAGE RECORDS

No hazardous waste was historically stored at Building 60 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. Building Number 60 was previously assigned a former building located west of the runways that served as a magazine.

(SEE ATTACHED PHOTOGRAPHS)

INSPECTOR SIGNATURE: _____ 

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

Inspection Date: 09/16/10
Personnel: Brandon Smith, P.E. / Mark Speer, P.E.
Weather: Sunny, 60s

GENERAL BUILDING INFORMATION / USES

Building Name: Building 71 – Ammo Magazine
Function: Ammunition Storage magazine
Size: 1,010 SF
Year of Construction: 1970s

Building 71 is located in the southeastern portion of NAS Brunswick at the entrance to the Weapons Area within the Picnic Pond Area; south of Old Gurnet Road and B60 (Inert Ordnance Storage), west Merriconeag Road, northeast of the Advanced Underwater Warfare (AUW) compound, and east of a wooded area. It was constructed in the 1970s, prior to 1978 and served as a weapons magazine, including small arms storage for its entire history.

Building 71 consists of a single room measuring 1,010 square feet in area, and is an earth-covered, metal-arch-roof magazine on a concrete slab foundation. The front of the structure is constructed of a steel plate wing wall, featuring a security/blast door and a timber-cribbing retaining wall. The building features a ventilation stack through the roof. Two shallow concrete drains are located on the interior on either side of the floor, and gravity-drain to the exterior of the structure via a small-diameter pipe. The building is not heated.

HWSA INSPECTION / CONDITION

At the time of inspection, Building 71 was in fair condition; the building was vacant.
No record of hazardous waste stored at Building 71.
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.

POTENTIAL PCB-CONTAINING TRANSFORMERS

No transformers are listed in the NASB transformer database for the Building 71.

APPLICABLE REPORTS / DOCUMENTS

Available historical aerial photos and base maps were reviewed for past uses:

1943 map – Area not shown.

1946 map – No buildings present; Gurnet Road present with NASB gate and gatehouse to the west of B480 area.

1952 map – Same as 1946 map.

1956 map – No buildings present; Gurnet Road runs to the north of B71 area and Merriconeag Road to the east. New Meadows Cemetery is shown northeast of B71 area.

1957 map – Same as 1956 map. Railroad shown running east of Merriconeag Road.

1958 aerial – Wooded area with no buildings present; Gurnet Road runs to the north of B60 area and Merriconeag Road to the east. New Meadows Cemetery is shown northeast of B60 area.

1959, 1965, 1966 aerials – Same as 1958 aerial.

1972 aerial – Same as 1958 aerial.

1975 map – Area not shown.

1978 aerial – B60 (Small Arms Magazine) and B71 (Ammo Magazine) to the south now shown. Gurnet Road renamed Old Gurnet Road.

1978 map – Same as 1957 map with B60 and B71.

1979 map – Area not shown.

1980 aerial – Same as 1978 aerial.

1981 aerial – Same as 1980 aerial.

1983 map – Area not shown.

1984 aerial – Same as 1981 aerial.

1989 map – Same as 1978 map.

1989 aerial – Same as 1984 aerial.

1993 aerial – Same as 1989 aerial.

1997 aerial – Building 71 is visible in its current location.

2006 map – Building 71 is visible in its current location.

There are no above ground storage tanks (ASTs), underground storage tanks (USTs) or oil-water separators (OWS) registered to Building 71.

No spills were reported in the MEDEP or NASB spill logs.

HAZARDOUS WASTE STORAGE RECORDS

No hazardous waste was historically stored at Building 71 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. Building Number 71 was previously assigned a former building located south of Hangar 1 that served as a ready magazine.

(SEE ATTACHED PHOTOGRAPHS)

INSPECTOR SIGNATURE: _____



PHOTOGRAPHS



No. 1 Building 60 – Inert Ordnance Storage, NAS Brunswick August 12, 2010
Building 60 northeast elevation



No. 2 Building 60 – Inert Ordnance Storage, NAS Brunswick August 12, 2010
Building 60 interior



No. 3 Building 71 – Ammo Magazine, NAS Brunswick September 16, 2010
Building 71 southeast elevation



No. 3 Building 71 – Ammo Magazine, NAS Brunswick September 16, 2010
Building 71 interior