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NAS BRUNSWICK  
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FINAL RESOURCE CONSERVATION AND RECOVERY ACT PARTIAL CLOSURE REPORT  
FOR BUILDINGS 405, 406 AND 407 WITH TRANSMITTAL LETTER NAS BRUNSWICK ME  
10/1/2010  
NAS BRUNSWICK

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

October 1, 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 405, 406, and 407

Dear Mr. Vigneault:

A copy of the Final RCRA Partial Closure Report for Buildings 405, 406, and 407 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](mailto:michael.fagan1@navy.mil).

Sincerely,



*FOR* LISA M. JOY  
Environmental Director

Enclosure: (1) Final RCRA Partial Closure Report for Buildings 405, 406, and 407

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 405 – STORAGE SHED**  
**BUILDING 406 – STORAGE SHED**  
**BUILDING 407 – STORAGE TRAILER**  
**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 405, 406, and 407, at Naval Air Station Brunswick (NAS Brunswick).

## 2. PROPERTY DESCRIPTION

Buildings 405 and 406 (storage sheds) and Building 407 (storage trailer) are located in the eastern-central portion of NAS Brunswick on the Building 584 (Public Works Building) parcel (Figures 1 and 2). The buildings are located along the south side of the Public Works asphalt-paved parking lot, south of Building 584. Grounds maintenance equipment (small tractors and mowers) are currently stored in the area where the buildings are located.

The investigation conducted under this report applies only to the building footprints of Buildings 405, 406, and 407 (as shown on Figure 2). The "Building 584 Parcel RCRA Partial Closure Report" addresses the land surrounding and the groundwater underlying Buildings 405, 406, and 407.

The general location and a physical description of each of the three buildings, along with three structures positioned nearby, are summarized below. Photographs of the buildings and structures are provided as an attachment to this report.

### Building 405 – Storage Shed

Building 405 is located in the southeast portion of the Public Works paved parking lot and is bordered immediately to the east by Building 407 (described below) and to the west by three storage sheds, Structures SS, R4 and Q4 (from east to west, also described below) and by Building 406, immediately west of Structure Q4 (Figure 2). Building 405 was used as storage space, most recently for landscaping tools and grounds maintenance equipment. The building installation date is unknown, although NAS Brunswick records indicate that Building 405 was formerly located on the Building 225/252 (Transportation Building) parcel.

The one-room building consists of a 160-square-foot, one-story, wood-framed structure with wooden siding, and is supported on concrete blocks. Building 405 is not heated.

A flammables storage cabinet is situated immediately north of Building 405; small quantities of gasoline containerized in safety cans are stored in the cabinet, for use by the grounds maintenance operations.

Structure SS is a former shipping container converted for use as storage space. Structure SS is located west of Building 405 and is also positioned on the southern portion of the parking lot. This 90-square-foot, steel structure was used as the storage shed for tools and materials for the NAS Brunswick locksmith, according to NAS Brunswick records. Its service timeframe is not known.

### Building 406 – Storage Shed

Building 406 is positioned west of Building 405 (discussed above), and is also on the southern portion of the Public Works parking lot (Figure 2). This building appears to be a former line shack. Line shacks are portable buildings typically used as office, shelter, and storage space for the airfield ground crews. The building construction date is unknown.

The one-room building consists of a 120-square-foot, one-story, wood-framed structure with wooden siding, and is supported on blocks of wood. The structure appears to have been originally constructed for office use. Building 406 is not heated.

Two identically-sized (8-foot by 10-foot), pre-cast concrete sheds, Structures Q4 and R4, are located on the parking lot east of Building 406. Structure Q4, positioned immediately east of Building 406, is an 80-square-foot, unheated structure that was used for the storage of tools and parts, according to NAS Brunswick personnel. Structure R4 is positioned immediately east of Structure Q4. This unheated, concrete structure, also 80 square feet in area, was used for the storage of flammable and non-flammable gas cylinders, according to NAS Brunswick records. The service timeframe is not known for either structure.

### Building 407 – Storage Trailer

Building 407 is positioned in the southeast corner of the Public Works parking lot, immediately east of Building 405, discussed above (Figure 2). The building installation date is unknown, although NAS Brunswick records indicate that Building 407 was formerly located on the Building 225/252 (Transportation Building) parcel.

Building 407 is comprised of the detachable semi-trailer (cargo space) portion of a semi-trailer truck that has been detached from the tractor unit, and converted for use as storage space. The one-room, metal, semi-trailer has an area of 224 square feet and is supported on wood blocks. Building 407 is unheated.

## **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 405, 406, 407, and the nearby structures Q4, R4, and SS, 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, facility 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. Public Works Department (PWD) site base maps dated 1943, 1946, 1952, 1956, 1975, 1989, and 2006 (PWD 1943, 1946, 1952, 1956, 1975, 1989, and 2006) and site building lists for 1965, 1976, 2003, and 2008 were also reviewed.

According to NAS Brunswick Environmental Department personnel, Buildings 405, 406, and 407 were used as storage space since their initial installation. There is no record of hazardous waste generation or accumulation at Building 405, Building 406, or Building 407.

The 1946 map show the current location of Buildings 405, 406, and 407 as vacant land within the former Runway No. 34 cleared approach area. Beginning with the 1958 aerial photograph, the land is disturbed in the approximate area where the three buildings are currently located, possibly due to use as a support area for the construction of the concrete airfield and associated apron. In the 1981 aerial, piles of undetermined materials are located in the vicinity of the buildings; these piles are not present in the 1993 aerial. Buildings 405, 406, and 407 are not present on the 2006 base map.

The NAS Brunswick Transformer Database lists no electrical transformers for Buildings 405, 406, and 407 (PWD, 2009).

The NAS Brunswick Master/Historical Aboveground and Underground Storage Tank Inventory lists no aboveground storage tanks (ASTs) or underground storage tanks (USTs) for Buildings 405, 406, and 407 (Environmental Department, 2009).

No oil/water separators are listed for Buildings 405, 406, and 407 on the NAS Brunswick Revised Oil/Water Separator List (PWD, 2008b).

#### **4. SITE VISIT AND INVESTIGATION**

Site visits were conducted by Mr. Brian Geringer and Mr. Mark K. Speer, P.E. of Tetra Tech on July 29, and September 1, 2010. The visits included the areas of Buildings 405, 406, and 407, and of Structures Q4, R4, and SS. The purpose of the site visits was to verify information gathered during the records search and to collect 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 three buildings and the three structures listed above were visually inspected for signs of hazardous waste generation or storage. Site visit observations, recorded on the attached Building Inspection Forms<sup>(1)</sup>, are summarized below:

##### Building 405 and Structure SS

- At the time of the July 29, 2010 site visit, Building 405 was unoccupied and in poor condition.
- At the time of the site visit, Structure SS contained tools, equipment, and supplies for the NAS Brunswick locksmith, and was in fair condition.
- No evidence of current or past hazardous waste generation was observed.
- No evidence of hazardous waste residues was observed.
- 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.
- No electrical transformers that could be a potential source of polychlorinated biphenyls (PCB) contamination were observed.
- No ASTs, USTs, or oil/water separators associated with Building 405 and/or Structure SS were observed.

##### Building 406 and Structures Q4 and R4

- At the time of the July 29, 2010 site visit, Building 406 was unoccupied and in fair condition.
- At the time of the July 29, 2010 site visit, Structure Q4 was empty and in poor condition (one of the doors was off its hinges); access could not be gained to Structure R4.
- At the time of the September 1, 2010 site visit, Structure R4 contained flammable and non-flammable gas cylinders, and was in good condition.
- No evidence of current or past hazardous waste generation was observed.
- No evidence of hazardous waste residues was observed.
- 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.
- No transformers that could be a potential source of PCB contamination were observed.
- No ASTs, USTs, or oil/water separators associated with Building 406 or Structures Q4 or R4 were observed.

Building 407

- At the time of the July 29, 2010 site visit, Building 407 was unoccupied and in fair condition.
- No evidence of current or past hazardous waste generation was observed.
- No evidence of hazardous waste residues was observed.
- 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.
- No transformers that could be a potential source of PCB contamination were observed.
- No ASTs, USTs, or oil/water separators associated with Building 407 were observed.

Based on the records research findings and site visit observations, it was determined that neither further inspection nor sampling of Buildings 405, 406, or 407, nor of Structures Q4, R4, or SS is required to complete the MEDEP hazardous waste closure requirements.

**5. HAZARDOUS WASTE GENERATION AND STORAGE**

Based on the records research, site visit observations, and NAS Brunswick Environmental Department personnel interviews, with the exception of universal waste, no hazardous waste generation, hazardous waste accumulation, or hazardous waste storage was conducted at Buildings 405, 406, and 407, or at the nearby structures (Structures Q4, R4, and SS).

**6. OTHER ENVIRONMENTAL CONSIDERATIONS**

No USTs or ASTs were observed in the immediate vicinity of Buildings 405, 406, and 407, or in the vicinity of the associated Structures Q4, R4, and SS.

**7. LIMITATIONS**

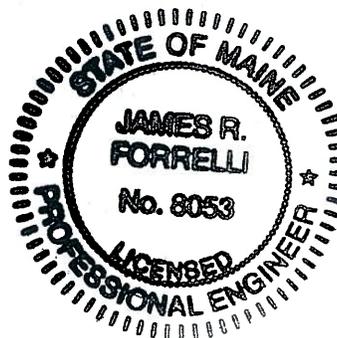
This investigation of the hazardous waste closure requirement applies only to the building footprints of Buildings 405, 406, and 407 (building footprints as shown on Figure 2). It does not apply to the land surrounding or the groundwater underlying Buildings 405, 406, and 407. The surrounding land and underlying groundwater are addressed in the "Building 584 Parcel RCRA Partial Closure Report".

**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 405, 406, and 407 at NAS Brunswick, Maine. Therefore, the hazardous waste closure of Buildings 405, 406, and 407 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.



<sup>(1)</sup> 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 reflect any additional information provided at a later date that further clarifies or corrects preliminary information collected during the building inspection and file reviews.

**REFERENCES**

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

PWD (Public Works Department), 1943. "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, 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, 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.

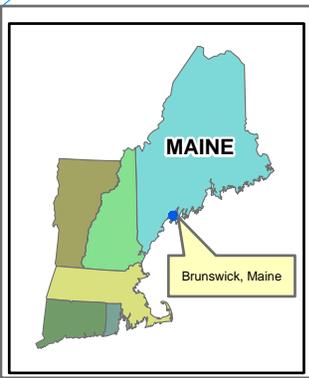
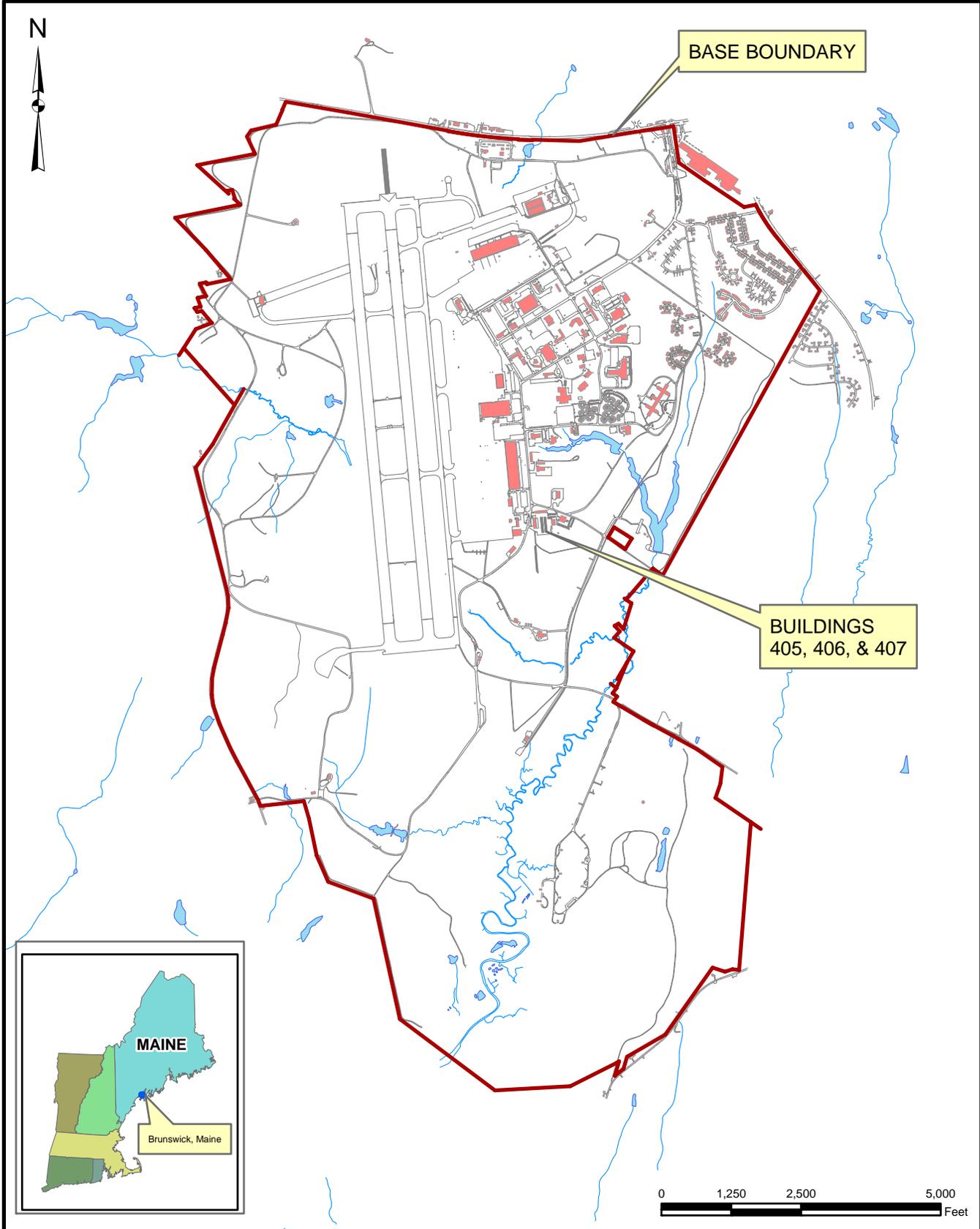
Sewall, 1981. NAS Brunswick Aerial Photographs. James W. Sewall Company, Old Town, ME. October 17.

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.

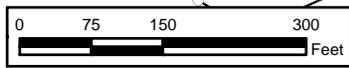
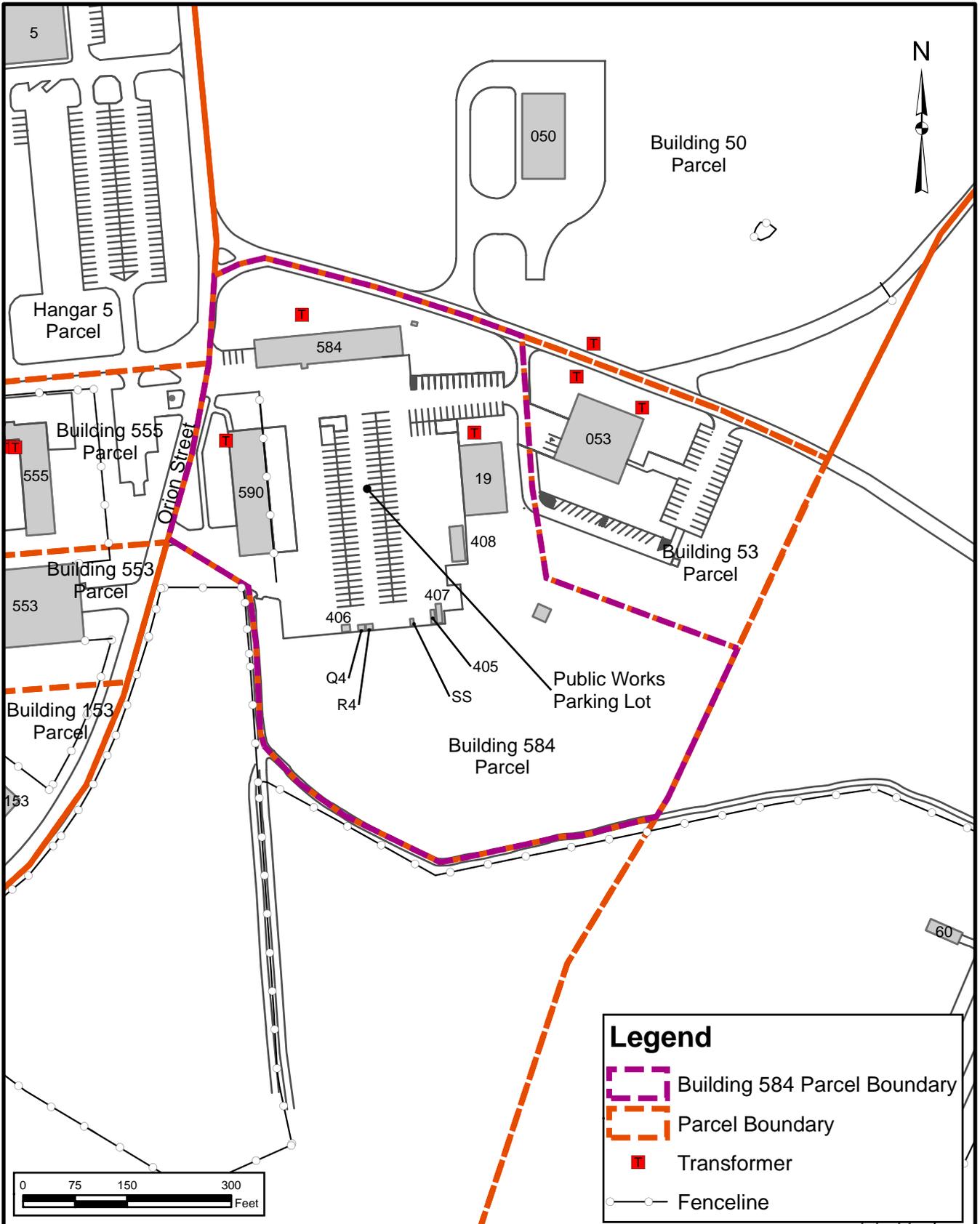


Tetra Tech NUS, Inc.

SITE LOCATION MAP  
 BUILDINGS 405, 406 AND 407  
 RCRA PARTIAL CLOSURE REPORT  
 NAVAL AIR STATION BRUNSWICK, MAINE

SCALE AS NOTED	
FILE I:\_NASB_BLDG_405,406&407_LOCUS.MXD	
REV 0	DATE 09/28/10
FIGURE NUMBER 1	

I:\02258\CP.DR\WASB\_BLDG\_405,406&407\_SITE\_MAP.MXD DWM 09/29/10



**Legend**

- Building 584 Parcel Boundary
- Parcel Boundary
- Transformer
- Fenceline



**SITE PLAN**  
 BUILDINGS 405, 406 AND 407  
 RCRA PARTIAL CLOSURE REPORT  
 NAS BRUNSWICK, MAINE

SCALE AS NOTED	
FILE	
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REV	DATE
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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: Public Works (PW) Bld 405

Function: Storage from/for Building 225 (Auto Equip Repair Shop)

Size: 160 SF

Year of Construction: Unknown

Building 405 is located on the southeast corner of the PW asphalt parking lot; which is adjoined on the west by Building 590 (Public Works Bld 590, Transportation), on the north by Building 584 (Public Works Bld 584), and on the east by Building 19 (Seabee Compound); and immediately west of Building 407 (Public Works Bld 407); and east of Structures SS, R4, and Q4, and Building 406 (Public Works Bld 406). Construction date of Building 405 is unknown, and has served as storage space for its entire history; and most recently as landscaping equipment storage.

Building 405 is a single story, wood framed structure mounted on concrete blocks, asphalt shingled roof, and wood framing and walls. Building 405 consists of one room with shelving, no hazardous materials were used in its operation and no hazardous waste was generated, according to NAS Brunswick personnel. Building 405 is unheated.

A shipping container, Structure SS, is positioned on the PW asphalt parking lot immediately west of Building 405. This 90-square-foot, unheated metal structure was used for the locksmith's tool and material storage; according to NAS Brunswick records. No hazardous materials were used in its operation and no hazardous waste was generated, according to NAS Brunswick personnel. Its service timeframe is not known.

**HWSA INSPECTION / CONDITION**

At the time of inspection, Building 405 was vacant and in poor 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; although minor staining due to landscaper equipment storage was 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 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 – Vacant land.

1946 map – Current PW Parking Lot area appears to be located within the former "Cleared Approach" for Runway No. 34 and the intersection of Gurnet and Range Roads.

1950 building list – Buildings 405, 406, 407, 584 and 590, and Structures SS, Q4 and R4 are not listed; Building 19 is listed as "Barracks", but is probably located at another NAS Brunswick location, and no the current Building 19 footprint.

**APPLICABLE REPORTS / DOCUMENTS cont'd**

1952 map – Same as 1946 map.  
1953 aerial – Undetermined; the aerial lacks sufficient clarity to make a determination if buildings and/or structures are located on or adjacent to the PW Parking Lot.  
1956 map – Five small structures are located on the northern side of the current PW Parking Lot, south of Gurnet Road; Buildings 59, 71, 93, T-204, and an undetermined building (number unreadable on map).  
1957 map – Buildings 93 and 584 present, both located on the northern side of the current PW Parking Lot.  
1958 aerial – Five buildings present in same approximate location as presented on the 1956 map of the site; assumed to be Buildings 59, 71, 93, T-204, and the undetermined building.  
1965 building list – Buildings 93 (storage) and 584 (Disposal Building) are listed; as are Buildings 59 (Storage), 71 (Storage, Special Services), and T-204 (Storage), although these numbers appear to have been reused. Buildings 19, 405, 406, 407, and 590, and Structures SS, Q4 and R4 are not listed;  
1975 map – Buildings 93 and 584 are present; although the current footprint of Buildings 405, 406, and 407 is not shown on the map.  
1976 building list – Same as 1965 list; except Building 93 has been renamed Storehouse.  
1978 aerial – Building assumed to be 584 is located on the northern side of the current PW Parking Lot, in the same foot print as current; Building 93 is located northeast of the parking lot. The southern side of the future parking lot appears to have been used for the storage of equipment, which cannot be identified due to lack of aerial clarity.  
1981 aerial – Same as 1978 aerial; with current parking lot area gated and used for the storage of vehicles and associated materials and undetermined structures.  
1984 aerial – Same as 1981 aerial, with piles of undetermined materials located at current footprints of Buildings 405, 406, and 407.  
1989 map – Buildings assumed to be 93 and 584 are present; with only one label of “534” present and assumed to be a typo for 584.  
1989 aerial – Three buildings present adjoin the parking lot, and assumed to be the following based on locations: 19, 93 and 584; undetermined piles of material remain on the southern side of the parking lot.  
1993 aerial – Same as 1989 aerial, except piles of undetermined materials are not present.  
1997 aerial – Same as 1989 aerial.  
2003 building list – Buildings 19 (PW Shops), and 584 (General Warehouse) are listed; Building 93 is not listed and assumed to have been razed. Buildings 405, 406, and 407, and Structures SS, Q4 and R4 are not listed.  
2006 map – Buildings 19, 584, and 590 are present. Buildings 405, 406, and 407, and Structures SS, Q4 and R4 are not present.  
2008 building list – Same as 2003 list.  
Current Google aerial – Buildings 405 and 407 are not present; but Building 406, and Structures SS, Q4, and R4 are present.

No underground storage tanks (USTs), above ground storage tanks (ASTs), or oil-water separators (OWS) were registered to Building 497 and/or Structure A10.

**HAZARDOUS WASTE STORAGE RECORDS**

No hazardous waste was historically stored at Building 405 or Structure SS 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.

INSPECTOR SIGNATURE:  \_\_\_\_\_

**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: Public Works (PW) Bld 406

Function: Undetermined

Size: 120 SF

Year of Construction: Unknown

Building 406 is located in the center, on the south side, of the PW asphalt parking lot; which is adjoined on the west by Building 590 (Public Works Bld 590, Transportation), on the north by Building 584 (Public Works Bld 584), and on the east by Building 19 (Seabee Compound); and immediately west of Buildings 407 (Public Works Bld 407), and 405 (Public Works Bld 405); and Structures SS, R4, and Q4.

Construction date of Building 406 is unknown, and no determination of the structures use was readily available from Navy personnel.

Building 406 is a single story, wood framed structure mounted on wood blocks, asphalt shingled roof, and wood framing and walls. Building 406 consists of one room, no hazardous materials were used in its operation and no hazardous waste was generated, according to NAS Brunswick personnel. Building 407 is unheated.

Two pre-cast concrete structures are located immediately east of Building 406, Structures R4 and Q4 (east to west). Structure Q4, is positioned on the PW asphalt parking lot immediately east of Building 406. This 80-square-foot, unheated concrete structure was used for tool and part storage; according to NAS Brunswick personnel. Minor staining of the concrete floor was observed, which is believed due to the storage of parts and tools in the structure. No hazardous materials were used in its operation and no hazardous waste was generated, according to NAS Brunswick personnel. Its service timeframe is not known.

Structure R4 is located immediately east of Structure Q4 and was visited twice, once on July 29<sup>th</sup>, but Tetra Tech was unable to visually inspect the structure's interior; Tetra Tech returned on September 1<sup>st</sup> and inspected the structure's interior. Structure R4 has been partitioned into 2 separate rooms for the storage of gas cylinders. Welding gas cylinders, including acetylene and oxygen, are located on the east side of the structure; while air conditioning and other non-flammable gasses (i.e., CO<sub>2</sub>) are stored on the west side of Structure R4. No hazardous materials were used in its operation and no hazardous waste was generated, according to NAS Brunswick personnel. Its service timeframe is not known.

**HWSA INSPECTION / CONDITION**

At the time of inspection, Building 406 and Structure Q4 were vacant and in fair to poor condition.

Structure R4 was still be utilized for the storage of flammable and non-flammable gasses.

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; although minor staining due to historical tool and part storage in Structure Q4 was observed. No modifications to the structures, 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 – Vacant land.

1946 map – Current PW Parking Lot area appears to be located within the former “Cleared Approach” for Runway No. 34 and the intersection of Gurnet and Range Roads.

1950 building list – Buildings 405, 406, 407, 584 and 590, and Structures SS, Q4 and R4 are not listed; Building 19 is listed as “Barracks”, but is probably located at another NAS Brunswick location, and no the current Building 19 footprint.

1952 map – Same as 1946 map.

1953 aerial – Undetermined; the aerial lacks sufficient clarity to make a determination if buildings and/or structures are located on or adjacent to the PW Parking Lot.

1956 map – Five small structures are located on the northern side of the current PW Parking Lot, south of Gurnet Road; Buildings 59, 71, 93, T-204, and an undetermined building (number unreadable on map).

1957 map – Buildings 93 and 584 present, both located on the northern side of the current PW Parking Lot.

1958 aerial – Five buildings present in same approximate location as presented on the 1956 map of the site; assumed to be Buildings 59, 71, 93, T-204, and the undetermined building.

1965 building list – Buildings 93 (storage) and 584 (Disposal Building) are listed; as are Buildings 59 (Storage), 71 (Storage, Special Services), and T-204 (Storage), although these numbers appear to have been reused. Buildings 19, 405, 406, 407, and 590, and Structures SS, Q4 and R4 are not listed;

1975 map – Buildings 93 and 584 are present; although the current footprint of Buildings 405, 406, and 407 is not shown on the map.

1976 building list – Same as 1965 list; except Building 93 has been renamed Storehouse.

1978 aerial – Building assumed to be 584 is located on the northern side of the current PW Parking Lot, in the same foot print as current; Building 93 is located northeast of the parking lot. The southern side of the future parking lot appears to have been used for the storage of equipment, which cannot be identified due to lack of aerial clarity.

1981 aerial – Same as 1978 aerial; with current parking lot area gated and used for the storage of vehicles and associated materials and undetermined structures.

1984 aerial – Same as 1981 aerial, with piles of undetermined materials located at current footprints of Buildings 405, 406, and 407.

1989 map – Buildings assumed to be 93 and 584 are present; with only one label of “534” present and assumed to be a typo for 584.

1989 aerial – Three buildings present adjoin the parking lot, and assumed to be the following based on locations: 19, 93 and 584; undetermined piles of material remain on the southern side of the parking lot.

1993 aerial – Same as 1989 aerial, except piles of undetermined materials are not present.

1997 aerial – Same as 1989 aerial.

2003 building list – Buildings 19 (PW Shops), and 584 (General Warehouse) are listed; Building 93 is not listed and assumed to have been razed. Buildings 405, 406, and 407, and Structures SS, Q4 and R4 are not listed.

2006 map – Buildings 19, 584, and 590 are present. Buildings 405, 406, and 407, and Structures SS, Q4 and R4 are not present.

2008 building list – Same as 2003 list.

Current Google aerial – Buildings 405 and 407 are not present; but Building 406, and Structures SS, Q4, and R4 are present.

No underground storage tanks (USTs), above ground storage tanks (ASTs), or oil-water separators (OWS) were registered to Building 406, and/or Structures Q4 and/or R4.

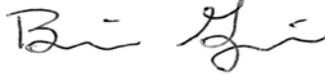
**HAZARDOUS WASTE STORAGE RECORDS**

No hazardous waste was historically stored at Building 406 or Structures Q4 or R4 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.

**INSPECTOR SIGNATURE:** \_\_\_\_\_



**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: Public Works (PW) Bld 407

Function: Storage

Size: 224 SF

Year of Construction: Unknown

Building 407 is located on the southeast corner of the PW asphalt parking lot; which is adjoined on the west by Building 590 (Public Works Bld 590, Transportation), on the north by Building 584 (Public Works Bld 584), and on the east by Building 19 (Seabee Compound); and immediately east of Building 405 (Public Works Storage); and east of Structures SS, R4, and Q4, and Building 406 (Public Works Storage). Construction date of Building 407 is unknown, and has served as storage space for its entire history.

Building 407 is a single story, metal framed structure mounted on wood blocks, with metal roof and outside sheathing, and interior wood walls and floor. Building 407 consists of one room, no hazardous materials were used in its operation and no hazardous waste was generated, according to NAS Brunswick personnel. Building 407 is unheated.

**HWSA INSPECTION / CONDITION**

At the time of inspection, Building 407 was vacant and in fair 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. 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 – Vacant land.

1946 map – Current PW Parking Lot area appears to be located within the former “Cleared Approach” for Runway No. 34 and the intersection of Gurnet and Range Roads.

1950 building list – Buildings 405, 406, 407, 584 and 590, and Structures SS, Q4 and R4 are not listed; Building 19 is listed as “Barracks”, but is probably located at another NAS Brunswick location, and no the current Building 19 footprint.

1952 map – Same as 1946 map.

1953 aerial – Undetermined; the aerial lacks sufficient clarity to make a determination if buildings and/or structures are located on or adjacent to the PW Parking Lot.

1956 map – Five small structures are located on the northern side of the current PW Parking Lot, south of Gurnet Road; Buildings 59, 71, 93, T-204, and an undetermined building (number unreadable on map).

1957 map – Buildings 93 and 584 present, both located on the northern side of the current PW Parking Lot.

**APPLICABLE REPORTS / DOCUMENTS cont'd**

1958 aerial – Five buildings present in same approximate location as presented on the 1956 map of the site; assumed to be Buildings 59, 71, 93, T-204, and the undetermined building.  
1965 building list – Buildings 93 (storage) and 584 (Disposal Building) are listed; as are Buildings 59 (Storage), 71 (Storage, Special Services), and T-204 (Storage), although these numbers appear to have been reused. Buildings 19, 405, 406, 407, and 590, and Structures SS, Q4 and R4 are not listed;  
1975 map – Buildings 93 and 584 are present; although the current footprint of Buildings 405, 406, and 407 is not shown on the map.  
1976 building list – Same as 1965 list; except Building 93 has been renamed Storehouse.  
1978 aerial – Building assumed to be 584 is located on the northern side of the current PW Parking Lot, in the same foot print as current; Building 93 is located northeast of the parking lot. The southern side of the future parking lot appears to have been used for the storage of equipment, which cannot be identified due to lack of aerial clarity.  
1981 aerial – Same as 1978 aerial; with current parking lot area gated and used for the storage of vehicles and associated materials and undetermined structures.  
1984 aerial – Same as 1981 aerial, with piles of undetermined materials located at current footprints of Buildings 405, 406, and 407.  
1989 map – Buildings assumed to be 93 and 584 are present; with only one label of “534” present and assumed to be a typo for 584.  
1989 aerial – Three buildings present adjoin the parking lot, and assumed to be the following based on locations: 19, 93 and 584; undetermined piles of material remain on the southern side of the parking lot.  
1993 aerial – Same as 1989 aerial, except piles of undetermined materials are not present.  
1997 aerial – Same as 1989 aerial.  
2003 building list – Buildings 19 (PW Shops), and 584 (General Warehouse) are listed; Building 93 is not listed and assumed to have been razed. Buildings 405, 406, and 407, and Structures SS, Q4 and R4 are not listed.  
2006 map – Buildings 19, 584, and 590 are present. Buildings 405, 406, and 407, and Structures SS, Q4 and R4 are not present.  
2008 building list – Same as 2003 list.  
Current Google aerial – Buildings 405 and 407 are not present; but Building 406, and Structures SS, Q4, and R4 are present.

No underground storage tanks (USTs), above ground storage tanks (ASTs), or oil-water separators (OWS) were registered to Building 497 and/or Structure A10.

**HAZARDOUS WASTE STORAGE RECORDS**

No hazardous waste was historically stored at Building 407 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.

**INSPECTOR SIGNATURE:**  \_\_\_\_\_

**PHOTOGRAPHS**



No. 1 Buildings 405, 406 and 407 – NAS Brunswick July 29, 2010  
Northeast elevation: Building 407 and 405; Structures SS, R4, and Q4; and Building 406 (left to right)



No. 2 Buildings 405, 406, and 407 – NAS Brunswick July 29, 2010  
North elevation: Structures R4, and Q4; and Building 406 (left to right)



No. 3 Buildings 405, 406, and 407 – NAS Brunswick July 29, 2010  
Building 405 west elevation, with Building 407 in background



No. 4 Buildings 405, 406, and 407 – NAS Brunswick July 29, 2010  
Building 405 interior



No. 5 Buildings 405, 406, and 407 – NAS Brunswick July 29, 2010  
Building 406 northwest elevation



No. 6 Buildings 405, 406, and 407 – NAS Brunswick July 29, 2010  
Building 406 interior



No. 7 Buildings 405, 406, and 407 – NAS Brunswick July 29, 2010  
Building 407 ~~exterior~~interior northeast elevation



No. 8 Buildings 405, 406, and 407 – NAS Brunswick July 29, 2010  
Building 407 interior



No. 9 Buildings 405, 406 and 407 – NAS Brunswick July 29, 2010  
Structure Q4 interior



No. 10 Buildings 405, 406 and 407 – NAS Brunswick September 1, 2010  
Structure R4 interior; with welding gas cylinders left of the partition and miscellaneous gas cylinders to the right



No. 11 Buildings 405, 406 and 407 – NAS Brunswick  
Structure SS northwest elevation

July 29, 2010



No. 12 Buildings 405, 406 and 407 – NAS Brunswick July 29, 2010  
Structure SS interior (unit used to store miscellaneous locksmith supplies)