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NAS BRUNSWICK
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FINAL RESOURCE CONSERVATION AND RECOVERY ACT PARTIAL CLOSURE REPORT
FOR BUILDINGS 117 AND 118 WITH TRANSMITTAL LETTER NAS BRUNSWICK ME
9/8/2010
NAS BRUNSWICK

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

September 8, 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 117 and 118

Dear Mr. Vigneault:

A copy of the Final RCRA Partial Closure Report for Buildings 117 and 118 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 117 and 118

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
BUILDINGS 117 AND 118 – FILLING STATION PARCEL
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) Resource Conservation and Recovery Act (RCRA) or hazardous waste closure requirements have been completed for the Buildings 117 and 118 parcel at Naval Air Station Brunswick (NAS Brunswick).

2. PROPERTY DESCRIPTION

The Buildings 117 and 118 parcel is located in the north-central portion of NAS Brunswick (Figure 1). The approximately 0.6-acre parcel is bordered along its northwest boundary by the Building 32 (POL Office) parcel; along its northeast boundary by Sixth Street, and beyond by the Old Navy Fuel Farm (ONFF); along its southeast boundary by Building 103 (Security-Dog Kennel), and beyond by a tree- and brush-covered area referred to as Site 17; and along its southwest boundary by the intersection of Seahawk Avenue and Pegasus Street (Figure 2). Site 17 (Former Building 95), which borders the Building 103 parcel to the southeast, is the former location of buildings that housed base pesticides and herbicides operations, and is being investigated by the Navy's Installation Restoration Program (IRP).

The parcel contains Building 117, known as the Filling Station, and Building 118, the Filling Station Storage Building, as well as an asphalt-paved drive and adjacent grass-covered areas. In addition, three underground storage tanks (USTs) associated with the filling station activities are located in the southeast corner of the parcel, adjacent to the Building 103 parcel and Sixth Street. Two of the three USTs are below a concrete pad. Gasoline and diesel fuels are dispensed to Navy vehicles at this filling station location.

The surface topography of the Buildings 117 and 118 parcel is relatively flat, with only a 3-foot change in elevation between the western and eastern portions of the parcel (between Pegasus Street and Sixth Street, respectively). The land slopes gradually to the east, toward the ONFF.

Building 117

Building 117 is located in the north-central portion of the parcel and in the central portion of the paved driveway. The building was constructed in 1984 and consists of a 124-square-foot, one-story structure on a concrete slab foundation, with four fuel dispensers for diesel fuel and gasoline, one at each corner of the building. The one-room building served as a vehicle fuel filling station. Associated UST monitoring equipment and control switches are located within Building 117. The building is currently heated by a ceiling-mounted electric heater. Photographs of Building 117 are provided in an attachment.

Building 118

Building 118 is located immediately south of Building 117, as shown on Figure 2. This building was also constructed in 1984 and consists of a 42-square-foot, one-story structure on a concrete slab foundation. This one-room building formerly served as the UST monitoring and control system building, and most recently as the filling station storage facility. Vehicle fluids such as anti-freeze, windshield wiper fluid, oil, etc., were not provided at this facility and no liquids were stored within Building 118, per NAS Brunswick personnel. Photographs of the Building 118 exterior and interior are provided in an attachment.

3. PROPERTY HISTORY AND RECORDS RESEARCH

The Tetra Tech NUS, Inc. (Tetra Tech) project team interviewed NAS Brunswick Environmental Department personnel and performed records research at both NAS Brunswick and the MEDEP office in Augusta, Maine to collect available information concerning the Buildings 117 and 118 parcel, including past use and operations at that location.

According to NAS Brunswick Environmental Department personnel, since their construction in 1984, the sole use of Building 117 has been as a vehicle filling station and the use of Building 118 has been as a UST monitoring equipment station and later as the filling station storage facility, as described above in Section 2. According to NAS Brunswick personnel, no vehicle maintenance activities were performed at this location. Also NAS Brunswick personnel report that no hazardous waste was generated or accumulated during the operation of Buildings 117 and 118.

Records reviewed include: historical aerial photographs; the NAS Brunswick Other Environmental Liabilities (OEL) Database; area-specific reports; facility plans and drawings; and hazardous operation 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 along with Public Works Department (PWD) site base maps dated 1943, 1946, 1952, 1956, 1975, 1978, 1983, 1989, and 2006 and site building lists dated 1950, 1965, 1976, 2003, and 2008 (PWD, 1943, 1946, 1950, 1952, 1956, 1965, 1975, 1976, 1978, 1983, 1989, 2003, 2006, and 2008) to provide historical information.

The earliest aerial photograph on which Buildings 117 and 118 are first visible is dated 1989 (Sewall, 1989). A "Building 91 (Foam Storage)" was formerly located on the Buildings 117 and 118 parcel, between 1943 and approximately 1978 (PWD, 1978). Building 91 was associated with the ONFF, located east of the Buildings 117 and 118 parcel. The building appears to have been located in the approximate footprint of the current Building 118. Building 32 (POL Office) is present to the north of the Buildings 117 and 118 parcel beginning in the 1983 aerial photograph. Building 103 (Security-Dog Kennel), present to the south of the parcel, was constructed in 2004.

The NAS Brunswick Transformer Database lists no electrical transformers for Buildings 117 or 118 (PWD, 2009). No oil/water separators are listed for Buildings 117 or 118 on the NAS Brunswick Revised Oil/Water Separator List (PWD, 2008b). According to NAS Brunswick records, there were no aboveground storage tanks (ASTs) on the Buildings 117 and 118 parcel (Environmental Department, 2009). The records do list the following former or current USTs at the parcel:

MEDEP Reg. No.	NAS Brunswick No.	Capacity and Material	Stored Product	Installation Date	Removal Date
10045-441	117.0	10,000-gallon FRP	unleaded gasoline	August 1983	September 1992
10045-442	117.1	6,000-gallon FRP	diesel	August 1983	September 1992
10045-472	117.2	4,000-gallon steel	gasoline	Unknown	November 1989
10045-473	117.3	4,000-gallon steel	gasoline	Unknown	November 1989
10045-475	117.4	4,000-gallon steel	gasoline	Unknown	November 1989
10045-481	117.5	20,000-gallon steel	unleaded gasoline	January 1990	Active
10045-482	117.6	20,000-gallon steel	unleaded gasoline	January 1990	Active
10045-491	117.7	10,000-gallon steel	diesel	September 1992	Active

FRP fiberglass-reinforced plastic

In the NAS Brunswick and MEDEP spill records, one release was identified for the Buildings 117 and 118 parcel (MEDEP, 2010). Information regarding this spill report is provided in the following table:

MEDEP Spill ID	Report Date	Location	Release Description
P-577-1992	Sept. 9, 1992	UTM North 4861212.47 UTM East 425546.41	A 24-gallon No. 2 fuel oil release from an old UST at the ONFF, which was remedied by "land farming onsite".

The coordinates provided in this MEDEP spill/release report indicate the release occurred at the current location of the Buildings 117 and 118 parcel, and coincides with the September 1992 removal of Tank No. 10045-442 from the parcel.

Information concerning groundwater in the vicinity of the Buildings 117 and 118 parcel is available in a recent ONFF groundwater monitoring report prepared by ECOR Solutions, Inc. (ESI) (ESI, 2009). Also reviewed as part of the records research task was available sampling information from an investigation of the neighboring parcel to the south, the Site 17 Remedial Investigation (RI) conducted in October 2008. Applicable information is summarized below.

The ONFF, located east and hydraulically cross-gradient from the Buildings 117 and 118 parcel, was decommissioned in 1993 and remediated in 2000. Groundwater levels were measured twice per year in wells located in the vicinity of the Buildings 117 and 118 parcel. Groundwater samples were collected from a network of wells to monitor dissolved-phase hydrocarbon migration in groundwater. The April and October 2008 monitoring results indicate that groundwater is encountered at about 3 to 7 feet below ground surface (bgs) and flows from the ONFF to the southeast, across Fitch Avenue, and is therefore unlikely to impact groundwater underlying the Buildings 117 and 118 parcel, located to the west (ESI, 2009; Tetra Tech, 2010).

In groundwater monitoring reports relating to Site 17 (former Building 95), several compounds were detected at concentrations exceeding applicable criteria: two pesticides at one monitoring well location, and diesel range organics (DRO) at several well locations. According to Site 17 information, groundwater flows to the southeast from the site (the Building 95 parcel) and is therefore unlikely to impact groundwater underlying the Buildings 117 and 118 parcel, located to the northwest (Tetra Tech, 2009).

4. SITE VISIT AND INVESTIGATION

A site visit was conducted by Mr. Brian Geringer and Mr. Mark K. Speer, P.E., of Tetra Tech on July 29, 2010. The purpose of the visit was to verify information gathered during the records search and to collect additional information as necessary to prepare this RCRA Partial Closure Report. Tetra Tech personnel were accompanied by Mr. D. Bruce Smith, the NAS Brunswick Hazardous Waste Manager. The interior and exterior of Buildings 117 and 118 were observed during the site visit and the parcel was visually inspected for signs of hazardous waste generation or storage. Photographs taken during the site visit are provided in an attachment. Site visit observations, recorded on the attached Building Inspection Form ⁽¹⁾, are summarized below:

- Buildings 117 and 118 were unoccupied at the time of the site visit and appeared in good condition.
- No gasoline or diesel fuel odors were detected in Buildings 117 or 118.
- No evidence of current or past hazardous waste generation was observed.
- No evidence of current or past hazardous materials use was observed.
- No evidence of hazardous waste residues was observed.
- No signs of a past release (staining, unusual odors, stressed vegetation, etc.) nor structural modifications that could conceal signs of a past release were observed.
- No hazardous waste storage was observed.
- At the Building 117 concrete pad, minor surface staining was observed adjacent to a roof-drain downspout outlet and is believed to be due to the long-term effects of precipitation

flushing over the asphalt and gravel roof system during the life of the structure, approximately 25 years.

- No transformers that could be a potential source of PCB contamination were observed.
- Three USTs (Nos. 10045-481, 10045-482, and 10045-491) are located on site, in the southwest corner of the parcel. Nos. 10045-481 and 10045-482 are located beneath a concrete pad. No. 10045-491 is located north of this concrete pad UST installation.
- No ASTs or oil/water separators associated with Buildings 117 or 118 were observed.
- A localized area of paint-chip flaking was observed on the interior and exterior of the eastern concrete-block wall of Building 118.

Based on the records research findings and site visit observations, it was determined that neither further inspection nor sampling at the Buildings 117 and 118 parcel is required to complete the MEDEP hazardous waste closure requirements.

5. HAZARDOUS WASTE GENERATION AND STORAGE

Based on the records research, site visit observations, and NAS Brunswick Environmental Department personnel interviews, with the exception of universal waste, no hazardous waste generation, accumulation, or storage was conducted at the Buildings 117 and 118 parcel.

6. OTHER ENVIRONMENTAL CONSIDERATIONS

According to NAS Brunswick records, USTs have been or are being utilized at the Buildings 117 and 118 parcel, and were described in Section 3. Additionally, one historic spill/release was associated with this parcel in 1992, and the spill/release is also described in Section 3.

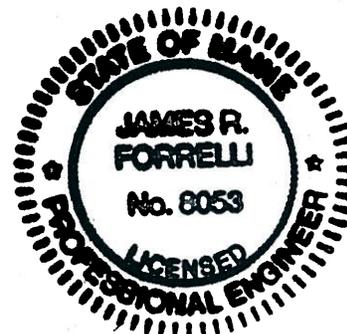
7. LIMITATIONS

This investigation of the hazardous waste closure requirement applies to the Buildings 117 and 118 parcel (as shown on Figure 2) only.

8. CERTIFICATION

Based on the findings of this investigation, there have been no activities resulting in the generation, accumulation, or storage of hazardous waste at the Buildings 117 and 118 parcel, NAS Brunswick, Maine. Therefore, the hazardous waste closure of the Buildings 117 and 118 parcel 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 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

- ESI (ECOR Solutions, Inc.), 2009. "Final Groundwater Monitoring Report, April 2008 and October 2008 Sampling Events, Old Navy Fuel Farm, Naval Air Station Brunswick, Maine, Contract Number N62472-03-D-0802, Contract task Order 0172". September.
- Environmental Department, 2009. Master/Historical Aboveground and Underground Storage Tank Inventory. NAS Brunswick, Maine. February.
- MEDEP (Maine Department of Environmental Protection), 2010. Bureau of Remediation & Waste Management, Hazardous & Oil Spill System Online Report Service, August.
- PWD (Public Works Department), 1943. "US Naval Air Station, Brunswick, Maine, Building Site Plan Showing Locations of Underground Water Distribution Lines and Hydrants," 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, 1950. "Available for Lease, U.S. Naval Air Station, Brunswick, Maine" First Naval District, Department of the Navy 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.
- PWD, 1956. General Station Map, Enclosure 2. , NAS Brunswick, Maine.
- PWD, 1965. "Index of Structures, Department of the Navy Bureau of Yards & Docks Department" US Naval Air Station Brunswick, Maine. Updated May 13.
- 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, 1978. "Repair Storage Magazines, Area Location & Index of Drawings, Drawing No. 2030672" US Naval Air Station, Brunswick, Maine, NAS Brunswick, Maine. Updated August 22.
- PWD, 1979. "Department of the Navy Bureau of Yards & Docks, Naval Air Station, Brunswick, Maine, Existing Conditions Map, Operations Area, Y&D Dwg. No. 925130" US Naval Air Station, Brunswick, Maine, NAS Brunswick, Maine. Updated June 12.
- PWD, 1983. "Existing Conditions Map. Public Works Department Drawing No. 2157" NAS Brunswick, Maine. May 5.
- PWD, 1989. "Existing Conditions Map. Public Works Department Drawing No. 2157" NAS Brunswick, Maine. Revised April 2.
- PWD, 2003. "NAS Brunswick, Facility List," US Naval Air Station, Brunswick, Maine, NAS Brunswick, Maine. March 9.
- PWD, 2006. Brunswick Naval Air Station, NAS Brunswick, Maine.

PWD, 2008a. "Draft NAS Brunswick, Facility List," US Naval Air Station, Brunswick, Maine, NAS Brunswick, Maine. March.

PWD, 2008b. Revised Oil/Water Separator List, Table J-C4(a). NAS Brunswick, Maine. January 1.

PWD, 2009. Master Transformer Database. NAS Brunswick, Maine. June 24.

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

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

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

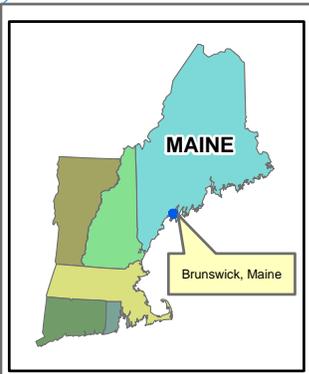
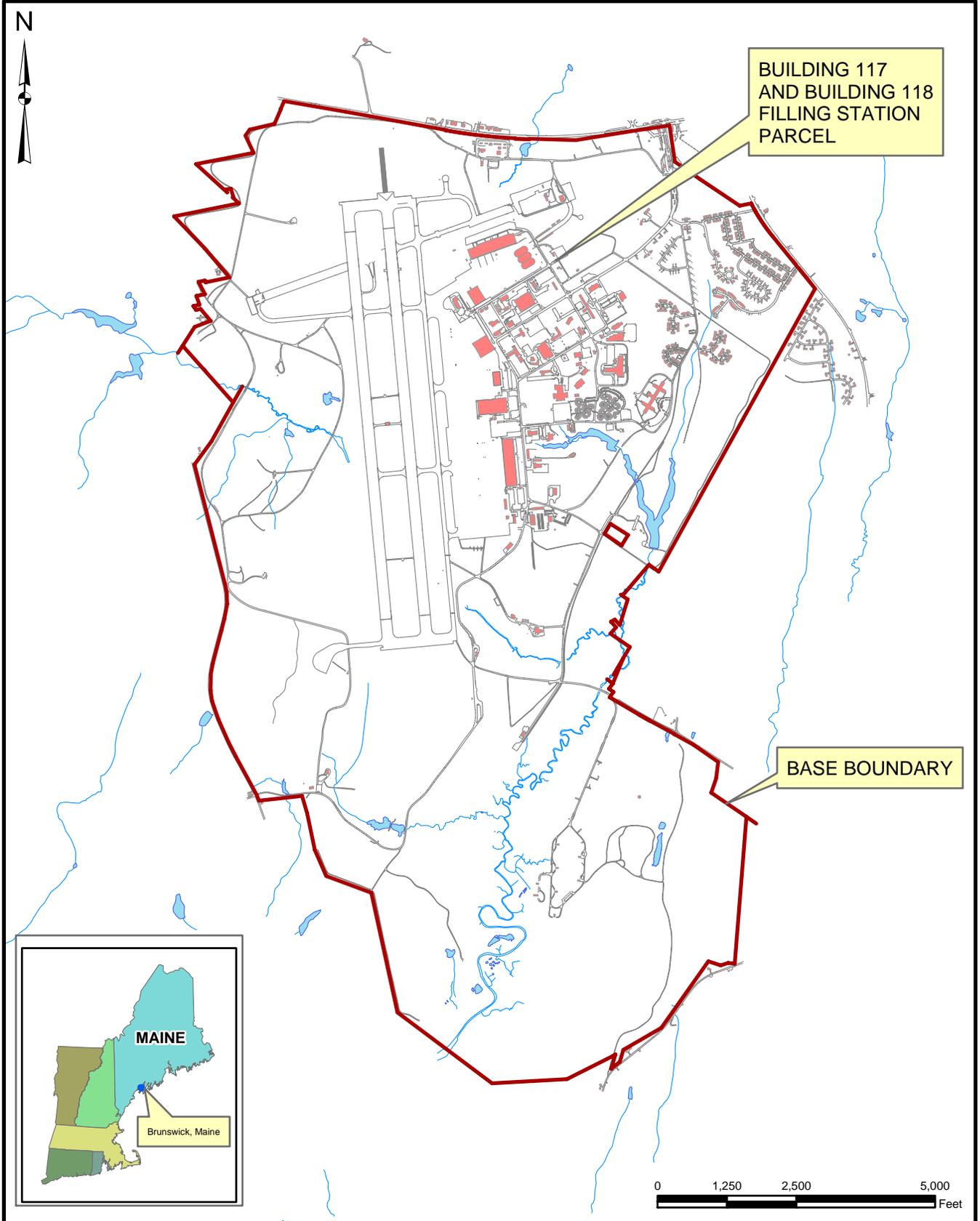
Sewall, 1989. NAS Brunswick Aerial Photographs. James W. Sewall Company, Old Town, ME. April 2.

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. May 27.

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

Tetra Tech, 2010. "Final RCRA Closure Report For Building 103 – Security-Dog Kennel Parcel, Naval Air Station Brunswick, Maine, USEPA Identification Number ME8170022018". June.

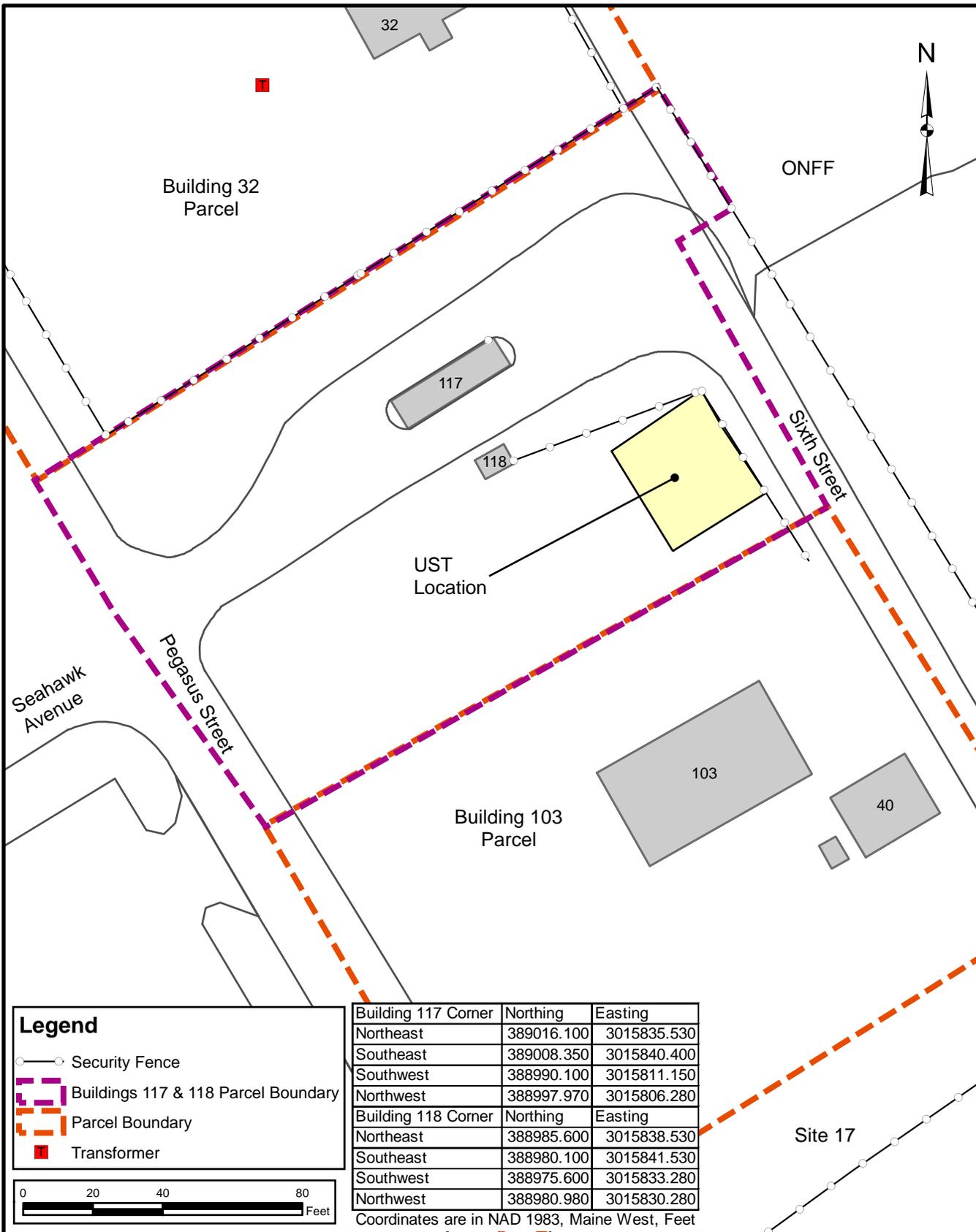


Tetra Tech NUS, Inc.

SITE LOCATION MAP
BUILDING 117 AND BUILDING 118 - FILLING STATION PARCEL
RCRA PARTIAL CLOSURE REPORT
NAVAL AIR STATION BRUNSWICK, MAINE

SCALE AS NOTED	
FILE I:_NASB_BLDG_117&118_LOCUS.MXD	
REV 0	DATE 08/24/10
FIGURE NUMBER 1	

I:\02258\CP\DRIN\ASB_BLDG_117&118_ORTHO.MXD DWM 09/02/10



Legend

- Security Fence
- Buildings 117 & 118 Parcel Boundary
- Parcel Boundary
- Transformer



Building 117 Corner		Northing	Easting
Northeast		389016.100	3015835.530
Southeast		389008.350	3015840.400
Southwest		388990.100	3015811.150
Northwest		388997.970	3015806.280
Building 118 Corner		Northing	Easting
Northeast		388985.600	3015838.530
Southeast		388980.100	3015841.530
Southwest		388975.600	3015833.280
Northwest		388980.980	3015830.280

Coordinates are in NAD 1983, Maine West, Feet



SITE PLAN
BUILDING 117 AND BUILDING 118 - FILLING STATION PARCEL
RCRA PARTIAL CLOSURE REPORT
NAS BRUNSWICK, MAINE

SCALE AS NOTED	
FILE	
I:\N\ASB_BLDG_117&118_ORTHO.MXD	
REV	DATE
0	09/02/10
FIGURE NUMBER	
2	

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

Inspection Date: 7/29/10

Personnel: Brian Geringer / Mark Speer, P.E.

Weather: Partly Cloudy, 80s

GENERAL BUILDING INFORMATION / USES

Building Name: Filling Station

Function: Filling station

Size: 124 SF

Year of Construction: 1984

Building 117 is located immediately east of the intersections of Seahawk Avenue and Pegasus Street. The USTs associated with the Building 117 are located immediately southeast of the structure; south is Building 118 (Filling Station Storage), Building 103 (Security – Dog Kennel) and a wooded area beyond referred to as Site 17; west is Pegasus Street, with the Hangar 6 parcel north of Seahawk Avenue and Buildings 28 (Oxygen Shop) and 223 (NMCI) parcels south of Seahawk Avenue; and north is Building 32 (POL Old Fuel Farm). Building 117 has served as a vehicle filling station for its entire history.

Building 117 is a one story, concrete block structure on a concrete pad, reportedly with an asphalt and gravel roof system. Four fuel pumps are located adjacent to Building 117, one at each corner of the structure on the concrete pad. Building 117 consists of one room, no hazardous materials were used in its operation and no hazardous waste was generated, according to NAS Brunswick personnel. Building 117 is heated via a ceiling mounted electric heater.

HWSA INSPECTION / CONDITION

At the time of inspection, Building 117 was vacant and in good condition. No evidence of current or past hazardous waste generation was observed. No evidence of hazardous waste residues was observed. No signs of a past release (staining, unusual odors, etc.) were observed. Minor black color staining was observed on the concrete pad at the south side of the structure, which appears to be attributable from the asphalt roof system, at the roof drain down spout outlet. 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 transformer that could be a potential source of polychlorinated biphenyls (PCBs) contamination in the event of a leak was observed.

APPLICABLE REPORTS / DOCUMENTS

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

1943 map – Access roadway to gasoline storage farm; with Building 91 (Foam Generator Hut) immediately south of roadway and within Building 118 footprint.

1946 map – Same as 1943 map.

1950 building list – Building 91 (Foam Generator Shack) present.

1952 map – Same as 1943 map.

1953 aerial – Aerial lacks clarity to make a determination.

1956 map – A new building located north of the gasoline farm access roadway is noted as Building 230 (Operations, Tacan Transmitter Building); Building 91 was renamed “Security”.

1957 map – Same as 1956 map; except building 230 was renumbered to 267.

1958 aerial – Access roadway, and Buildings 91 and 267 are present.

1965 building list – Buildings 91 (Foam Storage) and 267 (Gas Farm Office) are present.
1975 map – Same as 1957 map.
1976 building list – Same as 1965 list.
1978 map – No buildings shown; although the map lacks sufficient detail in subject area.
1978 aerial – Undetermined; aerial lacks sufficient clarity to make a final determination if a structure is located in the current Buildings 117 and 118 footprints.
1979 map – Building 267 appears to have been razed or expanded, and renumbered as 32; while Building 91 appears to have been shifted east. Two unnamed/numbered structures are located immediately east of Building 91.
1981 aerial – Two buildings present, appear to be Buildings 32 and 91.
1984 aerial – Building 32 appears to be present; with Building 91 razed and construction activities ongoing in the 91 footprint and the access roadway.
1989 map – No buildings shown; although the map lacks sufficient detail in subject area.
1989 aerial – Buildings 32 and 117 appear to be present; although no determination can be made on Building 118 due to shadows in the aerial.
1993 aerial – Buildings 117 and 118, along with concrete pad above USTs, are present.
1997 aerial – Same as 1993 aerial.
2003 building list – Buildings 117 (Filling Station), and 118 (Filling Station Storage) are listed.
2006 map – Buildings 117 and 118, along with the UST pad are shown.
2008 building list – Same as 2003 list.
Current Google aerial – Current site configuration.

According to NASB records, the following underground storage tanks (USTs) were located at the Buildings 117 and 118 parcel:

- Tank No. 10045-441, a 10,000 gallon fiberglass reinforced plastic (FRP) UST containing unleaded gasoline (installed: Aug. 1983, removed: Sept. 1992);
- Tank No. 10045-442, a 6,000 gallon FRP UST containing diesel fuel (installed: Aug. 1983, removed: Sept. 1992);
- Tank No. 10045-472, a 4,000 gallon asphalt coated bare steel (BR ASPH ST) UST containing gasoline (installed: unknown, removed: Nov. 1989);
- Tank No. 10045-473, a 4,000 gallon BR ASPH ST UST containing gasoline (installed: unknown, removed: Nov. 1989);
- Tank No. 10045-475 a 4,000 gallon BR ASPH ST UST containing gasoline (installed: unknown, removed: Nov. 1989);
- Tank No. 10045-481 a 20,000 gallon dual wall steel (DW ST) UST containing unleaded gasoline (installed: Jan. 1990, removed: Active);
- Tank No. 10045-482 a 20,000 gallon DW ST UST containing unleaded gasoline (installed: Jan. 1990, removed: Active);
- Tank No. 10045-491 a 10,000 gallon DW ST UST containing diesel fuel (installed: Sept. 1992, removed: Active).

No above ground storage tanks (ASTs), or oil-water separators (OWS) were registered to Building 117.

According to the Maine Department of Environmental protection (MEDEP) records, the following spills/releases occurred on/adjacent to the Buildings 117 and 118 parcel:

- Spill ID P-577-1992 reported September 9, 1992; No. 2 fuel oil release from an old UST (UTM

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

Inspection Date: 7/29/10

Personnel: Brian Geringer / Mark Speer, P.E.

Weather: Partly Cloudy, 80s

GENERAL BUILDING INFORMATION / USES

Building Name: Filling Station Storage

Function: Filling station storage

Size: 42 SF

Year of Construction: 1984

Building 118 is located east of the intersections of Seahawk Avenue and Pegasus Street, and immediately south of Building 117 (Filling Station). The USTs associated with the Building 117 parcel are located immediately southeast of Building 118. Building 118 has served as both a vehicle filling station UST monitoring equipment installation and as storage during its history.

Building 118 is a one story, concrete block structure on a concrete pad, with an asphalt and gravel roof system. Former UST monitoring equipment electrical and control wiring conduits and switch boxes remain in Building 118. Building 118 consists of one room, no hazardous materials were used in its operation and no hazardous waste was generated, according to NAS Brunswick personnel. Building 118 is not heated, ventilated or cooled.

HWSA INSPECTION / CONDITION

At the time of inspection, Building 118 was vacant and in good condition. No evidence of current or past hazardous waste generation was observed. No evidence of hazardous waste residues was observed. No signs of a past release (staining, unusual odors, etc.) were observed. Minor localized paint loss was observed, thought to be due to humidity inside the building. The 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 transformer that could be a potential source of polychlorinated biphenyls (PCBs) contamination in the event of a leak was observed.

APPLICABLE REPORTS / DOCUMENTS

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

1943 map – Access roadway to gasoline storage farm; with Building 91 (Foam Generator Hut) immediately south of roadway and within Building 118 footprint.

1946 map – Same as 1943 map.

1950 building list – Building 91 (Foam Generator Shack) present.

1952 map – Same as 1943 map.

1953 aerial – Aerial lacks clarity to make a determination.

1956 map – A new building located north of the gasoline farm access roadway is noted as Building 230 (Operations, Tacan Transmitter Building); Building 91 was renamed "Security".

1957 map – Same as 1956 map; except building 230 was renumbered to 267.

1958 aerial – Access roadway, and Buildings 91 and 267 are present.

1965 building list – Buildings 91 (Foam Storage) and 267 (Gas Farm Office) are present.

1975 map – Same as 1957 map.

1976 building list – Same as 1965 list.

1978 map – No buildings shown; although the map lacks sufficient detail in subject area.
1978 aerial – Undetermined; aerial lacks sufficient clarity to make a final determination if a structure is located in the current Buildings 117 and 118 footprints.
1979 map – Building 267 appears to have been razed or expanded, and renumbered as 32; while Building 91 appears to have been shifted east. Two unnamed/numbered structures are located immediately east of Building 91.
1981 aerial – Two buildings present, appear to be Buildings 32 and 91.
1984 aerial – Building 32 appears to be present; with Building 91 razed and construction activities ongoing in the 91 footprint and the access roadway.
1989 map – No buildings shown; although the map lacks sufficient detail in subject area.
1989 aerial – Buildings 32 and 117 appear to be present; although no determination can be made on Building 118 due to shadows in the aerial.
1993 aerial – Buildings 117 and 118, along with concrete pad above USTs, are present.
1997 aerial – Same as 1993 aerial.
2003 building list – Buildings 117 (Filling Station), and 118 (Filling Station Storage) are listed.
2006 map – Buildings 117 and 118, along with the UST pad are shown.
2008 building list – Same as 2003 list.
Current Google aerial – Current site configuration.

According to NASB records, the following underground storage tanks (USTs) were located at the Buildings 117 and 118 parcel:

- Tank No. 10045-441, a 10,000 gallon fiberglass reinforced plastic (FRP) UST containing unleaded gasoline (installed: Aug. 1983, removed: Sept. 1992);
- Tank No. 10045-442, a 6,000 gallon FRP UST containing diesel fuel (installed: Aug. 1983, removed: Sept. 1992);
- Tank No. 10045-472, a 4,000 gallon asphalt coated bare steel (BR ASPH ST) UST containing gasoline (installed: unknown, removed: Nov. 1989);
- Tank No. 10045-473, a 4,000 gallon BR ASPH ST UST containing gasoline (installed: unknown, removed: Nov. 1989);
- Tank No. 10045-475 a 4,000 gallon BR ASPH ST UST containing gasoline (installed: unknown, removed: Nov. 1989);
- Tank No. 10045-481 a 20,000 gallon dual wall steel (DW ST) UST containing unleaded gasoline (installed: Jan. 1990, removed: Active);
- Tank No. 10045-482 a 20,000 gallon DW ST UST containing unleaded gasoline (installed: Jan. 1990, removed: Active);
- Tank No. 10045-491 a 10,000 gallon DW ST UST containing diesel fuel (installed: Sept. 1992, removed: Active).

No above ground storage tanks (ASTs), or oil-water separators (OWS) were registered to Building 118.

According to the Maine Department of Environmental protection (MEDEP) records, the following spills/releases occurred on/adjacent to the Buildings 117 and 118 parcel:

- Spill ID P-577-1992 reported September 9, 1992; No. 2 fuel oil release from an old UST (UTM North 4861212.47, UTM East 425546.41), at the ONFF, of reported “24 gallons”, which was reported to have been remedied by “land farming onsite”. The UTM coordinates provided are of a position located on the UST concrete pad at the Buildings 117 & 118 parcel. This “release”

PHOTOGRAPHS



No. 1 Buildings 117 and 118 Parcel – NAS Brunswick July 29, 2010
Filling Station and Filling Station Storage building (background) north elevation



No. 2 Buildings 117 and 118 Parcel – NAS Brunswick July 29, 2010
Northwest view of filling station UST location (within guardrail); Buildings 117 and 118 in background



No. 3 Buildings 117 and 118 Parcel – NAS Brunswick
Filling Station Building interior; UST monitoring equipment

July 29, 2010



No. 4 Buildings 117 and 118 Parcel – NAS Brunswick
Filling Station Storage Building interior; former UST monitoring equipment

July 29, 2010