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NAS BRUNSWICK  
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FINAL RESOURCE CONSERVATION AND RECOVERY ACT PARTIAL CLOSURE REPORT  
FOR BUILDINGS 431, 432, 490 AND 497 WITH TRANSMITTAL LETTER NAS BRUNSWICK

ME  
8/24/2010  
NAS BRUNSWICK

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

August 24, 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 431, 432, 490, and 497

Dear Mr. Vigneault:

A copy of the Final RCRA Partial Closure Report for Buildings 431, 432, 490, and 497 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 431, 432, 490, and 497

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 431 – VR-62 LINE SHACK**  
**BUILDING 432 – VR-62 LINE SHACK**  
**BUILDING 490 – LOCKHEED SUPPORT LINE SHACK**  
**BUILDING 497 – LINE SHACK**  
**NAVAL AIR STATION BRUNSWICK, MAINE**  
**USEPA IDENTIFICATION NUMBER ME8170022018**  
**AUGUST 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 431, 432, 490, and 497, at Naval Air Station Brunswick (NAS Brunswick).

## 2. PROPERTY DESCRIPTION

Buildings 431, 432, 490, and 497 are located in the central airfield portion of NAS Brunswick, near the southwest corner of Hangar 4 (Figure 1) in the southwestern portion of the Hangar 4 parcel (Figure 2). The RCRA partial closure of the Hangar 4 parcel itself is covered by a separate report.

The general location and a physical description of each of the four buildings, 431, 432, 490, and 497, along with structures positioned nearby, are summarized below. Photographs of the buildings and structures are provided as an attachment to this report.

### Building 431 – VR-62 Line Shack

Building 431 is a line shack located on the southwestern section of the Hangar 4 concrete apron. Line shacks are portable buildings used as office, shelter, and storage space for airfield ground crews. These temporary buildings are positioned on the concrete apron areas, as needed, to support airfield operations.

Building 431 is bordered immediately to the north by Building 497, also a temporary line shack, Hangar 4 and the Hangar 4 southern satellite accumulation area (SAA) beyond; to the east by Buildings 432 and 490, both temporary line shacks, by a shed structure (Structure HH, described below); to the south and west by the Airfield Parking Apron Area (Figure 2). Building 431 was used as a line shack by aircraft ground crews. The building installation date is unknown.

The three-room building consists of a 590-square-foot, one-story, wood-framed structure with wood siding, and is supported on steel skids. Two rooms were used as office areas and the third as storage space. Building 431 features electric baseboard heaters.

A shed, Structure HH, is positioned on the concrete apron immediately east of Building 431. This 120-square-foot concrete structure was used as a designated smoking area shelter according to NAS Brunswick records. Its service timeframe is not known.

### Building 432 – VR-62 Line Shack

Building 432, also a line shack, is positioned immediately east of Building 431 (discussed above), which is also on the southwestern section of the Hangar 4 concrete apron (Figure 2). The building installation date is unknown.

The two-room building consists of a 480-square-foot, one-story, wood-framed structure with wood siding, and is supported on steel skids. One room was used as an office area and the other as storage space. Building 432 was heated by electric baseboard heaters.

#### Building 490 – Lockheed Support Line Shack

A third line shack, Building 490, is positioned immediately east of Building 431 (discussed above) (Figure 2). The building installation date is unknown.

The two-room building consists of a 940-square-foot, one-story, wood-framed structure with aluminum siding, and is supported on concrete blocks. Both rooms were used as office areas. Building 490 was heated by electric baseboard heaters.

#### Building 497 – Line Shack

The fourth line shack, Building 497, is an unnamed line shack located on the southwestern section of the Hangar 4 concrete apron, immediately north of Buildings 431 and 490 (discussed above). The building installation date is unknown.

The two-room building consists of a 300-square-foot, one-story, wood-framed structure with wood siding, and is supported on steel skids. Building 497 was used as a line shack by aircraft ground crews. One room was used as an office area and the second as storage space. Building 497 features a ceiling-mounted electric heater.

A shed, Structure A10, is positioned on the concrete apron immediately east of Building 497. This 80-square-foot, metal structure was used for tool storage by the ground crews; according to NAS Brunswick records. Its service timeframe is not known.

### **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 431, 432, 490, and 497, and the nearby structures (Structures A10 and HH), 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 431, 432, 490 and 497 were used as line shacks since their initial installation. There is no record of hazardous waste generation or accumulation at Building 431, Building 432, Building 490, or Building 497.

Historical maps, building lists, and aerial photographs, all readily available, show the current location of Buildings 431, 432, 490, and 497 as vacant land until the Airfield Parking Apron Area and Hangar 4 were constructed. Beginning with the 1958 aerial photograph, the concrete airfield parking apron is present where the four buildings are currently located. In the 1981 photograph, several relatively small structures, similar to line shacks and storage sheds, are visible on the concrete apron in the vicinity of the buildings, and adjacent to Hangar 4. Buildings 431, 432, and 490 are not present on the 2006 base map, although Building 497 is indicated.

The NAS Brunswick Transformer Database lists no electrical transformers for Buildings 431, 432, 490, or 497 (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 431, 432, 490, or 497 (Environmental Department, 2009).

No oil/water separators are listed for Buildings 431, 432, 490, or 497 on the NAS Brunswick Revised Oil/Water Separator List (PWD, 2008b).

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

Site visits were conducted by Mr. Brian Geringer, Mr. Mark K. Speer, P.E., and Mr. James Forrelli, P.E. of Tetra Tech on June 24, and August 12, 2010. The visits included the areas of Buildings 431, 432, 490, and 497, and of Structures A10 and HH. The purpose of the site visits were 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 four buildings and the two 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 431 and Structure HH

- At the time of the June 24, 2010 site visit, Building 431 was unoccupied and in fair condition.
- At the time of the August 12, 2010 site visit, Structure HH was empty 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 431 and/or Structure HH were observed.

##### Building 432

- At the time of the June 24, 2010 site visit, Building 432 was unoccupied and in fair condition.
- Floor tiles, 12-inch by 12-inch, on the floor of Building 432 were observed to be in fair to poor condition. The tiles and adhesive mastic are suspected to be asbestos-containing materials (ACM) based on the estimated building construction date (approximately 1980).
- 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 this building were observed.

##### Building 490

- At the time of the June 24, 2010 site visit, Building 490 was unoccupied and 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 this building were observed.

#### Building 497 and Structure A10

- At the time of the June 24, 2010 site visit, Building 497 was unoccupied and in fair condition.
- Structure A10 was empty and in poor condition, with miscellaneous debris observed within the structure.
- 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 497 and/or Structure A10 were observed

Based on the records research findings and site visit observations, it was determined that neither further inspection nor sampling of Buildings 431, 432, 490, and 497, nor of Structures A10 and HH, are required to complete the MEDEP hazardous waste closure requirements.

### **5. HAZARDOUS WASTE GENERATION AND STORAGE**

Based on the records research, site visit observations, and NAS Brunswick Environmental Department personnel interviews, with the exception of universal waste, no hazardous waste generation, hazardous waste accumulation, or hazardous waste storage was conducted at Buildings 431, 432, 490, or 497, or at the nearby structures (Structures A10 and HH).

### **6. OTHER ENVIRONMENTAL CONSIDERATIONS**

No USTs or ASTs were observed in the immediate vicinity of Buildings 431, 432, 490, or 497, other than those associated with the Hangar SSA. This SSA and associated ASTs are discussed in the Hangar 4 Parcel RCRA Partial Closure Report.

It is suspected that floor tiles and the adhesive mastic materials observed in Building 432 are ACM, as discussed in Section 4 of this report.

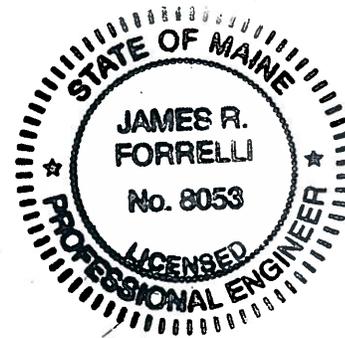
### **7. LIMITATIONS**

This investigation of the hazardous waste closure requirement applies to the building footprints of Buildings 259, 429, 440, and 445 (building footprints as shown on Figure 2). It does not apply to the land surrounding or the groundwater underlying Buildings 431, 432, 490, or 497. Groundwater is addressed in the Hangar 4 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 431, 432, 490, and 497 at NAS Brunswick, Maine. Therefore, the hazardous waste closure of Buildings 431, 432, 490, and 497 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.



<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.

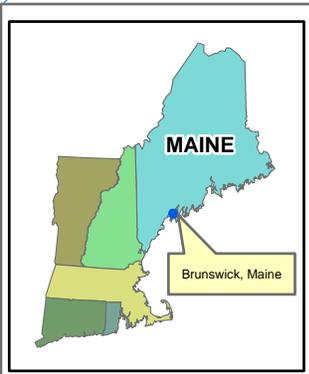
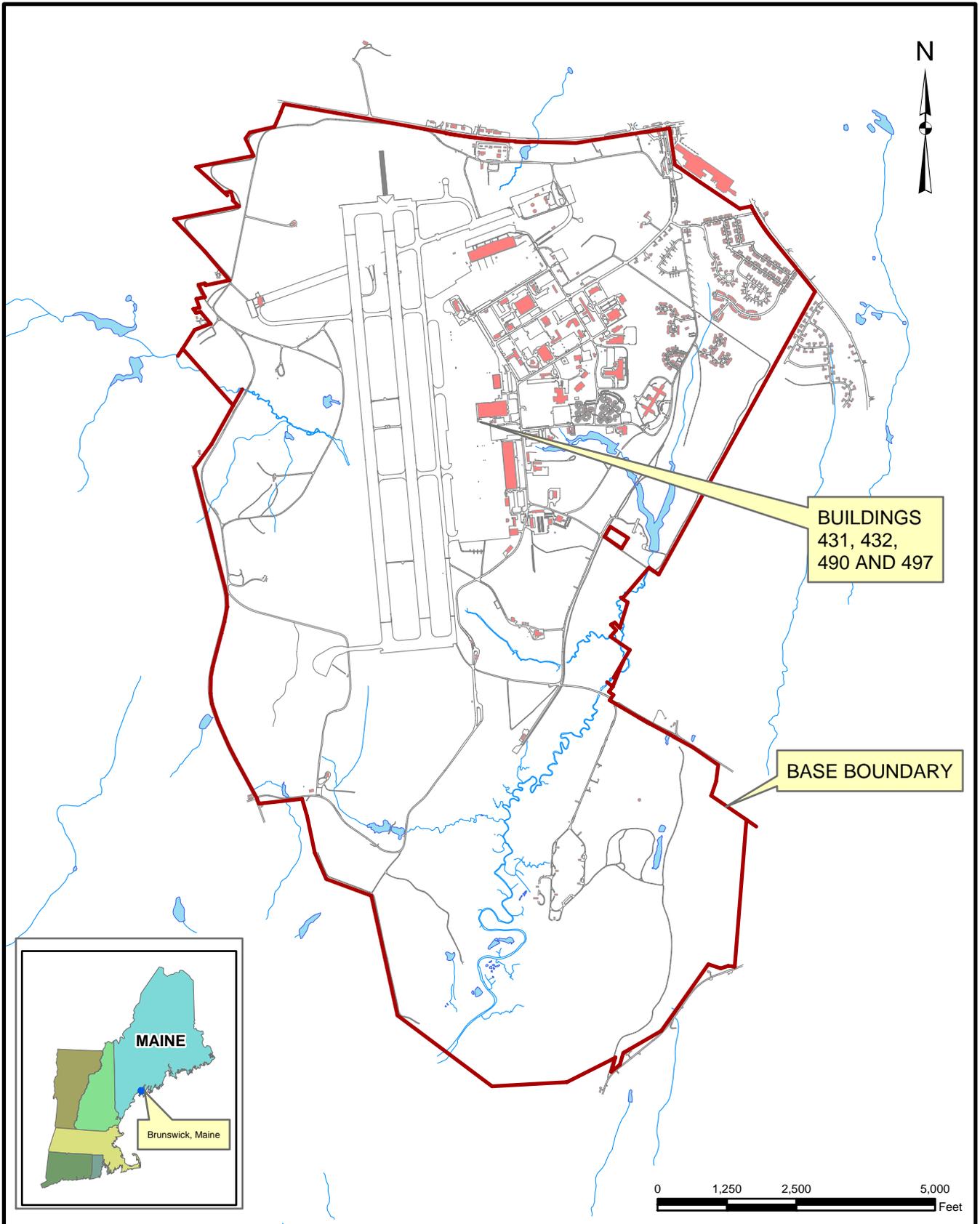
Sewall, 1981. NAS Brunswick Aerial Photographs. James W. Sewall Company, Old Town, ME. October 17.

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.

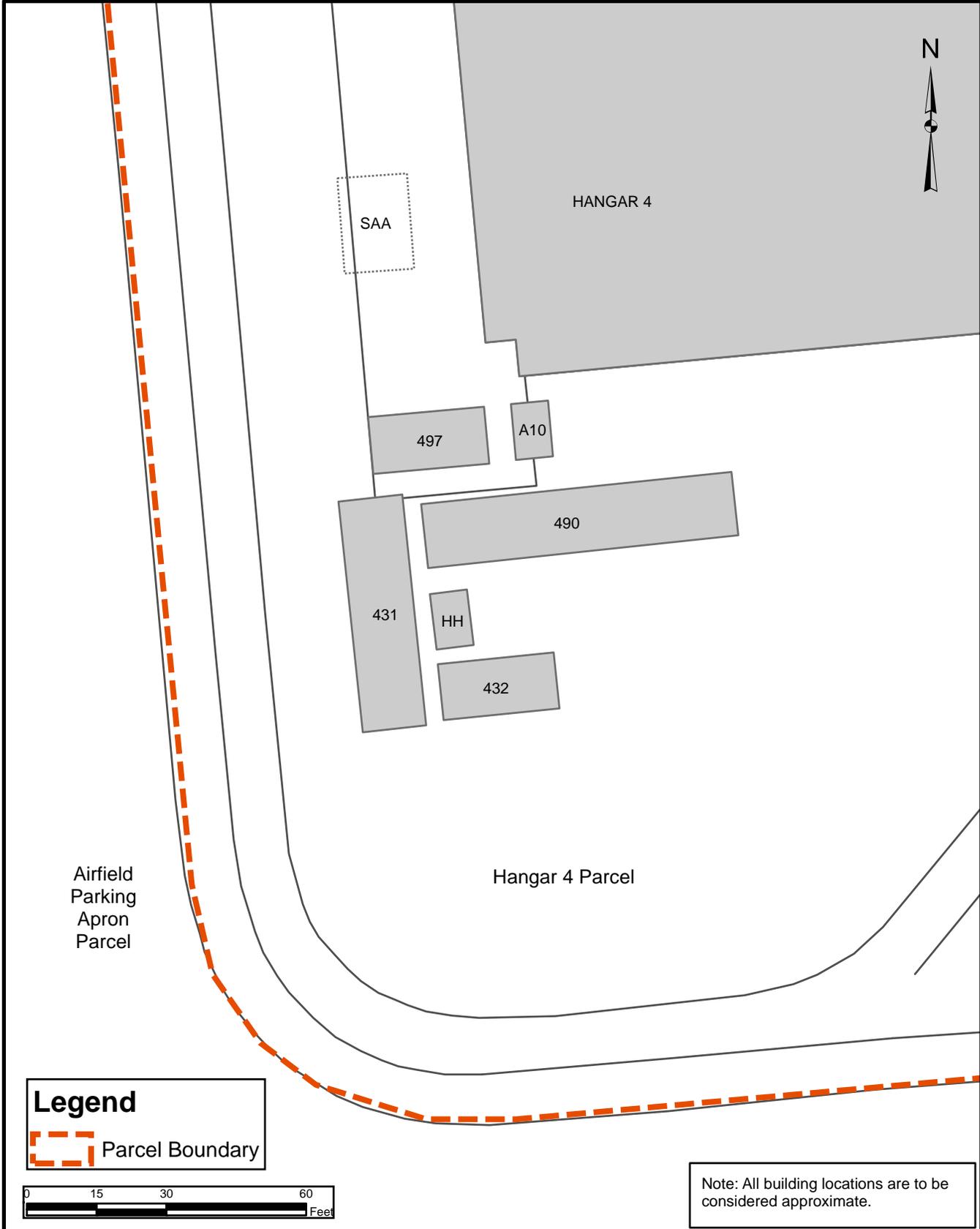
Sewall, 1997. NAS Brunswick Aerial Photographs. James W. Sewall Company, Old Town, ME. May 27.



Tetra Tech NUS, Inc.

SITE LOCATION MAP  
 BUILDINGS 431, 432, 490 AND 497  
 RCRA PARTIAL CLOSURE REPORT  
 NAS BRUNSWICK, MAINE

SCALE AS NOTED	
FILE I:\02258\CP_DR\NASB_H4_BLDGS_LOCUS.MXD	
REV 0	DATE 08/16/10
FIGURE NUMBER 1	



**Legend**  
 Parcel Boundary



Note: All building locations are to be considered approximate.



Tetra Tech NUS, Inc.

SITE LOCATION MAP  
 BUILDINGS 431, 432, 490 AND 497  
 RCRA PARTIAL CLOSURE REPORT  
 NAVAL AIR STATION BRUNSWICK, MAINE

SCALE AS NOTED	
FILE L:\NASB_H4_BLDGS_SITE_MAP.MXD	
REV 0	DATE 08/19/10
FIGURE NUMBER 2	

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

**Inspection Date:** 6/24/10

**Personnel:** Brian Geringer / James Forrelli, P.E. / Mark Speer, P.E.

**Weather:** Partly Cloudy, 80s

**GENERAL BUILDING INFORMATION / USES**

Building Name: Line Shack

Function: Storage Space and Shelter for Airfield Ground Crews

Size: 590 SF

Year of Construction: Unknown

Building 431 is located on the concrete apron area at the southwest corner of Hangar 4, and immediately to the south of Building 497 (Line Shack); and west of Buildings 490 (Line Shack), and 432 (Line Shack). Hangar 4 adjoins the west side of Building 250. Construction date of Building 431 is unknown, and has served as storage and shelter space for its entire history. Building 431 is a single story, wood framed structure mounted on steel skids, asphalt shingled roof, wood interior walls.

Building 431 consists of three separate rooms, no hazardous materials were used in its operation and no hazardous waste was generated, according to NAS Brunswick personnel. Building 431 is heated via electric baseboard heaters.

A small pre-fabricated concrete storage shelter, identified as Structure HH, was observed to the east of Building 431. Access to this structure is via double steel doors, which were locked at the time of the site inspection. According to NAS Brunswick personnel, this shed was used for formerly used as a designated smoking area. No hazardous material or evidence of hazardous material generation was observed.

A designated smoking area structure is located immediately east of Building 431; north of Building 432; and south of Building 490. The structure is labeled HH, and is a 120 SF unheated pre-fabricated concrete structure. No hazardous materials were used in its operation and no hazardous waste was generated, according to NAS Brunswick personnel.

**HWSA INSPECTION / CONDITION**

At the time of inspection, Building 431 was vacant and in fair condition; while Structure HH was vacant and in undetermined condition due to our lack of access to the interior of the structure.

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 – "Range Road" appears to cross through areas of future Hangar 4 and Building 250, and associated line shacks and sheds. Buildings 70 (R.P. Fusing and Arming Building) and 79 (R.P. Ready Room) and present in vicinity.

1952 map – Same as 1946 map.  
 1953 aerial – Vacant land.  
 1956 map –A “New Hanger” building located in approximate location of future Hangar 4 and adjoining Building 250. Building 231 (Operations, Battery Shop) located east of “New Hanger” building.  
 1957 map – Hangar 4, and Buildings 250, 231 and 555 present.  
 1958 aerial – Hangar 4, and Buildings 250 and 231, and concrete apron/aircraft area and parking area present.  
 1965 building list – Building 250 (Hanger – CFAW Headquarters) present, Buildings 431, 432, and 490, and Shed HH not listed.  
 1975 map –Buildings 250, 231, 555 and P-023(A/C Maintenance Hanger). Building P-023 abuts the east wall of Building 250.  
 1976 building list – Buildings 250 (Hanger – CFAW Headquarters), 231 (Battery Shop), 555 (Ground Support Equipment) and P-023 (A/C Maintenance Hanger) listed.  
 1978 aerial – Buildings 250, 231, 555 and P-023, along with 2 unmarked line shacks immediately south of P-023 on concrete apron/aircraft area  
 1981 aerial – A new building expansion east of Building P-023, which apparently has merged with Building P-023. Buildings 231, 555, 431, 490, 497, and 2-unmarked. Buildings 431, 490, 497 and 1-unmarked building located a southwest corner of Building 250. 1-unmarked building located immediately south of building P-023.  
 1984 aerial – Same as 1981 aerial, except Buildings 231 and 555 are not present and 1-unmarked line shack type building is located east of Building 497.  
 1989 map – Building 250 (includes former Building P-023) is present, with Building 555 present south of Building 5 (Hanger 5) and 231 not shown. Building 231 is believed to have been razed.  
 1989 aerial – Same as 1984 aerial, with 2 shed size structures located adjacent to line shacks at Building 250 southwest corner.  
 1993 aerial – Same as 1989 aerial, with 4 and 8-unmarked line shack located west and north, respectively, of Building 250.  
 1997 aerial – Same as 1989 aerial, except for 1-unmarked line shack located west of Building 250, and Building 446 the only building north of Building 250.  
 2003 building list – Buildings 250 (Maintenance Hanger), 446 (ISAR Eqmt Maint Trailer) and 497 (HGR 4N Line Shack) are listed, while Buildings 486, 496, and 499 are not listed.  
 2006 map – Concrete apron/aircraft parking area is shown, with Buildings 250, 446 and 486 (southwest corner of Building 250), and 497 and 499 (northwest corner of Building 250) shown.  
 2008 building list – Same as 2003 list.  
 Current Google aerial – Current site configuration.

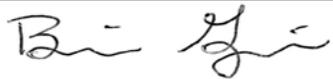
No underground storage tanks (USTs), above ground storage tanks (ASTs), or oil-water separators (OWS) were registered to Building 431 and/or Structure HH.

**HAZARDOUS WASTE STORAGE RECORDS**

No hazardous waste was historically stored at Building 431 or Structure HH 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:** 6/24/10

**Personnel:** Brian Geringer / James Forreli, P.E. / Mark Speer, P.E.

**Weather:** Partly Cloudy, 80s

**GENERAL BUILDING INFORMATION / USES**

Building Name: Line Shack

Function: Storage Space and Shelter for Airfield Ground Crews

Size: 480 SF

Year of Construction: Unknown

Building 432 is located on the concrete apron area at the southwest corner of Hangar 4 and the adjoining Building 250 (AIMD), and immediately to the west of Building 431 (Line Shack) at the southwest corner of Building 250; and south of Building 490 (Line Shack) and Shed HH. Construction date of Building 432 is unknown, and has served as storage and shelter space for its entire history. Building 432 is a single story, wood framed structure mounted on wood skids, asphalt shingled roof, wood interior walls, and with 12x12 inch vinyl floor tiles. Based on the assumed construction date of the building (approximately 1980), and on visual observations, it is anticipated that the vinyl tiling and mastic are potentially asbestos containing material (PACM). The vinyl tile was observed to be in fair condition.

A sign within Building 432, located above the east entrance, identified the building as Building 499; although the building was identified with a sign labeled 432 on the outside of the structure, by the east entrance.

Building 432 consists of two separate rooms, no hazardous materials were used in its operation and no hazardous waste was generated, according to NAS Brunswick personnel. Building 432 is heated via electric baseboard heaters.

**HWSA INSPECTION / CONDITION**

At the time of inspection, Building 432 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 – “Range Road” appears to cross through area of future Building 250 and associated line shacks and sheds. Buildings 70 (R.P. Fusing and Arming Building) and 79 (R.P. Ready Room) and present in vicinity.

1952 map – Same as 1946 map.

1953 aerial – Vacant land.

1956 map – A “New Hanger” building located in approximate location of future Hangar 4 and adjoining Building 250. Building 231 (Operations, Battery Shop) located east of “New Hanger” building.



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

**Inspection Date:** 6/24/10

**Personnel:** Brian Geringer / James Forreli, P.E. / Mark Speer, P.E.

**Weather:** Partly Cloudy, 80s

**GENERAL BUILDING INFORMATION / USES**

Building Name: Line Shack

Function: Storage Space and Lockheed Technical Representative Office Space

Size: 940 SF

Year of Construction: Unknown

Building 490 is located on the concrete apron area at the southwest corner of Hangar 4 and the adjoining Building 250 (AIMD), and immediately to the west of Building 431 (Line Shack); and south of Building 497 (Line Shack). Construction date of Building 490 is unknown, and has served as storage and office space for its entire history. Building 490 is a single story, wood framed structure with aluminum siding, asphalt shingled roof, wood paneling interior walls, and carpeting on the floor.

Building 490 consists of two separate rooms, no hazardous materials were used in its operation and no hazardous waste was generated, according to NAS Brunswick personnel.

Building 490 is heated via electric baseboard heaters.

**HWSA INSPECTION / CONDITION**

At the time of inspection, Building 490 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. 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 – “Range Road” appears to cross through area of future Building 250 and associated line shacks and sheds. Buildings 70 (R.P. Fusing and Arming Building) and 79 (R.P. Ready Room) and present in vicinity.

1952 map – Same as 1946 map.

1953 aerial – Vacant land.

1956 map – A “New Hanger” building located in approximate location of future Hangar 4 and adjoining Building 250. Building 231 (Operations, Battery Shop) located east of “New Hanger” building.

1957 map – Buildings 250, 231 and 555 present.

1958 aerial – Buildings 250 and 231, and concrete apron/aircraft area and parking area present.

1965 building list – Building 250 (Hanger – CFAW Headquarters) present, Buildings 431, 432, and 490, and Shed HH not listed.

1975 map – Buildings 250, 231, 555 and P-023(A/C Maintenance Hanger). Building P-023 abuts the east wall of Building 250.

1976 building list – Buildings 250 (Hanger – CFAW Headquarters), 231 (Battery Shop), 555 (Ground

Support Equipment) and P-023 (A/C Maintenance Hanger) listed.  
1978 aerial – Buildings 250, 231, 555 and P-023, along with 2 unmarked line shacks immediately south of P-023 on concrete apron/aircraft area  
1981 aerial – A new building expansion east of Building P-023, which apparently has merged with Building P-023. Buildings 231, 555, 431, 490, 497, and 2-unmarked. Buildings 431, 490, 497 and 1-unmarked building located a southwest corner of Building 250. 1-unmarked building located immediately south of building P-023.  
1984 aerial – Same as 1981 aerial, except Buildings 231 and 555 are not present and 1-unmarked line shack type building is located east of Building 497.  
1989 map – Building 250 (includes former Building P-023) is present, with Building 555 present south of Building 5 (Hanger 5) and 231 not shown. Building 231 is believed to have been razed.  
1989 aerial – Same as 1984 aerial, with 2 shed size structures located adjacent to line shacks at Building 250 southwest corner.  
1993 aerial – Same as 1989 aerial, with 4 and 8-unmarked line shack located west and north, respectively, of Building 250.  
1997 aerial – Same as 1989 aerial, except for 1-unmarked line shack located west of Building 250, and Building 446 the only building north of Building 250.  
2003 building list – Buildings 250 (Maintenance Hanger), 446 (ISAR Eqmt Maint Trailer) and 497 (HGR 4N Line Shack) are listed, while Buildings 486, 496, and 499 are not listed.  
2006 map – Concrete apron/aircraft parking area is shown, with Buildings 250, 446 and 486 (southwest corner of Building 250), and 497 and 499 (northwest corner of Building 250) shown.  
2008 building list – Same as 2003 list.  
Current Google aerial – Current site configuration.

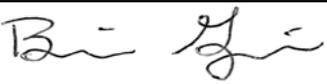
No underground storage tanks (USTs), above ground storage tanks (ASTs), or oil-water separators (OWS) were registered to Building 490.

**HAZARDOUS WASTE STORAGE RECORDS**

No hazardous waste was historically stored at Building 490 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:** 6/24/10

**Personnel:** Brian Geringer / James Forreli, P.E. / Mark Speer, P.E.

**Weather:** Partly Cloudy, 80s

**GENERAL BUILDING INFORMATION / USES**

Building Name: Line Shack

Function: Storage Space and Shelter for Airfield Ground Crews

Size: 300 SF

Year of Construction: Unknown

Building 497 is located on the concrete apron area at the southwest corner of Hangar 4 and the adjoining Building 250 (AIMD), and immediately south of Hangar 4; and north of Buildings 431, 490, and 432 (Line Shacks), and Structure HH; and west of Structure A10. Construction date of Building 497 is unknown, and has served as storage and shelter space for its entire history.

Building 497 is a single story, wood framed structure mounted on steel skids, asphalt shingled roof, wood interior walls, and rubber 12 by 12 tiles. Building 431 consists of two separate rooms, no hazardous materials were used in its operation and no hazardous waste was generated, according to NAS Brunswick personnel. Building 497 is heated via a ceiling mounted electric heater.

A shed, Structure A10, is positioned on the concrete apron immediately east of Building 497. This 80-square-foot, unheated metal structure was used for tool storage by the ground crews; 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 497 was vacant and in good to 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 – “Range Road” appears to cross through area of future Building 250 and associated line shacks and sheds. Buildings 70 (R.P. Fusing and Arming Building) and 79 (R.P. Ready Room) and present in vicinity.

1952 map – Same as 1946 map.

1953 aerial – Vacant land.

1956 map – A “New Hanger” building located in approximate location of future Hangar 4 and adjoining Building 250. Building 231 (Operations, Battery Shop) located east of “New Hanger” building.

1957 map – Buildings 250, 231 and 555 present.

1958 aerial – Buildings 250 and 231, and concrete apron/aircraft area and parking area present.



**PHOTOGRAPHS**



No. 1                      Buildings 431, 432, 490 and 497 – NAS Brunswick                      August 12, 2010  
Viewed from southwest: Buildings 497, 431 and 432 (left to right), with Hangar 4 in background



No. 2                      Buildings 431, 432, 490 and 497 – NAS Brunswick                      June 24, 2010  
Building 431 northwest elevation



No. 3 Buildings 431, 432, 490 and 497 – NAS Brunswick June 24, 2010  
Building 431 interior



No. 4 Buildings 431, 432, 490 and 497 – NAS Brunswick June 24, 2010  
Building 432 southeast elevation; Building 431 in left background and Building 490 in right background



No. 5 Buildings 431, 432, 490 and 497 – NAS Brunswick June 24, 2010  
Building 432 interior



No. 6 Buildings 431, 432, 490 and 497 – NAS Brunswick June 24, 2010  
Building 490 southeast elevation



No. 7 Buildings 431, 432, 490 and 497 – NAS Brunswick June 24, 2010  
Building 490 southeast elevation; Structure A10 in right background



No. 8 Buildings 431, 432, 490 and 497 – NAS Brunswick June 24, 2010  
Building 490 interior



No. 9 Buildings 431, 432, 490 and 497 – NAS Brunswick June 24, 2010  
Building 497 northwest elevation; Building 431 in right background and Structure A10 in left background



No. 10 Buildings 431, 432, 490 and 497 – NAS Brunswick June 24, 2010  
Building 497 interior



No. 11                      Buildings 431, 432, 490 and 497 – NAS Brunswick                      June 24, 2010  
Structure A10 southeast elevation; Building 497 in background



No. 12                      Buildings 431, 432, 490 and 497 – NAS Brunswick                      June 24, 2010  
Structure A10 interior



No. 13 Buildings 431, 432, 490 and 497 – NAS Brunswick  
Structure HH east elevation

June 24, 2010



No. 14 Buildings 431, 432, 490 and 497 – NAS Brunswick  
Structure HH interior

August 12, 2010