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NAS BRUNSWICK
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FINAL RESOURCE CONSERVATION AND RECOVERY ACT PARTIAL CLOSURE REPORT
FOR BUILDING 751 SCHOOL AGE CHILD CARE CENTER PARCEL NAS BRUNSWICK ME
3/1/2010
TETRA TECH NUS

RCRA PARTIAL CLOSURE REPORT
for
BUILDING 751 – SCHOOL AGE CHILD CARE CENTER PARCEL
NAVAL AIR STATION BRUNSWICK, MAINE
USEPA IDENTIFICATION NUMBER ME8170022018
MARCH 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 the Building 751 parcel, at Naval Air Station Brunswick (NAS Brunswick).

2. PROPERTY DESCRIPTION

The Building 751 parcel is located in the northeastern portion of NAS Brunswick (see Figure 1). Situated in a Navy housing area, the approximately 1.6-acre parcel (see Figure 2) bordered to the east and south by Neptune Drive; to the north by Starflower Lane Avenue; and to the west by Navy housing. The parcel contains Building 751, known as the School Age Child Care Center, adjacent grass-covered area and an asphalt-paved parking lot located in the southern portion. Surface topography of the Building 751 parcel is relatively flat.

Building 751, constructed in 2003, was used as a childcare facility. It consists of a 2,500-square foot, one-story, wood frame building with vinyl siding on a concrete slab foundation. The building contains office space, restrooms, kitchen area, activity area, and a computer room. A floor plan (see Figure 3) is attached. The mechanical room is accessed from the exterior. Building 751 features a natural-gas heating system. Photographs of the facility are provided as an attachment to this report.

3. PROPERTY HISTORY AND RECORDS RESEARCH

The Tetra Tech NUS, Inc. (TtNUS) 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 Building 751 parcel, including past use and operations at this location.

According to NAS Brunswick Environmental Department personnel, from its construction in 2003, Building 751 was used as a childcare center. There is no record of hazardous waste operations at Building 751.

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 1958, 1978, 1984, and 1989 (all produced by James W. Sewall Company) were reviewed along with Public Works Department site base maps dated 1946, 1952, 1956, 1962, 1983, 1989, and 2006 to provide historical information.

The current location of Building 751 was a wooded area until sometime after 1993 according to review of available historical maps and aerial photographs. Building 751 and surrounding base housing are present in the 2006 historical base map.

A pad-mounted electrical transformer is located in the northwest corner of the Building 751 parcel. According to the NAS Brunswick transformer database, this unit is a non-polychlorinated-biphenyl (non-PCB)-containing transformer.

No underground storage tanks (USTs) or above ground storage tanks (ASTs) were present at Building 751, according to NAS Brunswick records.

No groundwater investigations have been conducted in the vicinity of the Building 751 parcel; therefore groundwater characterization information for the parcel is not available. Available information for known groundwater contamination areas at NAS Brunswick was reviewed to determine if groundwater underlying the Building 751 parcel could potentially be impacted by another (off-parcel) source area.

4. SITE VISIT AND INVESTIGATION

A Building 751 parcel site visit was conducted by Mr. Brandon Smith, P.E. and Mr. James Forrelli, P.E. of TtNUS on February 2, 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 closure report. TtNUS personnel were accompanied by Mr. D. Bruce Smith, the NAS Brunswick Hazardous Waste Manager. The Building 751 parcel location was visually inspected for signs of hazardous waste generation or storage activity. Site visit observations, recorded on the attached Building Inspection Form⁽¹⁾, are summarized below:

- At the time of inspection, Building 751 was vacant and in very good condition.
- No evidence of current or past hazardous waste generation activities was observed.
- No evidence of hazardous waste residues was observed.
- No signs of a past release (staining, unusual odors, etc.) were observed and no structural modifications, which could conceal signs of a past release, were observed.
- No hazardous waste storage areas or hazardous waste accumulation areas were observed.

The available information regarding the historical activities that occurred at the parcel and the location of known NAS Brunswick groundwater contamination areas indicates that there is no evidence to suggest that groundwater underlying the Building 751 parcel has been adversely impacted by a release, either from within the parcel or from another (off-parcel) source area.

Based on the records research findings and site visit observations, it was determined that neither further inspection nor sampling of Building 751 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, no hazardous waste generation activity or hazardous waste accumulation or storage activity was conducted at the Building 751 parcel.

6. OTHER ENVIRONMENTAL CONSIDERATIONS

No USTs or ASTs were observed at the Building 751 parcel.

7. LIMITATIONS

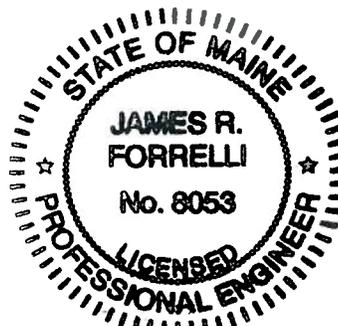
This investigation of the hazardous waste closure requirement applies to the Building 751 parcel (as shown on Figure 2) only.

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 Building 751 parcel, NAS Brunswick, Maine. Therefore, the hazardous waste closure of the Building 751 parcel was completed in accordance with the provisions of MEDEP Regulations Chapter 851, Standards for Generators of Hazardous Waste, Section 11.



James Forreli, 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

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

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

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

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

Master/Historical Underground Storage Tank Inventory. NAS Brunswick, Maine. 02/05/96.

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

Public Works Department, 1946. "Map of US Naval Air Station, Brunswick, Maine, Showing conditions on June 30, 1946," NAS Brunswick, Maine. June 30, 1946.

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

Public Works Department, 1956. General Station Map, Enclosure 2., NAS Brunswick, Maine. 1956.

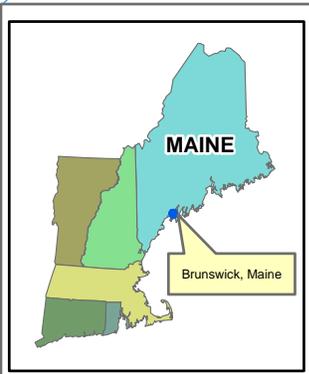
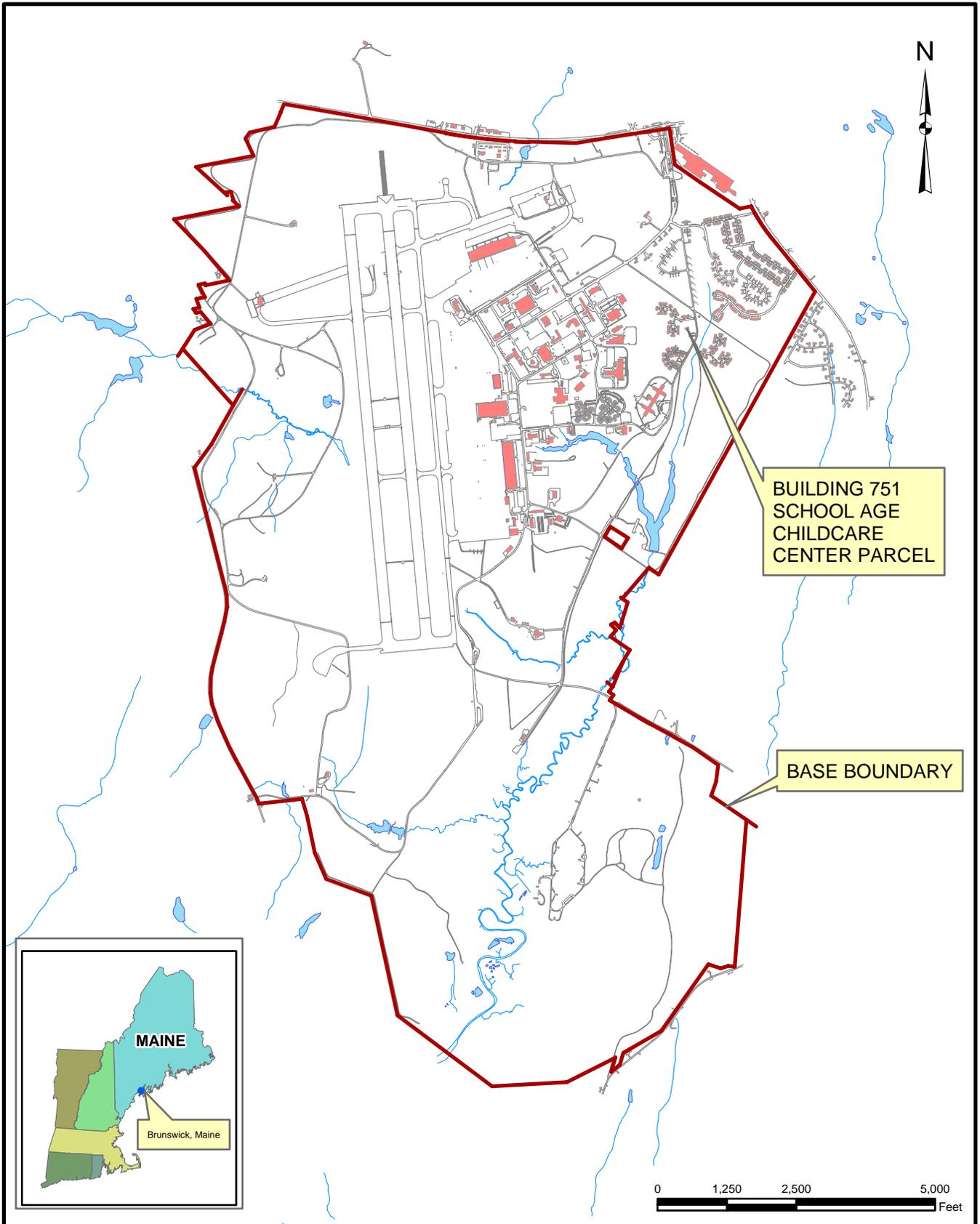
Public Works Department, 1962. "Map of Streets," US Naval Air Station, Brunswick, Maine, NAS Brunswick, Maine. 1962.

Public Works Department, 1983. "Existing Conditions Map. Public Works Department Drawing No. 2157" NAS Brunswick, Maine. May 5, 1983.

Public Works Department, 1989. "Existing Conditions Map. Public Works Department Drawing No. 2157" NAS Brunswick, Maine. Revised April 2, 1989.

Public Works Department, 2006. Brunswick Naval Air Station, NAS Brunswick, Maine. 2006.

Public Works Department. 2010. Transformer Database. NAS Brunswick, Maine. 2010.



Tetra Tech NUS, Inc.

SITE LOCATION MAP
 BUILDING 751 - SCHOOL AGE CHILDCARE CENTER PARCEL
 RCRA PARTIAL CLOSURE REPORT
 NAS BRUNSWICK, MAINE

SCALE AS NOTED	
FILE I:\NASB_BLDG_554_LOCUS.MXD	
REV 0	DATE 03/05/10
FIGURE NUMBER 1	



 PARCEL BOUNDARY

GRAPHIC SCALE
0' 80'

Building Corner	Northing	Easting
Northeast	387883.384	3018230.287
Southeast	387852.906	3018245.490
Southwest	387823.680	3018187.293
Northwest	387860.461	3018171.572

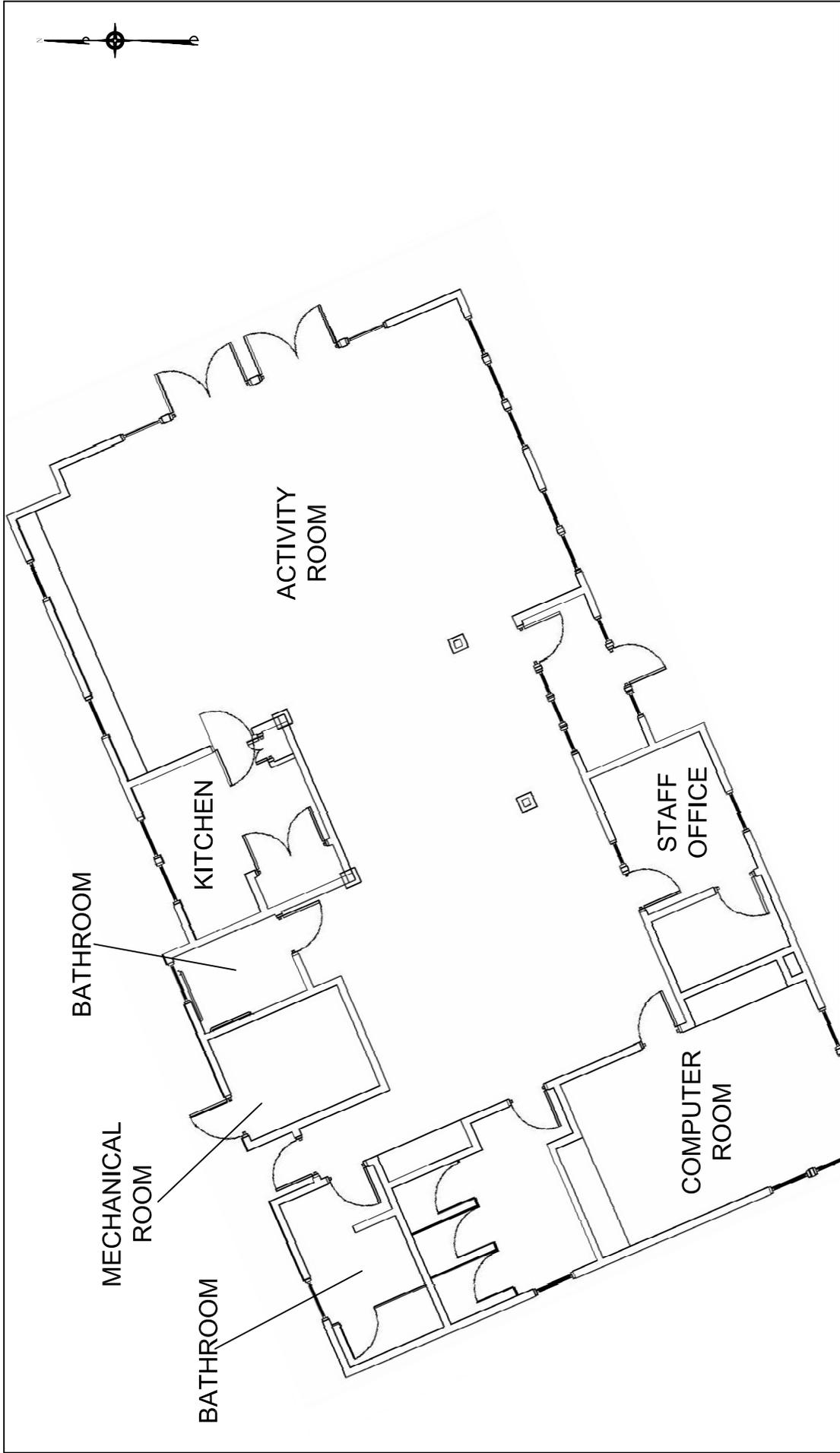
Coordinates are in NAD 1983, Maine West, Feet



TETRA TECH NUS, INC.

SITE LOCATION MAP
BUILDING 751 – SCHOOL AGE CHILDCARE CENTER PARCEL
 RCRA PARTIAL CLOSURE REPORT
 NAVAL AIR STATION BRUNSWICK, MAINE

SCALE	AS NOTED
FILE	\\NASB_BLDG_751_ORTHO.DWG
REV	0
DATE	03/05/10
FIGURE NUMBER	FIGURE NO. 2



FLOOR PLAN
BUILDING 751 - SCHOOL AGE CHILDCARE CENTER
RCRA PARTIAL CLOSURE REPORT
NAVAL AIR STATION BRUNSWICK, MAINE



SCALE AS NOTED	
FILE	\\NASB_BLDG_751_FP.DWG.DWG
REV	0
DATE	02/16/10
FIGURE NUMBER	3

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

Inspection Date: 2/2/2010

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

Weather: Clear, 20s

GENERAL BUILDING INFORMATION / USES

Building Name: School Age Child Care Center
Function: School age child care
Size: 2,500 SF
Year of Construction: 2003

Building 751 is located south of the intersection of Neptune Drive and Starflower Lane at NAS Brunswick. It was constructed in 2003 and consists of a single story, wood frame building with vinyl siding on a concrete slab foundation.

Building 751 was used as a school age child care center for it's entire history. The interior is contains office space, restrooms, a kitchen area, activity area, and computer room.

No hazardous waste was generated during the operations in Building 751, according to NASB personnel.

Building 751 is heated by a natural gas-fired furnace.

BUILDING INSPECTION / CONDITION

No record of hazardous waste stored at Building 751.

At the time of the site visit, the building was vacant and in very good condition. No evidence of current or past hazardous waste generation activities was observed. No evidence of hazardous waste residues was observed. No signs of a past release (staining, unusual odors, stressed vegetation, etc.) were observed. No modifications to the structure, which may conceal signs of a past release, were observed. No hazardous waste storage areas or hazardous waste accumulation areas were observed. No transformers that could be a potential source of polychlorinated biphenyls (PCBs) contamination in the event of a leak were observed.

HAZARDOUS WASTE STORED / GENERATED

No hazardous waste was stored or generated at Building 751, according to NASB personnel.

POTENTIAL PCB-CONTAINING TRANSFORMERS

No transformers were located in the immediate vicinity of Building 751.

APPLICABLE REPORTS / DOCUMENTS

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

1946 plan - No buildings are shown.

1952 plan - Same as 1946 plan

1956 plan - Same as 1952 plan

1958 aerial - Shown as wooded area

1962 plan - No buildings present, Neptune Dr and Board Rd and railroad track present.

1978 aerial - Neptune Dr and Board Rd present with trailers north of the intersection, area still wooded.

1983 plan - same as 1962 plan

1984 aerial - Same as 1978 aerial.

1989 plan - same as 1983 plan.

1989 aerial - same as 1984 aerial.

1993 aerial - same as 1989 aerial.

2006 plan - Building 751 and surrounding base housing in current location.

No ASTs or USTs were present at Building 751 according to NASB records.

HAZARDOUS WASTE STORAGE RECORDS

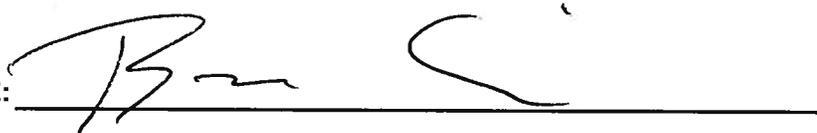
No hazardous waste was historically stored at Building 751, according to NAS Brunswick Hazardous Waste Manager, D. Bruce Smith.

MISCELLANEOUS NOTES

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

(SEE ATTACHED PHOTOGRAPHS)

INSPECTOR SIGNATURE:



Brandon Smith, P.E.

PHOTOGRAPHS



No. 1 Building 751 – NAS Brunswick
Building 751 – School age child care center exterior.

February 2, 2010



No. 2 Building 751 – NAS Brunswick
Building 751 – School age child care center interior.

February 2, 2010