DATA CALL 1: GENERAL INSTALLATION INFORMATION

1. ACTIVITY: Follow example as provided in the table below (*delete the examples when providing your input*). If any of the questions have multiple responses, please provide all. If any of the information requested is subject to change between now and the end of Fiscal Year (FY) 1995 due to known redesignations, realignments/closures or other action, provide current and projected data and so annotate.

- Name

Official name	***Naval Weapons Station Charleston***
Acronym(s) used in correspondence	***WPNSTA CHASN, NWS Charleston***
Commonly accepted short title(s)	***none***

- Complete Mailing Address

Commanding Officer
Naval Weapons Station Charleston
2316 Red Bank Road STE 100
Goose Creek SC 29445-8601

- PLAD
  WPNSTA Charleston SC

- PRIMARY UIC: **00193** (Plant Account UIC for Plant Account Holders)

Enter this number as the Activity identifier at the top of each Data Call response page.

- ALL OTHER UIC(s): **47613** PURPOSE: **NON-NIF, Military**
  30467 **NON-NIF, Exchange**

2. PLANT ACCOUNT HOLDER:

- Yes **X** No _____ (check one)

Data Call 1: General Installation Information, BRAC 95 Data Call #1 continued
Activity: **Naval Weapons Station Charleston**

3. ACTIVITY TYPE: Choose most appropriate type that describes your activity and completely answer all questions.

• HOST COMMAND: A host command is an activity that provides facilities for its own functions and the functions of other (tenant) activities. A host has accountability for Class 1 (land), and/or Class 2 (buildings, structures, and utilities) property, regardless of occupancy. It can also be a tenant at other host activities.

- Yes __X__ No ____ (check one)

• TENANT COMMAND: A tenant command is an activity or unit that occupies facilities for which another activity (i.e., the host) has accountability. A tenant may have several hosts, although one is usually designated its primary host. If answer is "Yes," provide best known information for your primary host only.

- Yes ____ No __X__ (check one)
- Primary Host (current) UIC: _____
- Primary Host (as of 01 Oct 1995) UIC: _____
- Primary Host (as of 01 Oct 2001) UIC: _____

• INDEPENDENT ACTIVITY: For the purposes of this Data Call, this is the "catch-all" designator, and is defined as any activity not previously identified as a host or a tenant. The activity may occupy owned or leased space. Government Owned/Contractor Operated facilities should be included in this designation if not covered elsewhere.

- Yes ____ No __X__ (check one)

4. SPECIAL AREAS: List all Special Areas. Special Areas are defined as Class 1/Class 2 property for which your command has responsibility that is not located on or contiguous to main complex.

Name	Location	UIC
NAVSTA Charleston	**North Charleston, SC**	**00193**
Hunley Park Family Housing	**Between Rhode Island Ave. and New Mexico Ave., North Charleston, SC**	**00193**

5. DETACHMENTS: If your activity has detachments at other locations, please list them in the table below.

Name	UIC	Location	Host name	Host UIC
N/A				

6. BRAC IMPACT: Were you affected by previous Base Closure and Realignment decisions (BRAC-88, -91, and/or -93)? If so, please provide a brief narrative.

YES

- **Eighty six officer housing units at the Naval Station Charleston managed by WPNSTA CHASN will be excessed. Because of the reduced Naval presence in the Charleston area, WPNSTA CHASN is in the process of transferring 100 officer housing units and 400 enlisted housing units located at Hunley Park to the Charleston Air Force Base.**

- **Twenty commands affected by BRAC-93 closures have requested relocation to WPNSTA CHASN or for additional space.**

- **Naval Weapons Station Charleston will serve as host command for the Naval Command Control and Ocean Surveillance Center Inservice Engineering East Coast Division (NISE EAST). $36M is approved for construction of new facilities for NISE EAST, which will employ 945 civil service and military personnel and approximately 250 contractor personnel.**

7. MISSION: Do not simply report the standard mission statement. Instead, describe important functions in a bulletized format. Include anticipated mission changes and brief narrative explanation of change; also indicate if any current/projected mission changes are a result of previous BRAC-88, -91,-93 action(s).

R

Data Call 1: General Installation Information, BRAC 95 Data Call #1 continued
Activity: **Naval Weapons Station Charleston**

5. DETACHMENTS: If your activity has detachments at other locations, please list them in the table below.

Name	UIC	Location	Host name	Host UIC
N/A				

6. BRAC IMPACT: Were you affected by previous Base Closure and Realignment decisions (BRAC-88, -91, and/or -93)? If so, please provide a brief narrative.

YES — (Bullet deleted)

R 11/7/94

- **Eighty six officer housing units at the Naval Station Charleston managed by WPNSTA CHASN will be excessed. Because of the reduced Naval presence in the Charleston area, WPNSTA CHASN is in the process of transferring 100 officer housing units and 400 enlisted housing units located at Hunley Park to the Charleston Air Force Base.**

- **Twenty commands affected by BRAC-93 closures have requested relocation to WPNSTA CHASN or for additional space.**

- **Naval Weapons Station Charleston will serve as host command for the Naval Command Control and Ocean Surveillance Center Inservice Engineering East Coast Division (NISE EAST). $36M is approved for construction of new facilities for NISE EAST, which will employ 945 civil service and military personnel and approximately 250 contractor personnel.**

7. MISSION: Do not simply report the standard mission statement. Instead, describe important functions in a bulletized format. Include anticipated mission changes and brief narrative explanation of change; also indicate if any current/projected mission changes are a result of previous BRAC-88, -91,-93 action(s).

Data Call 1: General Installation Information, BRAC 95 Data Call #1 continued
Activity: **Naval Weapons Station Charleston**

4. SPECIAL AREAS: List all Special Areas. Special Areas are defined as Class 1/Class 2 property for which your command has responsibility that is not located on or contiguous to main complex.

Name	Location	UIC
NAVSTA Charleston	**North Charleston, SC**	**00193**
Hunley Park Family Housing	**Between Rhode Island Ave. and New Mexico Ave., North Charleston, SC**	**00193**

5. DETACHMENTS: If your activity has detachments at other locations, please list them in the table below.

Name	UIC	Location	Host name	Host UIC
N/A				

6. BRAC IMPACT: Were you affected by previous Base Closure and Realignment decisions (BRAC-88, -91, and/or -93)? If so, please provide a brief narrative.

YES

- **Two homeported ships (USS Mount Baker, USS Santa Barbara) are scheduled to relocate to Naval Weapons Station Earle in FY95.**

- **Eighty six officer housing units at the Naval Station Charleston managed by WPNSTA CHASN will be excessed. Because of the reduced Naval presence in the Charleston area, WPNSTA CHASN is in the process of transferring 100 officer housing units and 400 enlisted housing units located at Hunley Park to the Charleston Air Force Base.**

- **Twenty commands affected by BRAC-93 closures have requested relocation to WPNSTA CHASN or for additional space.**

- **Naval Weapons Station, Charleston will serve as host Command for the Naval Command Control and Ocean Surveillance Center NISE East Coast Division (NISE EAST). $36M is approved for construction of new facilities for NISE EAST, which will employ 945 civil service and military personnel and approximately 250 contractor personnel.**

R

Current Missions

"Provide quality logistical, technical, and material support to the fleet in the areas of combat subsystems, equipment, components, and retail management . . ."

- **Operate explosive outloading and storage facilities to include receipt, segregation, storage, and issue functions.**
- **Homeport two ammunition ships (USS Mount Baker & USS Santa Barbara).**
- **Operate ordnance renovation and maintenance facilities to include (encan/de-can of vertical launch Standard Missile and Tomahawk Cruise Missile).** R 11/7/94
- **Manage all Navy Housing in the Charleston area. (2,675 family units and 60 mobile home sites)**
- **Support Marine Corps Maritime Prepositioning Force (MPF) *ammunition operations.***
- **Support interim Army's Strategic Mobility Logistics Base (SMLB) Program.** R 11/7/94
- **Support the Nuclear Power Training Unit (NPTU) which operates two nuclear operator training platforms for training fleet nuclear operators.**
- **Support over 33 tenants.**
- **Provide Morale, Welfare, and Recreation (MWR) Services.**
- **Operate a permitted[1] Open Burn/Open Detonation (OB/OD) Explosive Ordnance Disposal *(EOD) Class "C" Range* capable of up to 150 lbs net explosive weight (NEW) per open detonation and up to 4,000 lbs NEW per open burn.** R 11/7/94

Projected Missions for FY 2001

- **All of the above.** R 11/7/94
- **Future homeport for USS Mount Baker & USS Santa Barbara currently under study.** R 11/7/94
- **Support *entire* Marine MPF program (currently being performed at Blount Island Command, Jacksonville, FL).**
- **Support *complete* Army's Strategic Mobility Logistics Base (SMLB) Program.** R 11/7/94
- **Support for the Naval Command Control and Ocean Surveillance Center Inservice Engineering East Coast Division (NISE EAST), which will employ 945 civil service and military personnel and approximately 250 contractor personnel.**

[1](interim status under subpart X of part B permit # SC8 170 022 620 through Environmental Protection Agency (EPA) Region 4) R 11/7/94

Data Call 1: General Installation Information, BRAC 95 Data Call #1 continued

Activity: **Naval Weapons Station Charleston**

7. MISSION: Do not simply report the standard mission statement. Instead, describe important functions in a bulletized format. Include anticipated mission changes and brief narrative explanation of change; also indicate if any current/projected mission changes are a result of previous BRAC-88, -91,-93 action(s).

Current Missions

"Provide quality logistical, technical, and material support to the fleet in the areas of combat subsystems, equipment, components, and retail management . . ."

- **Operate explosive outloading and storage facilities to include receipt, segregation, storage, and issue functions.**
- **Homeport two ammunition ships (USS Mount Baker & USS Santa Barbara).**
- **Operate ordnance renovation and maintenance facilities to include (MK 50 Torpedo Intermediate Level Maintenance Activity (IMA) and Standard Missile IMA).**
- **Manage all Navy Housing in the Charleston area. (2,675 family units and 60 mobile home sites)**
- **Support Marine Corps Maritime Prepositioning Force (MPF) *ammunition operations*.**
- **Support *interim* Army Strategic Mobility Maintenance Facility (SMMF) operations.**
- **Support the Nuclear Power Training Unit (NPTU) which operates two nuclear operator training platforms for training fleet nuclear operators.**
- **Support over 33 tenants.**
- **Provide Morale, Welfare, and Recreation (MWR) Services.**

Projected Missions for FY 2001

- **All of the above except for the two homeported ships. This is as a result of BRAC-93.**
- **Support *entire* Marine MPF program (currently being performed at Blount Island Command, Jacksonville, FL).**
- **Support *complete* Army SMMF operations.**
- **Support for the Naval Command Control and Ocean Surveillance Center**

OPNAV input to data call one Question eight "Unique Missions"

NWS Charleston

Provides explosive outloading capability to ships operating out of the Charleston, SC and Eastern U. S. area as required.

Serves as transshipment point for ships deploying and returning from deployment "for further transfer" (FFT) of ammunition to other explosive storage sites.

One of three Eastern U. S. sites capable of providing explosive storage of ammunition for ships scheduled to deploy from Eastern U. S.

F. H. Beckmann
N441 2/25/94

8. UNIQUE MISSIONS: Describe any missions which are unique or relatively unique to the activity. Include information on projected changes. Indicate if your command has any National Command Authority or classified mission responsibilities.

Current Unique Missions

- ***Homeport*** **for two ammunition ships (AE's) (USS Mount Baker & USS Santa Barbara).**

- **WPNSTA Charleston has a permitted[2] Open Burn/Open Detonation (OB/OD) Explosive Ordnance Disposal *(EOD) Class "C" Range*** **capable of up to 150 lbs net explosive weight (NEW) per open detonation and up to 4,000 lbs NEW per open burn.**

- Bullet deleted

- **Support Marine Corps Maritime Prepositioning Force (MPF)** ***ammunition operations.*** **Provide the requisite planning, receiving, downloading, maintenance, uploading, and shipping required to support ammunition requirements for MPF Program located at Blount Island Command, Jacksonville, FL. Provide magazine space for storage of Marine Corps ammunition stock (Cog OT). Also perform repair to MILVANS required for MPF Program.**

- **Support interim Army's Strategic Mobility Logistics Base (SMLB) Program. Provide ammunition MILVAN inspection, stuffing, and repair. Transport MILVANS to waterfront for loading aboard ships. Provide crane service to load containers, and perform maintenance on related support equipment (Rough Terrain Container Handler (RTCH) and chassis for moving MILVANS). Provide required financial, environmental, security, and supply/procurement services.**

- **Support NPTU Charleston which operates two of the six nuclear operator training platforms able to train nuclear operators for the Fleet by providing common support services in addition to Public Works support and unique Ordnance Machine Shop operations.**

[2](interim status under subpart X of part B permit # SC8 170 022 620 through Environmental Protection Agency (EPA) Region 4)

Inservice Engineering East Coast Division (NISE EAST), which will employ 945 civil service and military personnel and approximately 250 contractor personnel.

8. UNIQUE MISSIONS: Describe any missions which are unique or relatively unique to the activity. Include information on projected changes. Indicate if your command has any National Command Authority or classified mission responsibilities.

Current Unique Missions

- **Only East Coast MK50 Torpedo Intermediate Maintenance Activity (IMA). Performs maintenance on MK50 Warshots, providing turnaround weapons for the fleet and performs maintenance on training rounds.**

- **Support Marine Corps Maritime Prepositioning Force (MPF) ammunition operations. Provide the requisite planning, receiving, downloading, maintenance, uploading, and shipping required to support ammunition requirements for the 13 ship MPF Program located at Blount Island Command, Jacksonville, FL with each ship operating on a 30 month turnaround cycle. Provide magazine space for storage of Marine Corps ammunition stock (Cog OT). Also perform repair to MILVANS required for MPF Program.**

- **Support *interim* Army Strategic Mobility Maintenance Facility (SMMF), consisting of seven commercial ships which will adhere to a 24-30 month turnaround cycle. Provide ammunition MILVAN inspection, stuffing, and repair. Transport MILVANS to waterfront for loading aboard ships. Provide crane service to load containers, and perform maintenance on related support equipment (Rough Terrain Coutainer Handler (RTCH) and chassis for moving MILVANS). Provide required financial, environmental, security, and supply/procurement services.**

- **Support NPTU Charleston which operates two of the six nuclear operator training platforms able to train nuclear operators for the Fleet by providing common support services in addition to Public Works support and unique Ordnance Machine Shop operations.**

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Projected Unique Missions for FY 2001

- **WPNSTA Charleston has a permitted[3] Open Burn/Open Detonation (OB/OD) Explosive Ordnance Disposal (EOD) Class "C" Range capable of up to 150 lbs net explosive weight (NEW) per open detonation and up to 4,000 lbs NEW per open burn.** R 11/7/94

- **Support *entire* Marine MPF program currently performed at Blount Island Command, Jacksonville, FL). Support will include all requirements and associated requirements to plan for, download, receive, and move to maintenance facility; perform maintenance on ammunition, vehicles, tracks, and containers; and ship and upload equipment aboard vessels of the MPF fleet. MPF Program personnel projections are 3 officers, 7 enlisted, 75 civil service, and 500 contractor personnel.** R11/7/94

- **Support *sustained* Army's Strategic Mobility Logistics Base (SMLB) Program at the Polaris Missile Facility (POMFLANT) (POMFLANT disestablishment scheduled April 1995), WPNSTA Charleston ammunition area and waterfront facilities. Planning, downloading, maintenance, and uploading requirements will be identical to those for MPF Program as stated above. MILCON and equipment funding of $52M have been programmed for FY's 96, 97, and 98 by the Department of the Army to support the SMLB. The SMLB will employ approximately 150 civil service and military personnel, and approximately 750 contractor personnel.** R11/7/94

- **Support for the NPTU which will operate two of the four nuclear operator training platforms able to train nuclear operators for the Fleet by providing common support services in addition to Public Works support and unique Ordnance Machine Shop operations. NPTU will employee approximately 43 officers and 533 enlisted full time personnel and 111 student officers and 532 student enlisted.**

- **Support for the Naval Command Control and Ocean Surveillance Center Inservice Engineering East Coast Division (NISE EAST), which will employ 945 civil service and military personnel and approximately 250 contractor personnel.**

[3](interim status under subpart X of part B permit # SC8 170 022 620 through Environmental Protection Agency (EPA) Region 4) R 11/7/94

Projected Unique Missions for FY 2001

- **Support *entire* Marine MPF program (currently being performed at Blount Island Command, Jacksonville, FL) consisting of 13 commercial ships which observe a turnaround cycle of 30 months. Support will include all requirements and associated requirements to plan for, download, receive, and move to maintenance facility; perform maintenance on ammunition, vehicles, tracks and containers; and ship and upload equipment aboard vessels of the MPF fleet. MPF Program personnel projections are 3 officers, 7 enlisted, 75 civil service, and 500 contractor personnel.**

- **Support sustained Army Strategic Mobility Maintenance Facility. (SMMF) at the Polaris Missile Facility (POMFLANT) (POMFLANT disestablishement scheduled April 1995), WPNSTA Charleston ammunition area and waterfront facilities. Planning, downloading, maintenance, and uploading requirements will be identical to those for MPF Program as stated above. MILCON and equipment funding of $52M have been programmed for FY's 96, 97, and 98 by the Department of the Army to support the maintenance facility. The SMMF wil employ approximately 150 civil service and military personnel, and approximately 750 contractor personnel.**

- **Support for the NPTU which will operate two of the four remaining nuclear operator training platforms able to train nuclear operators for the Fleet by providing common support services in addition to Public Works support and unique Ordnance Machine Shop operations. NPTU will employ approximately 43 officers and 533 enlisted full time personnel and 111 student officers and 532 student enlisted.**

- **Support for the Naval Command Control and Ocean Surveillance Center Inservice Engineering East Coast Division (NISE EAST), which will employ 945 civil service and military personnel and approximately 250 contractor personnel.**

Revised pg

Data Call 1: General Installation Information, BRAC 95 Data Call #1 continued
Activity: **Naval Weapons Station Charleston**

10. PERSONNEL NUMBERS: Host activities are responsible for totalling the personnel numbers for all of their tenant commands, even if the tenant command has been asked to separately report the data. The tenant totals here should match the total tally for the tenant listing provided subsequently in this Data Call (see Tenant Activity list). (Civilian count shall include Appropriated Fund personnel only.)

On Board Count as of 01 January 1994

	Officers	Enlisted	Civilian (Appropriated)
• Reporting Command	14	160	874 Perm, 42 Temp=916 (per NCPDS)
• Selected Reserve (Reporting Command is Gaining Command)	25	298	
• Tenants (Not including Selected Reserves that drill at Reporting Command)	259	2,674	523
• Tenants (Selected Reserves that drill at Reporting Command)	0	0	
• Tenants (total)	259	2,674	523

Authorized Positions as of 30 September 1994

	Officers	Enlisted	Civilian (Appropriated)	
• Reporting Command	13	161	820 *	
• Selected Reserve (Reporting Command is Gaining Command)	25	298		
• Tenants (Not including Selected Reserves that drill at Reporting Command)	251	2,518	559	R
• Tenants (Selected Reserves that drill at Reporting Command)	0	0		
• Tenants (total)	251	2,518	559	R

*For FY 95 Congressional Budget

Revised 6 July 1994

9. IMMEDIATE SUPERIOR IN COMMAND (ISIC): Identify your ISIC. If your ISIC is not your funding source, please identify that source in addition to the operational ISIC.

• Operational name	UIC
Naval Ordnance Center, Atlantic Division	**68969**

• Funding Source	UIC
DBOF	**Multiple**

10. PERSONNEL NUMBERS: Host activities are responsible for totalling the personnel numbers for all of their tenant commands, even if the tenant command has been asked to separately report the data. The tenant totals here should match the total tally for the tenant listing provided subsequently in this Data Call (see Tenant Activity list). (Civilian count shall include Appropriated Fund personnel only.)

On Board Count as of 01 January 1994

	Officers	Enlisted	Civilian (Appropriated)
• Reporting Command	**14**	**160**	**874 PERM, 42 TEMP=916**
• Reporting Reserves	**25**	**298**	
• Tenants (w/o reserves)	**259**	**2,674**	**523**
• Drilling Reserves	**0**	**0**	
• Tenants (Total)	**259**	**2,674**	**523**

Authorized Positions as of 30 September 1994

	Officers	Enlisted	Civilian (Appropriated)
• Reporting Command	**13**	**161**	**820**
• Reporting Reserves	**25**	**298**	
• Tenants (w/o reserves)	**250**	**2,509**	**557**
• Drilling Reserves	**0**	**0**	
• Tenants (Total)	**250**	**2,509**	**557**

ok

Data Call 1: General Installation Information, BRAC 95 Data Call #1 continued
Activity: **Naval Weapons Station Charleston**

N. KEY POINTS OF CONTACT (POC): Provide the work, FAX, and home telephone numbers for the Commanding Officer or OIC, and the Duty Officer. Include area code(s). You may provide other key POCs if so desired in addition to those above.

	Commercial Prefix = (803) 764-		**DSN = 794-**
Title/Name	Office	Fax	Home
• **COMMANDING OFFICER:**			
R. G. Bruce	**7886**	**7924**	**824-8019**
• **Duty Officer:**	**7901**	**4220**	**[N/A]**
• **BRAC-95 Points of Contact:**			
Andrew Graham	**7746**	**4075**	
• **James Ray**	**7746**	**4075**	

Data Call 1: General Installation Information, BRAC 95 Data Call #1 continued
Activity: **Naval Weapons Station Charleston**

12. TENANT ACTIVITY LIST: This list must be all-inclusive. Tenant activities are to ensure that their host is aware of their existence and any "subleasing" of space. This list should include the name and UIC(s) of all organizations, shore commands and homeported units, active or reserve, DOD or non-DOD (include commercial entities). The tenant listing should be reported in the format provide below, listed in numerical order by UIC, separated into the categories listed below. Host activities are responsible for including authorized personnel numbers as of **30 September 1994**, for all tenants, even if those tenants have also been asked to provide this information on a separate Data Call. (Civilian count shall include Appropriated Fund personnel only.)

• Tenants **authorized to be on board as of 30 Sept 94** - main complex (shore commands)

Tenant Command Name	UIC	Officer	Enlisted	Civilian
Naval Weapons Station Yorktown	00109	0	0	15
U. S. Customs	32710	0	0	9
NTCC Detachment	33254	0	0	6
Branch Dental Clinic	35748	2	2	2
Navy Military Affiliate Radio System (MARCORPS)	41306	0	2	0
Personnel Support Activity Detachment	43350	1	15	6
Naval Consolidated Brig Charleston	45610	9	155	42
Explosive Ordnance Disposal (EOD) Mobile Unit 12	47151	2	19	0
Nuclear Power Training Unit (NPTU) - Instructors	47723	15	217	0
NPTU - Support	47724	7	97	0
NPTU - Reactors Unit	47785	5	3	0
NPTU - Students	47801	111	532	0
Defense Commissary Agency	48873	0	3	58
Marine Corps Security Forces	53690	7	275	0
EOD Mobile Unit 6	55238	15	84	0
Resident Officer-In-Charge of Construction (ROICC)	62467	0	0	5
Polaris Missile Facility Atlantic (POMFLANT)	63028	8	89	290
Naval Electronic Systems Engineering Center	65236	0	0	19

Data Call 1: General Installation Information, BRAC 95 Data Call #1 continued
Activity: **Naval Weapons Station Charleston**

NPTU-Instructors	**49230**	**15**	**216**	**0**
Naval Hospital Charleston Branch Clinic	**68084**	**4**	**12**	**8**
Military Sealift Command Atlantic	**68779**	**0**	**0**	**3**
NPTU - Commanding Officer	**68898**	**1**	**0**	**0**
Defense Finance and Accounting Service	**HQ0104**	**0**	**0**	**6**
Military Traffic Management Command-1304 Major Port Com Command	**Army=W37QLQ Navy=47272**	**3**	**4**	**51**
U. S. Army Materiel Command (DESCOM)	**W39QAA**	**2**	**31**	**28**
U. S. Army Corps of Engineers	**W74RDV**	**0**	**0**	**9**
TOTAL		**207**	**1,756**	**557**

Revised pg

Data Call 1: General Installation Information, BRAC 95 Data Call #1 continued
Activity: **Naval Weapons Station Charleston**

Tenant Command Name	UIC	Officer	Enlisted	Civilian	
NPTU - Instructors	**49230**	**15**	**216**	**0**	
Marine Corps Security Forces	**53690**	**7**	**275**	**0**	
EOD Mobile Unit 6	**55238**	**15**	**84**	**0**	
Resident Officer-In-Charge of Construction (ROICC)	**62467**	**0**	**0**	**5**	
Polaris Missile Facility Atlantic (POMFLANT)	**63028**	**8**	**89**	**290**	
Naval Electronic Systems Engineering Center	**65236**	**1**	**0**	**21**	R
Naval Hospital Charleston Branch Clinic	**68084**	**4**	**21**	**8**	R
Military Sealift Command Atlantic	**68779**	**0**	**0**	**3**	
NPTU - Commanding Officer	**68898**	**1**	**0**	**0**	
Defense Finance and Accounting Service	**HQ0104**	**0**	**0**	**6**	
Military Traffic Management Command-1304 Major Port Command	**Army = W37QLQ Navy = 47272**	**3**	**4**	**51**	
U. S. Army Materiel Command (DESCOM)	**W39QAA**	**2**	**31**	**28**	
U. S. Army Corps of Engineers	**W74RDV**	**0**	**0**	**9**	
TOTAL		**208**	**1,765**	**559**	R

Data Call 1: General Installation Information, BRAC 95 Data Call #1 continued
Activity: **Naval Weapons Station Charleston**

• Tenants **authorized to be on board as of 30 Sept 94** - main complex (homeported units.)

Tenant Command Name	UIC	Officer	Enlisted	Civilian
USS Santa Barbara	**20111**	**23**	**370**	**0**
USS Mount Baker	**20115**	**20**	**383**	**0**
TOTAL		**43**	**753**	**0**

• Tenants residing in Special Areas (Special Areas are defined as real estate owned by host command not contiguous with main complex; e.g. outlying fields).

Tenant Command Name	UIC	Location	Officer	Enlisted	Civilian
N/A					

• Tenants (Other than those identified previously)

Tenant Command Name	UIC	Location	Officer	Enlisted	Civilian
N/A					

Data Call 1: General Installation Information, BRAC 95 Data Call #1 continued

Activity: **Naval Weapons Station Charleston**

13. REGIONAL SUPPORT: Identify your relationship with other activities, not reported as a host/tenant, for which you provide support. Again, this list should be all-inclusive. The intent of this question is capture the full breadth of the mission of your command and your customer/supplier relationships. Include in your answer any Government Owned/Contractor Operated facilities for which you provide administrative oversight and control.

Activity name	Location	Support function (include mechanism such as ISSA, MOU, etc.)
American Red Cross	**Bldg 3112**	**3,000 sq ft storage and warehousing of emergency supplies and equipment. MOA**
Charleston Naval Shipyard	**Bldg 3534** **Bldg 3542** **Bldg 3550** **Bldg 3580** **Bldg 3582** **Bldg 3586** **open storage**	**11,169 sq ft storage/warehousing. ISSA** **11,169 sq ft storage/warehousing.** **11,169 sq ft storage/warehousing.** **3,072 sq ft storage/warehousing.** **3,072 sq ft storage/warehousing.** **3,072 sq ft storage/warehousing.**
Charleston Naval Shipyard Federal Credit Union	**WPNSTA CHASN**	**Land lease only for location of a credit union.**
Defense Fuel Region-South DFR-S Defense Fuel Support Point CHASN	**Bldg on TC Dock (no #) + land lease for pipeline.**	**140 sq ft. Operates fuel (JP-4) storage and dispensing system for Charleston Air Force Base. ISSA**
General Dynamics	**Bldg 274**	**100 sq ft office space for vendor quality assurance representatives. MOU**
McDonalds Hamburger	**WPNSTA CHASN**	**Land lease only for location of a McDonalds restaurant.**
Mobile Mine Assembly Group Eleven	**Bldg 423** **Bldg 428**	**180 sq ft explosive magazine space.** **180 sq ft explosive magazine space. MOU**
Naval Facilities Engineering Command	**Bldg 3112**	**3,000 sq ft storage space. ISSA**
Naval Ship Weapons Systems Engineering Station	**Bldg 274**	**100 sq ft office space in support of missile operations. MOU**
Naval Undersea Warfare Center Newport, RI	**WPNSTA CHASN**	**Space for office trailers in support of the ADCAP program. ISSA**

Data Call 1: General Installation Information, BRAC 95 Data Call #1 continued
Activity: **Naval Weapons Station Charleston**

Naval Weapons Station Earle	**Bldg 36**	**120 sq ft office space in support of ordnance operations. MOU**
Naval Weapons Station Seal Beach	**Bldg 274**	**100 sq ft office space in support of missile operations. MOU**
Navy Family Services	**Bldg 786**	**5,270 sq ft office space. MOU**
Navy Relief Society	**Bldg 717**	**2,046 sq ft office and storage space. MOU**
Navy Wives Club of America	**Bldg 746**	**648 sq ft office and storage space. MOU**
Reserve Naval Mobile Construction Battalion-14	**Bldg 183**	**1,000 sq ft warehousing. MOA**
S. C. Army National Guard	**Bldg 3560**	**11,169 sq ft storage and warehousing. ISSA**
Supervisor of Ship-building and Repair Pascagoula, MS	**WPNSTA CHASN**	**Explosive forklift operation and ammunition training. MOA**
Local Cities	**N. Charleston, Hanahan, & Goose Creek**	**Assistance is received/rendered for the suppression of fires and/or HM emergencies. Mutual Fire Fighting Assistance Agreement.**
City of Goose Creek & SC State Highway Patrol	**Goose Creek**	**Agreement with Police department of the city of Goose Creek and the SC State Highway Patrol.**

Data Call 1: General Installation Information, BRAC 95 Data Call #1 continued
Activity: **Naval Weapons Station Charleston**

14. FACILITY MAPS: This is a primary responsibility of the plant account holders/host commands. Tenant activities are not required to comply with submission if it is known that your host activity has complied with the request. Maps and photos should not be dated earlier than 01 January 1991, unless annotated that no changes have taken place. Any recent changes should be annotated on the appropriate map or photo. Date and label all copies.

- Local Area Map. This map should encompass, at a minimum, a 50 mile radius of your activity. Indicate the name and location of all DoD activities within this area, whether or not you support that activity. Map should also provide the geographical relationship to the major civilian communities within this radius. (Provide 12 copies.)
- Installation Map / Activity Map / Base Map / General Development Map / Site Map. Provide the most current map of your activity, clearly showing all the land under ownership/control of your activity, whether owned or leased. Include all outlying areas, special areas, and housing. Indicate date of last update. Map should show all structures (numbered with a legend, if available) and all significant restrictive use areas/zones that encumber further development such as HERO, HERP, HERF, ESQD arcs, agricultural/forestry programs, environmental restrictions (e.g., endangered species). (Provide in two sizes: 36"x 42" (2 copies, if available); and 11"x 17" (12 copies).)
- Aerial photo(s). Aerial shots should show all base use areas (both land and water) as well as any local encroachment sites/issues. You should ensure that these photos provide a good look at the areas identified on your Base Map as areas of concern/interest - remember, a picture tells a thousand words. Again, date and label all copies. (Provide 12 copies of each, 8½"x 11".)
- Air Installations Compatible Use Zones (AICUZ) Map. (Provide 12 copies.)

ALL DATA REQUESTED IN THIS SECTION (EXCEPT AICUZ MAP - NA) ARE ATTACHED.

BRAC 95: Data Call #1 WPNSTA Charleston UIC: 00193

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

STEPHEN W. DELAPLANE
NAME (Please type or print)

SIGNATURE

Commander
TITLE

2/22/94
DATE

Naval Ordnance Center Atlantic Division
ACTIVITY

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

R. SUTTON, RADM, USN
NAME (Please type or print)

SIGNATURE

Commander
TITLE

24 FEB 94
DATE

Naval Ordnance Center
ACTIVITY

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

K. L. Malley
NAME (Please type or print)

SIGNATURE

Commander
TITLE

2/24/94
DATE

Naval Sea Systems Command
ACTIVITY

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

J. B. Greene, Jr.
NAME (Please type or print)

Signature

Acting
Title

25 FEB 1994
Date

BRAC-95 CERTIFICATION FOR DATA CALL NUMBER ONE

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

R. G. BRUCE
NAME (Please type or print)

R. G. Bruce
Signature

COMMANDING OFFICER
Title

18 FEB 1994
Date

NAVAL WEAPONS STATION CHARLESTON
Activity

DATA CALL #1 (REVISION) WPNSTA CHARLESTON

pg 7+11

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

S. W. DELAPLANE
NAME (Please type or print)

Signature

DIVISION COMMANDER
Title

7/15/94
Date

NAVAL ORDNANCE CENTER
Activity ATLANTIC DIVISION

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

J. W. EYER
NAME (Please type or print)

Signature

ACTING COMMANDER
Title

7/29/94
Date

NAVAL ORDNANCE CENTER
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

G. R. STERNER
NAME (Please type or print)

Signature

Commander
Title Naval Sea Systems Command

8-11-94
Date

Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

J. B. GREENE, JR.
NAME (Please type or print)

Signature

ACTING
Title

17 AUG 1994
Date

Revision pg 8 & 11

BRAC-95 CERTIFICATION FOR DATA CALL NUMBER ONE

Reference: SECNAVNOTE 11000 of 08 December 1993

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This certification applies to changes made to pages 8 and 11 of BRAC95 Data Call #1.

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

R. G. BRUCE
NAME (Please type or print)

R G Bruce
Signature

COMMANDING OFFICER
Title

6 Jul 1994
Date

NAVAL WEAPONS STATION CHARLESTON
Activity

NWS CHARLESTON DATA CALL #1

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

ROBERT A. REISH
NAME (Please type or print)

Signature

Acting Commander
Title

15 Nov 94
Date

Naval Ordnance Center
Atlantic Division
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

COL R. CHAMBLISS, USMC
NAME (Please type or print)

Signature

ACTING COMMANDER
Title

12/9/94
Date

NAVAL ORDNANCE CENTER
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

E. S. McGINLEY, II
Rear Admiral, U.S. Navy
NAME (Please type or print)

Signature

Title

12/15/94
Date

Acting C. R. STERNER
Commander
Naval Sea Systems Command
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

W. A. EARNER
NAME (Please type or print)

Signature

Title

1/5/95
Date

R

BRAC-95 CERTIFICATION FOR DATA CALL NUMBER ONE

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

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The following pages were changed: 3, 4, 5, & 6.

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

T. B. STARK
NAME (Please type or print)

Timothy B Stark
Signature

COMMANDING OFFICER
Title

7 Nov 94
Date

NAVAL WEAPONS STATION CHARLESTON
Activity

R

BRAC-95 CERTIFICATION FOR DATA CALL NUMBER ONE

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

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The following page was changed: 3.

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

T. B. STARK
NAME (Please type or print)


Signature

COMMANDING OFFICER
Title

10 Jan 95
Date

NAVAL WEAPONS STATION CHARLESTON
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

J. M. EVANS
NAME (Please type or print)

Signature

Commander
Title

1/11/95
Date

Naval Ordnance Center Atlantic Division
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

R. SUTTON, RADM, USN
NAME (Please type or print)

Signature

COMMANDER
Title

1/19/95
Date

NAVAL ORDNANCE CENTER
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

G. R. STERNER
Commander
Title

2-1-95
Date

Naval Sea Systems Command

Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

W. A. EARNER

NAME (Please type or print)

Signature

Title

2/17/95
Date

31 May 1994

See Revised Data Call

BRAC 95 DC25

CAPACITY DATA CALL

NAVAL WEAPONS STATION CHARLESTON

Questions for the Activities

Category	....	**Industrial Activities**
Sub-Category	....	**Naval Weapons Stations,**
	....	**Naval Magazines,** and
	....	**Strategic Weapons Facilities**
Claimants	....	**COMNAVSEASYSCOM** - Naval Weapons Stations
	....	**CINCPACFLT** - Naval Magazines (on U.S. territory)
	....	**DIRSSP** - Strategic Missile Facilities

Notes: In the context of this Data Call

1. Base your responses for FY 1994 and previous years on executed workload, and for FY 1995 and subsequent years on workload as programmed in the FY 1995 Budget Submission and POM-96. Unless otherwise specified, use workload mixes as programmed. In estimating projected workload capabilities, use the activity configuration as of completion of the BRAC-88/91/93 actions.
2. Unless otherwise specified, for questions addressing maximum workload within this Data Call, base your response on an eight hour day/five day notional work week (1-8-5). Please identify any processes which, under normal operations, operate on a different schedule. Also, identify your "40 hour" work week schedule, if different from "1-8-5".

3. "Production" equates to the number of items processed per Fiscal Year (FY), unless otherwise specified. Report Direct Labor Man Hours (DLMHs) in thousands of Man Hours, to the nearest tenth, e.g. 32.2 K DLMHs.

4. For purposes of this Data Call, Depot maintenance is regarded as the maintenance performed on material that requires major overhaul or a complete rebuild of parts, assemblies, subassemblies, and end items, including the manufacture of parts, modifications, testing, and reclamation, as required. Depot maintenance serves to support lower categories of maintenance. Depot maintenance provides stocks of serviceable equipment by using more extensive facilities for repair than are available in lower level maintenance activities. Depot or indirect maintenance functions are identified by the type of equipment maintained or repaired.

5. Report all workload performed, clearly identifying origin of all non-DON workload.
6. Mission area work (as defined in sections 1 through 7) performed by tenant activities (e.g. MOMAG) should be reported in separate, duplicate tables in the applicable sections.

If any responses are classified, so annotate the applicable question and include those responses in a separate classified annex.

This document has been prepared in WordPerfect 5.1/5.2.

Note: The Box below breaks out Defense Department Depot Maintenance and Industrial activities by Commodity Groups for further assessment. The highlighted items have been incorporated into this Data Call. If your activity performs depot work in any other area, please include such workload and so annotate your Data Call response.

Commodity Groups List

1. Aircraft Airframes:
   - Rotary
   - VSTOL
   - Fixed Wing
     - Transport / Tanker / Bomber / Command and Control
     - Light Combat
     - Admin / Training
   - Other

2. Aircraft Components
   - Dynamic Components
   - Aircraft Structures
   - Hydraulic/Pneumatic
   - Instruments
   - Landing Gear
   - Aviation Ordnance
   - Avionics/Electronics
   - APUs
   - Other

3. Engines (Gas Turbine)
   - Aircraft
   - Ship
   - Tank
   - Blades / Vanes (Type 2)

4. **Missiles and Missile Components**
   - Strategic
   - Tactical / MLRS

5. Amphibians
   - Vehicles
   - Components (less GTE)

6. Ground Combat Vehicles
   - Self-propelled
   - Tanks
   - Towed Combat Vehicles
   - Components (less GTE)

7. Ground and Shipboard Communications and Electronic Equipment
   - Radar
   - Radio Communications
   - Wire Communications
   - Electronic Warfare
   - Navigational Aids
   - Electro-Optics / Night Vision
   - Satellite Control / Space Sensors

8. Automotive / Construction Equipment

9. Tactical Vehicles
   - Tactical Automotive Vehicles
   - Components

10. **Ground General Purpose Items**
    - **Ground Support Eqpmt** (except aircraft)
    - **Small Arms / Personal Weapons**
    - **Munitions / Ordnance**
    - Ground Generators
    - **Other**

JCSG-DM: Maintenance and Industrial Activities

CAPACITY DATA CALL

NAVWPNSTAs, NAVMAGs, and STRATEGIC MISSILE FACILITIES

Questions for the Activities

Table of Contents

Table of Acronyms

ACE	Acquisition Cost of Equipment
AICUZ	Air Installations Compatibility Use Zone
Ammo	Ammunition
CADs	Cartridge Actuated Devices
CAL	Caliber
CIA	Controlled Industrial Area
CCN	Category Code Number
CHT	Collection, Holding and Transfer
CPV	Current Plant Value
Demo	Demonstration
DLMH	Direct Labor Man Hours
DM	Depot Maintenance
ESQD	Explosive Safety Quantity Distance
FMS	Foreign Military Sales
FY	Fiscal Year
GPB	General Purpose Bombs
GPD	Gallons Per Day
HE	High Explosive
HERF	Hazardous Electronic Radiation - Fuel
HERP	Hazardous Electronic Radiation - Personnel
HERO	Hazardous Electronic Radiation - Ordnance
IM	Intermediate Maintenance
IPE	Industrial Plant Equipment
ISE	In Service Engineering
JCSG-DM	Joint Cross Service Group - Depot Maintenance
KSF	Thousands of Square Feet
KVA	Kilo Volt-Ampere
LOE	Level Of Effort
MILCON	Military Construction
MLLW	Mean Low Water
MLRS	Multiple Launch Rocket System
MM	Millimeter
MOMAG	Mobile Mine Assembly Group
MRP	Maintenance of Real Property
NAVMAG	Naval Magazine
NEW	Net Explosive Weight
OOS	Out Of Service
ORD	Ordnance
ORDCEN	Ordnance Center
PACDIV	Pacific Division
PADs	Propellant Actuated Devices
PHS&T	Packaging, Handling, Storage and Transportation
PSI	Pounds Per Square Inch
Pyro	Pyrotechnics
RSSI	Receipt, Segregation, Stowage and Issue
SF	Square Feet
SMCA	Single Manager Conventional Ammunition
SOP	Standard Operating Procedures
Sub	Subsurface
Surf	Surface
SWF	Strategic Weapons Facility
TMDE	Test, Measurement, Diagnostic Equipment
UIC	Unit Identification Code
VERTREP	Vertical Replenishment
WPNSTA	Weapons Station

CAPACITY DATA CALL 25

Weapons Stations, Naval Magazines, and Strategic Missile Facilities

Questions for the Activities:

Primary Activity UIC: **00193** – Naval Weapons Station Charleston

Mission Area

1. Inventory

1.1 Historic and Predicted Workload. List by units of weapon type the quantities of all weapons that were receipted into/are programmed to be in your inventory for the period below. Report the single highest total onboard quantity in inventory for each Fiscal Year. (Report data as of 30 September of the Fiscal Year, where data is not available for the whole year.) *For each commodity, separately identify non-DoN requirements (e.g. DoN: #x / Army: #y).*

Table 1.1.a: Historic and Predicted Inventory

Ammunition / Ordnance Commodity Type	Units in Inventory (items) **(All DON)**							
	FY * 1986	FY * 1987	FY * 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Mines	NA	NA	NA	0	0	0	0	0
Torpedoes	NA	NA	NA	540	540	930	1,144	668
Air Launched Threat	NA	NA	NA	50	50	90	630	1255
Surface Launched Threat	NA	NA	NA	1,087	1,070	1,250	1,740	1490
Other Threat	NA	NA	NA	66	66	66	71	73
Expendables	NA	NA	NA	36K	36K	35K	37K	40K
INERT	NA	NA	NA	162K	162K	118K	96K	201K
CADs/PADs	NA	NA	NA	769K	769K	884K	1M	1M
Strategic Nuclear	**	**	**	**	**	**	**	**
Tactical Nuclear	**	**	**	**	**	**	**	**
LOE: Rockets	NA	NA	NA	360	360	380	300	662
LOE: Bombs	NA	NA	NA	5,080	5,080	12.6K	11.9K	11.7K
LOE: Gun Ammo (20mm-16")	NA	NA	NA	4.7M	4.7M	9.0M	8.2M	10M
LOE: Small Arms (up to 50 cal.)	NA	NA	NA	13M	13M	27M	22M	17M
LOE: Pyro/Demo	NA	NA	NA	692K	692K	387K	824K	.6M
Grenades/Mortars/Projectiles	NA	NA	NA	147K	147K	153K	173K	.2M

*** NOTE 1: Data for these years was not available.**

**** NOTE 2: Data for these functions was provided in a Secret response to BRAC 93 Data Call 29. (Ref: WPNSTA Chasn ltr 11000 05/Ser S048 of 2 Oct 92) This function was de-activated in FY 94; however, the facilities, Bldg 850, and 10 special weapons magazines are available to resume the function contingent upon finalization of the Army Strategic Mobility Logistics Base being established at WPNSTA Charleston.**

1. Inventory, continued

Table 1.1.b: Historic and Predicted Inventory

Ammunition/Ordnance Commodity Type	Units in Inventory (items) (All DON)							
	FY 1994	FY 1995	FY 1996	FY * 1997	FY * 1998	FY * 1999	FY * 2000	FY * 2001
Mines	0	0	0	0	0	0	0	0
Torpedoes	717	766	815	864	914	964	964	964
Air Launched Threat	1,887	2,519	3,151	3,783	4,415	5,048	5,048	5,048
Surface Launched Threat	1,552	1,614	1,676	1,738	1,801	1,867	1,867	1,867
Other Threat	140	208	275	343	410	478	478	478
Expendables	148K	257K	365K	474K	582K	687K	687K	687K
INERT	188K	174K	161K	147K	134K	119K	119K	119K
CADs/PADs	1M	1M	1.1M	1.1M	1.1M	1.1M	1.1M	1.1M
Strategic Nuclear **	0	0	0	0	0	0	0	0
Tactical Nuclear **	0	0	0	0	0	0	0	0
LOE: Rockets	2,164	3,666	5,169	6,671	8,173	9,676	9,676	9,676
LOE: Bombs	13.9K	16.1K	18.3K	20.5K	22.7K	25K	25K	25K
LOE: Gun Ammo (20mm-16")	10M	10M	10M	10M	10M	10M	10M	10M
LOE: Small Arms (up to 50 cal)	13.1M	16.2M	19.4M	22.5M	25.6M	29M	29M	29M
LOE: Pyro/Demo	.7M	.8M	.9M	1M	1M	1M	1M	1M
Grenades/Mortars/Projectile	207K	213K	220K	227K	233K	240K	240K	240K

*** NOTE 1: Increase is due to one hundred two magazines added to WPNSTA Charleston's plant account between 1995 and 2000. These magazines are currently used by the Polaris Missile Facility Atlantic (POMFLANT) which is a tenant scheduled for closure in 1995. The magazines will be turned over to WPNSTA Charleston during 1997 (best case) or 2000 (worst case). These magazines are environmentally controlled and all are connected to an intruder detection system. The entire area is surrounded with double fencing and perimeter lighting. Exact loading of each magazine is not available at this time.**

**** See NOTE 2 on Table 1.1.a.**

2. Stowage

2.1 Identify by units of weapon type the quantity of all weapons which can be presently stored at your facility and the maximum storage capability through FY 2001. In determining maximum capability assume (a) the current projected total workload and mix remains as assigned; (b) maximum personnel and equipment support are available; and (c) facility additions are limited to that MILCON already programmed. In distributing the overall ordnance stowage, choose the best configuration based on type of facilities available and predicted requirements.

Table 2.1: Present and Predicted Stowage Capability

Ammunition / Ordnance Commodity Type	Present Stowage Capability	Maximum Stowage Capability *
Mines	**0**	**0**
Torpedoes	**993**	**1,589**
Air Launched Threat	**5,199**	**8,314**
Surface Launched Threat	**1,923**	**3,077**
Other Threat	**492**	**787**
Expendables	**708K**	**1,133K**
INERT	**123K**	**197K**
CADs/PADs	**1.13M**	**1.8M**
Strategic Nuclear	**	**
Tactical Nuclear	**	**
LOE: Rockets	**9,966**	**15,946**
LOE: Bombs	**26K**	**42K**
LOE: Gun Ammo (20mm-16")	**10.3M**	**16,5M**
LOE: Small Arms (up to 50 cal.)	**29.9M**	**47.8M**
LOE: Pyro/Demo	**1.03M**	**1.6M**
Grenades/Mortars/Projectiles	**247K**	**395K**

*** See NOTE 1 on Table 1.1.b. Maximum storage is in compliance with NAVSEA 8024.2 and OP-5.**

**** See NOTE 2 on Table 1.1.a.**

2. Stowage, continued

2.2 Provide, by facility number, the present and predicted inventories and the maximum stowage capability in tons and square feet for each stowage facility (e.g. box, igloo) under your cognizance. Using the assumptions given in section 2.1 in predicting the outyear facility utilization, distribute your overall ordnance compliment to the most likely configuration. When listing storage by facility, group facilities by location (e.g. main base, outlying area, special area, detachment), and identify that location in the space provided. Present and Predicted Inventories' SF reports the square footage required by those inventories; Maximum Stowage SF values will indicate the total square footage available. Reproduce Table 2.2 as necessary. *If any non-DON inventory is held/programmed to be held, report that material separately from your DON stock.*

Table 2.2.a: Total Facility Capability Summary

Site: **WPNSTA Charleston (Explosive)**

Facility Number	PRESENT INVENTORY		PREDICTED INVENTORY FY 2001		MAXIMUM STOWAGE CAPABILITY	
	TONS	SQ FT	TONS	SQ FT	TONS	SQ FT
SP&P 50 Each	**14,407**	**288,140**	**19,075**	**381,500**	**12,500**	**250,000**
IGLOO 60 Each	**9,269**	**185,380**	**12,272**	**245,440**	**5,625**	**112,500**
F&D 17 Each	**22**	**440**	**29**	**580**	**119**	**2,380**
BOX 32 each	**2,841**	**56,820**	**3,762**	**75,240**	**4,889**	**97,789**
DOUBLE ARCH 1 Each	**8**	**160**	**10**	**200**	**65**	**1,300**
EXPL. * MAG. 102 Each			**	**	**	**280,573**
Total This Site	**26,547**	**530,940**	**	**702,960**	**	**744,542**

*** NOTE: These magazines are currently used by the Polaris Missile Facility Atlantic (POMFLANT) which is a tenant scheduled for closure in 1995. The magazines will be turned over to WPNSTA Charleston during 1997 (best case) or 2000 (worst case). These magazines are environmentally controlled and all are connected to an intruder detection system. The entire area is surrounded with double fencing and perimeter lighting. Exact loading of each magazines is not available at this time.**

**** Unable to predict impact of additional magazines on the inventory tonnage.**

Table 2.2.b: Total Facility Capability Summary

Site: **WPNSTA Charleston (Inert)**

Facility Number	PRESENT INVENTORY		PREDICTED INVENTORY FY 2001		MAXIMUM STOWAGE CAPABILITY	
	TONS	SQ FT	TONS	SQ FT	TONS	SQ FT
INERT 7 Each	**2,175**	**89,000**	**5,849**	**89,000**	**7,310**	**89,000**
Total This Site	**2,175**	**89,000**	**5,849**	**89,000**	**7,310**	**89,000**

2. Stowage, continued

2.3 In the table below, provide the basic characteristics of the stowage facilities under your cognizance. Identify the type of structure (e.g. box, igloo), its rated category, rated Net Explosive Weight (N.E.W.) and status of ESQD arc for each stowage facility listed above.

Table 2.3: Facility Rated Status

Facility Number / Type	Hazard Rating (1.1-1.4)	Rated N.E.W.	ESQD Arc		
			Established (Y / N)	Waiver (Y / N)	Waiver Expiration Date
0010 BOX	**1.1**	**300,000**	**Y**	**N**	**None**
0102 IGLOO	**1.1**	**25,000**	**Y**	**N**	**None**
0103 IGLOO	**1.1**	**50,000**	**Y**	**N**	**None**
0104 IGLOO	**1.1**	**20,000**	**Y**	**N**	**None**
0105 IGLOO	**1.1**	**40,000**	**Y**	**N**	**None**
0106 BOX	**1.1**	**65,000**	**Y**	**N**	**None**
0107 BOX	**1.1**	**175,000**	**Y**	**N**	**None**
0108 BOX	**1.1**	**350,000**	**Y**	**N**	**None**
0109 BOX	**1.1**	**500,000**	**Y**	**N**	**None**
0111 SP&P	**1.1**	**150,000**	**Y**	**N**	**None**
0112 SP&P	**1.1**	**150,000**	**Y**	**N**	**None**
0113 SP&P	**1.1**	**150,000**	**Y**	**N**	**None**
0114 SP&P	**1.1**	**150,000**	**Y**	**N**	**None**
0115 SP&P	**1.1**	**150,000**	**Y**	**N**	**None**
0116 SP&P	**1.1**	**150,000**	**Y**	**N**	**None**
0117 SP&P	**1.1**	**150,000**	**Y**	**N**	**None**
0118 SP&P	**1.1**	**150,000**	**Y**	**N**	**None**
0119 SP&P	**1.1**	**125,000**	**Y**	**N**	**None**

0120 SP&P	1.1	140,000	Y	N	None
0121 SP&P	1.1	80,000	Y	N	None
0122 SP&P	1.1	150,000	Y	N	None
0123 SP&P	1.1	150,000	Y	N	None
0124 SP&P	1.1	150,000	Y	N	None
0125 SP&P	1.1	150,000	Y	N	None
0126 SP&P	1.1	150,000	Y	N	None
0127 SP&P	1.1	150,000	Y	N	None
0128 SP&P	1.1	150,000	Y	N	None
0129 SP&P	1.1	200,000	Y	N	None
0130 SP&P	1.1	55,000	Y	N	None
0131 SP&P	1.1	150,000	Y	N	None
0132 SP&P	1.1	150,000	Y	N	None
0133 SP&P	1.1	150,000	Y	N	None
0134 SP&P	1.1	150,000	Y	N	None
0135 SP&P	1.1	150,000	Y	N	None
0136 SP&P	1.1	150,000	Y	N	None
0137 SP&P	1.1	150,000	Y	N	None
0138 SP&P	1.1	55,000	Y	N	None
0139 SP&P	1.1	20,000	Y	N	None
0140 SP&P	1.1	60,000	Y	N	None
0141 SP&P	1.1	125,000	Y	N	None
0142 SP&P	1.1	150,000	Y	N	None
0143 SP&P	1.1	150,000	Y	N	None
0144 SP&P	1.1	150,000	Y	N	None
0145 SP&P	1.1	150,000	Y	N	None
0146 SP&P	1.1	95,000	Y	N	None
0147 SP&P	1.1	42,000	Y	N	None

0148 SP&P	1.1	30,000	Y	N	None
0149 SP&P	1.1	95,000	Y	N	None
0150 SP&P	1.1	125,000	Y	N	None
0151 SP&P	1.1	150,000	Y	N	None
0152 SP&P	1.1	140,000	Y	N	None
0153 SP&P	1.1	140,000	Y	N	None
0154 SP&P	1.1	160,000	Y	N	None
0155 SP&P	1.1	150,000	Y	N	None
0156 SP&P	1.1	120,000	Y	N	None
0157 SP&P	1.1	18,500	Y	N	None
0158 SP&P	1.1	80,000	Y	N	None
0159 SP&P	1.1	130,000	Y	N	None
0160 SP&P	1.1	120,000	Y	N	None
0192 BOX	1.1	500,000	Y	N	None
0193 BOX	1.1	500,000	Y	N	None
0194 BOX	1.1	500,000	Y	N	None
0211 IGLOO	1.1	180,000	Y	N	None
0212 IGLOO	1.1	200,000	Y	N	None
0213 IGLOO	1.1	225,000	Y	N	None
0214 IGLOO	1.1	350,000	Y	N	None
0215 IGLOO	1.1	500,000	Y	N	None
0216 IGLOO	1.1	175,000	Y	N	None
0217 IGLOO	1.1	475,000	Y	N	None
0218 IGLOO	1.1	500,000	Y	N	None
0219 IGLOO	1.1	500,000	Y	N	None
0220 IGLOO	1.1	125,000	Y	N	None
0221 IGLOO	1.1	100,000	Y	N	None
0222 IGLOO	1.1	100,000	Y	N	None

0223 IGLOO	1.1	250,000	Y	N	None
0224 IGLOO	1.1	250,000	Y	N	None
0225 IGLOO	1.1	250,000	Y	N	None
0226 IGLOO	1.1	250,000	Y	N	None
0227 BOX	1.1	350,000	Y	N	None
0231 IGLOO	1.1	500,000	Y	N	None
0232 IGLOO	1.1	325,000	Y	N	None
0233 IGLOO	1.1	425,000	Y	N	None
0234 IGLOO	1.1	300,000	Y	N	None
0235 IGLOO	1.1	450,000	Y	N	None
0236 IGLOO	1.1	325,000	Y	N	None
0237 IGLOO	1.1	225,000	Y	N	None
0238 IGLOO	1.1	325,000	Y	N	None
0239 IGLOO	1.1	225,000	Y	N	None
0240 IGLOO	1.1	200,000	Y	N	None
0241 IGLOO	1.1	275,000	Y	N	None
0242 IGLOO	1.1	275,000	Y	N	None
0243 IGLOO	1.1	275,000	Y	N	None
0244 IGLOO	1.1	400,000	Y	N	None
0245 IGLOO	1.1	400,000	Y	N	None
0246 IGLOO	1.1	400,000	Y	N	None
0247 IGLOO	1.1	400,000	Y	N	None
0248 IGLOO	1.1	450,000	Y	N	None
0249 IGLOO	1.1	190,000	Y	N	None
0250 IGLOO	1.1	300,000	Y	N	None
0251 IGLOO	1.1	180,000	Y	N	None
0252 IGLOO	1.1	180,000	Y	N	None
0253 IGLOO	1.1	175,000	Y	N	None

0254 IGLOO	1.1	180,000	Y	N	None
0255 IGLOO	1.1	160,000	Y	N	None
0256 IGLOO	1.1	160,000	Y	N	None
0257 IGLOO	1.1	160,000	Y	N	None
0258 IGLOO	1.1	200,000	Y	N	None
0259 IGLOO	1.1	225,000	Y	N	None
0260 IGLOO	1.1	225,000	Y	N	None
0261 IGLOO	1.1	275,000	Y	N	None
0262 IGLOO	1.1	200,000	Y	N	None
0263 IGLOO	1.1	140,000	Y	N	None
0264 IGLOO	1.1	250,000	Y	N	None
0265 IGLOO	1.1	190,000	Y	N	None
0266 IGLOO	1.1	140,000	Y	N	None
0267 IGLOO	1.1	200,000	Y	N	None
0268 IGLOO	1.1	140,000	Y	N	None
0269 IGLOO	1.1	140,000	Y	N	None
0270 IGLOO	1.1	150,000	Y	N	None
0282 BOX	1.1	80,000	Y	N	None
0283 BOX	1.1	80,000	Y	N	None
0401 F&D	1.1	450	Y	N	None
0402 F&D	1.1	450	Y	N	None
0411 F&D	1.1	15,000	Y	N	None
0412 F&D	1.1	15,000	Y	N	None
0413 F&D	1.1	15,000	Y	N	None
0414 F&D	1.1	15,000	Y	N	None
0415 F&D	1.1	15,000	Y	N	None
0416 F&D	1.1	15,000	Y	N	None
0417 F&D	1.1	450	Y	N	None

0421 F&D	1.1	15,000	Y	N	None
0422 F&D	1.1	15,000	Y	N	None
0423 F&D	1.1	15,000	Y	N	None
0424 F&D	1.1	15,000	Y	N	None
0425 F&D	1.1	15,000	Y	N	None
0426 F&D	1.1	15,000	Y	N	None
0427 F&D	1.1	15,000	Y	N	None
0428 F&D	1.1	15,000	Y	N	None
0441 BOX	1.1	80,000	Y	N	None
931 DBL ARCH	1.1	60,000	Y	N	None
2320 BOX	1.1	80,000	Y	N	None
2321 BOX	1.1	500,000	Y	N	None
2322 BOX	1.1	500,000	Y	N	None
2323 BOX	1.1	80,000	Y	N	None
1AC1 Expl. Mag	1.1	100,000	Y	N	None
1AC2 Expl. Mag	1.1	100,000	Y	N	None
1AC3 Expl. Mag	1.1	100,000	Y	N	None
1AC4 Expl. Mag	1.1	100,000	Y	N	None
1AC5 Expl. Mag	1.1	100,000	Y	N	None
1AC6 Expl. Mag	1.1	100,000	Y	N	None
1AC7 Expl. Mag	1.1	100,000	Y	N	None
2AC8 Expl. Mag	1.1	100,000	Y	N	None
2AC9 Expl. Mag	1.1	100,000	Y	N	None
2AC10 Expl. Mag	1.1	100,000	Y	N	None
2AC11 Expl. Mag	1.1	100,000	Y	N	None
2AC12 Expl. Mag	1.1	100,000	Y	N	None
2AC13 Expl. Mag	1.1	100,000	Y	N	None
2AC14 Expl. Mag	1.1	100,000	Y	N	None

2AC14 Expl. Mag	1.1	100,000	Y	N	None
3AC15 Expl. Mag	1.1	100,000	Y	N	None
3AC16 Expl. Mag	1.1	100,000	Y	N	None
3AC17 Expl. Mag	1.1	100,000	Y	N	None
3AC18 Expl. Mag	1.1	100,000	Y	N	None
3AC19 Expl. Mag	1.1	100,000	Y	N	None
3AC20 Expl. Mag	1.1	100,000	Y	N	None
4AC21 Expl. Mag	1.1	20,000	Y	N	None
4AC23 Expl. Mag	1.1	100,000	Y	N	None
4AC24 Expl. Mag	1.1	100,000	Y	N	None
4AC25 Expl. Mag	1.1	100,000	Y	N	None
5AC26 Expl. Mag	1.1	20,000	Y	N	None
5AC27 Expl. Mag	1.1	20,000	Y	N	None
5AC28 Expl. Mag	1.1	20,000	Y	N	None
5AC29 Expl. Mag	1.1	100,000	Y	N	None
5AC30 Expl. Mag	1.1	100,000	Y	N	None
5AC31 Expl. Mag	1.1	100,000	Y	N	None
5AC32 Expl. Mag	1.1	100,000	Y	N	None
6AC33 Expl. Mag	1.1	20,000	Y	N	None
6AC34 Expl. Mag	1.1	20,000	Y	N	None
6AC35 Expl. Mag	1.1	20,000	Y	N	None
6AC36 Expl. Mag	1.1	125,000	Y	N	None
6AC37 Expl. Mag	1.1	125,000	Y	N	None
6AC38 Expl. Mag	1.1	125,000	Y	N	None
7AC39 Expl. Mag	1.1	20,000	Y	N	None
7AC40 Expl. Mag	1.1	20,000	Y	N	None
7AC41 Expl. Mag	1.1	20,000	Y	N	None
7AC42 Expl. Mag	1.1	125,000	Y	N	None

7AC43 Expl. Mag	1.1	125,000	Y	N	None
7AC44 Expl. Mag	1.1	125,000	Y	N	None
8AC45 Expl. Mag	1.1	125,000	Y	N	None
8AC46 Expl. Mag	1.1	125,000	Y	N	None
8AC47 Expl. Mag	1.1	125,000	Y	N	None
8AC48 Expl. Mag	1.1	125,000	Y	N	None
8AC49 Expl. Mag	1.1	125,000	Y	N	None
8AC50 Expl. Mag	1.1	125,000	Y	N	None
9XC51 Expl. Mag	1.1	217,000	Y	N	None
9XC52 Expl. Mag	1.1	217,000	Y	N	None
9XC53 Expl. Mag	1.1	217,000	Y	N	None
9XC54 Expl. Mag	1.1	217,000	Y	N	None
9XC55 Expl. Mag	1.1	217,000	Y	N	None
10XC56 Expl. Mag	1.1	246,200	Y	N	None
10XC57 Expl. Mag	1.1	246,200	Y	N	None
10XC58 Expl. Mag	1.1	246,200	Y	N	None
10XC59 Expl. Mag	1.1	246,200	Y	N	None
10XC60 Expl. Mag	1.1	246,200	Y	N	None
11XC61 Expl. Mag	1.1	246,200	Y	N	None
11XC62 Expl. Mag	1.1	246,200	Y	N	None
11XC63 Expl. Mag	1.1	246,200	Y	N	None
13A870 Expl. Mag	1.1	277,900	Y	N	None
13A871 Expl. Mag	1.1	277,900	Y	N	None
13A872 Expl. Mag	1.1	277,900	Y	N	None
13A873 Expl. Mag	1.1	277,900	Y	N	None
13A874 Expl. Mag	1.1	277,900	Y	N	None
14A875 Expl. Mag	1.1	277,900	Y	N	None
14A876 Expl. Mag	1.1	277,900	Y	N	None

14A877 Expl. Mag	1.1	277,900	Y	N	None
14A878 Expl. Mag	1.1	277,900	Y	N	None
14A879 Expl. Mag	1.1	277,900	Y	N	None
14A880 Expl. Mag	1.1	277,900	Y	N	None
15A881 Expl. Mag	1.1	325,000	Y	N	None
15A882 Expl. Mag	1.1	325,000	Y	N	None
15A883 Expl. Mag	1.1	325,000	Y	N	None
15A884 Expl. Mag	1.1	325,000	Y	N	None
15A885 Expl. Mag	1.1	325,000	Y	N	None
15A886 Expl. Mag	1.1	325,000	Y	N	None
15A887 Expl. Mag	1.1	325,000	Y	N	None
15A888 Expl. Mag	1.1	325,000	Y	N	None
15A889 Expl. Mag	1.1	325,000	Y	N	None
15A890 Expl. Mag	1.1	325,000	Y	N	None
15A891 Expl. Mag	1.1	277,900	Y	N	None
5A352 Expl. Mag	1.1	100,000	Y	N	None
5A357 Expl. Mag	1.1	100,000	Y	N	None
6A866[10] Box	1.1	20,000	Y	N	None
6A845 Box	1.1	91,000	Y	N	None
6A846 Box	1.1	91,000	Y	N	None
8A453[11] Box	1.1	1,900	Y	N	None
3A368 Expl. Mag	1.1	100,000	Y	N	None
3A369 Expl. Mag	1.1	100,000	Y	N	None
5A372 Expl. Mag	1.1	100,000	Y	N	None
5A374 Expl. Mag	1.1	100,000	Y	N	None

[10] This facility includes four magazines.

[11] This facility includes 10 magazines.

15A382 Expl. Mag	1.1	325,000	Y	N	None
15A388 Expl. Mag	1.1	325,000	Y	N	None
12A800 Expl. Mag	1.1	125,000	Y	N	None
12A801 Expl. Mag	1.1	125,000	Y	N	None
12A802 Expl. Mag	1.1	125,000	Y	N	None
12A803 Expl. Mag	1.1	125,000	Y	N	None
12A804 Expl. Mag	1.1	125,000	Y	N	None

2.4 Provide details of your calculations and the assumptions made to determine the differences reported in Table 2.2. between present and maximum capability, including assumptions on additional space utilized, major equipment required, production rates, and constraint that limit increased stowage workload at this activity. Indicate by Fiscal Year (FY) when programmed MILCON will increase your stowage capability and by how much. Specify any factors that significantly inhibit this facility realizing its maximum storage capability (e.g. condition of storage facilities, personnel to maintain necessary operations, operating equipment, ESQD limits, environmental constraints, physical security, etc.).

One hundred two magazines will be added to WPNSTA Charleston's plant account between 1995 and 2000. These magazines are currently used by the Polaris Missile Facility Atlantic (POMFLANT) which is a tenant scheduled for closure in 1995. The magazines will be turned over to WPNSTA Charleston during 1997 (best case) or 2000 (worst case). These magazines are environmentally controlled and all are connected to an intruder detection system. The entire area is surrounded with double fencing and perimeter lighting. Exact loading of each magazine is not available at this time.

No additional magazines are programmed for MILCON.

2.5 For each inhibiting item identified in question 2.4, assess a cost or impact of eliminating the inhibitor, the Fiscal Year (FY) in which such elimination would be completed, and the quantity increase in storage capability realized (express in terms of tons and square feet).

Not Applicable.

2.6 Are there any environmental, legal, or otherwise limiting factors that inhibit further the development of ordnance stowage at this activity (AICUZ encroachment, pollutant discharge, etc.)?

No known limiting factors have been identified.

Mission Area

3. Throughput

3.1 Based on current programmed workload and mix, identify the current outload requirements for each commodity type of each munition stored at this facility, in each of the following operational scenarios. Provide Unit Throughput as available.

Table 3.1.a: Over-The-Pier Throughput Requirements

Munitions Type	Throughput Requirement (Tons/Day)		
	Peacetime Operations	Mobilization	Sustainment
LOE	**43**	**196**	**391**
Threat	**30**	**135**	**270**
Nuclear Threat *	**0**	**0**	**0**
Other	**2**	**7**	**14**

Table 3.1.b: Over-The-Pier Throughput Requirements

Munitions Type	Throughput Requirement (Lifts/Day)		
	Peacetime Operations	Mobilization	Sustainment
LOE	**57**	**261**	**521**
Threat	**40**	**180**	**360**
Nuclear Threat *	**0**	**0**	**0**
Other	**3**	**9**	**19**

See NOTE 2 on Table 1.1.a.

3. Throughput, continued

3.2 Identify the throughput in Tons for your facility as rated, as required under the operational conditions specified, and as executed or programmed for requested Fiscal Years. In determining your maximum rated capability, assume: (a) the current projected total workload and mix remains as assigned; (b) maximum personnel and equipment support are available; and (c) facility additions are limited to that MILCON already programmed. In distributing the overall ordnance requirement, choose the best configuration based on type of facilities available and predicted requirements. In the space provided below Table 3.2.a, detail the basis for your calculations of your maximum rated capability. If the Fiscal Years sampled in Table 3.2.b do not reflect your highest and lowest levels of activity for the period FY 1986-2001, add those years in the space provided.

Table 3.2.a: Throughput in Tons

		PIER	VERTREP	RAIL	TRUCK
Maximum Rated Capability (Annual 1-8-5) (250 operational days)	LOE	29,000	0	11,844	31,175
	Threat	20,000	0	625	21,500
	Nuclear Threat **	0	0	0	0
	Other	1,000	0	31	1,075
Requirement (Peacetime Operations) (Daily 1-8-5)	LOE	43	0	10	94
	Threat	30	0	8	68
	Nuclear Threat **	0	0	0	0
	Other	2	0	1	3
Requirement (Mobilization)* (Daily 1-12-7)	LOE	196	0	23	208
	Threat	135	0	16	193
	Nuclear Threat **	0	0	0	0
	Other	7	0	1	7
Requirement (Sustainment)* (Daily 3-8-7)	LOE	391	0	58	403
	Threat	270	0	40	278
	Nuclear Threat **	0	0	0	0
	Other	14	0	2	14

* It is recognized the Mobilization and Sustainment requirements reflect a higher state of operations and readiness, and that the associated work period may well exceed the "1-8-5".

**** See NOTE 2 on Table 1.1.a.**

Data Source: **Maximum rated capability based on Station Mobilization Plan, with commodity split based on corporate knowledge of RSS&I planners.**

3. Throughput, continued

Table 3.2.b: Historic and Predicted Throughput in Tons

		PIER	VERTREP	RAIL	TRUCK
FY 1986 (Executed)	LOE	**9,085**	**0**	**2,690**	**24,213**
	Threat	**6,264**	**0**	**1,856**	**16,699**
	Nuclear Threat	*	**0**	*	*
	Other	**313**	**0**	**93**	**835**
FY 1991 (Executed)	LOE	**10,100**	**0**	**1,886**	**16,976**
	Threat	**6,965**	**0**	**1,301**	**11,707**
	Nuclear Threat	*	**0**	*	*
	Other	**348**	**0**	**65**	**585**
FY 1994 (Executed)	LOE	**11,471**	**0**	**2,737**	**24,629**
	Threat	**7,910**	**0**	**1,887**	**16,985**
	Nuclear Threat	**0**	**0**	**0**	**0**
	Other	**2,876**	**0**	**94**	**849**

*** See NOTE 2 on Table 1.1.a.**

3. Throughput, continued

Table 3.2.c: Historic and Predicted Throughput in Tons

		PIER	VERTREP	RAIL	TRUCK
FY 1997 (Programmed)	LOE	**5,994**	**0**	**3,265**	**29,391**
	Threat	**4,134**	**0**	**2,252**	**20,270**
	Nuclear Threat *	**0**	**0**	**0**	**0**
	Other	**4,207**	**0**	**113**	**1,013**
FY 2001 (Programmed)	LOE	**4,343**	**0**	**3,265**	**29,391**
	Threat	**2,996**	**0**	**2,252**	**20,270**
	Nuclear Threat *	**0**	**0**	**0**	**0**
	Other	**4,150**	**0**	**113**	**1,013**
FY: NA Minimum Outload Workload	LOE				
	Threat				
	Nuclear Threat				
	Other				
FY: NA Maximum Outload Workload	LOE				
	Threat				
	Nuclear Threat				
	Other				

See NOTE 2 on Table 1.1.a.

3. Throughput, continued

3.3 Identify the annual throughput, by type of receiving vessel, in short tons, for the period requested. Specify all non-DON recipients of ordnance from your activity (e.g. Army, FMS).

Table 3.3.a: Historic/Programmed Ordnance Throughput Capability

Type of Ship		Annual Short Tons Throughput							
		FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Combatants	CV/ CVN	0	0	0	0	0	0	0	0
	Other	7,863	9,123	9,114	7,257	10,623	8,077	6,662	5,433
Navy Bulk (AE, AOE, AOR, etc.)		7,799	5,072	10,067	9,464	9,613	9,336	7,172	6,441
Navy Amphibious		0	0	0	0	0	0	0	0
Other Break Bulk		0	0	0	0	0	0	0	0
Container Ship		0	0	0	0	0	0	0	0

3. Throughput, continued

Table 3.3.b: Historic/Programmed Ordnance Throughput Capability

Type of Ship		Annual Short Tons Throughput							
		FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Combatants	CV/ CVN	0	0	0	0	0	0	0	0
	Other	8,661	7,739	6,275	9,572	6,737	6,737	6,737	6,737
Navy Bulk (AE, AOE, AOR, etc.)		11,096	2,346	773	763	752	752	752	752
Navy Amphibious		0	0	0	0	0	0	0	0
Other Break Bulk		0	0	0	0	0	0	0	0
Container Ship (Army)		2,500	0	4,000	4,000	4,000	4,000	4,000	4,000

3. Throughput, continued

3.4 Assuming (a) the current projected total workload and mix remains as assigned; (b) that sufficient demand is available to justify maximum hiring, optimum procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed: what is the maximum extent to which this activity could expand the ordnance outload conducted, based on the current and future planned workload mixes? Please provide your response in annual throughput, by type of receiving vessel, in short tons, that could be accomplished at this facility for the period requested.

Table 3.4: Maximum Potential Ordnance Throughput Capability

Type of Ship		Short Tons Throughput (Daily, 3-8-7)						
		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Combatants	CV / CVN	0	0	0	0	0	0	0
	Other	351	351	351	351	351	351	351
Navy Bulk (AE, AOE, AOR, etc.)		324	324	324	324	324	324	324
Navy Amphibious		0	0	0	0	0	0	0
Other Break Bulk		0	0	0	0	0	0	0
Container Ship (Army)		0	.5	.5	.5	.5	.5	.5

3. Throughput, continued

3.5 Provide details of the calculations used to complete Tables 3.4, including assumptions on additional space utilized, major equipment required, production rates, and constraint that limit increased outload workload at this activity.

Maximum Potential Ordnance Throughput Capability based on station mobilization plan, utilizing Pier Bravo (2 berths) and Wharf Alpha (2 berths). Estimate 52% of pier operations would be Combatants and 48% AE's. No additional major equipment is required. Berthing availability is limiting constraint.

3.6 Given an environment unconstrained by funds or manning, what Industrial Plant Equipment (IPE) would you change (add, delete, or modify) to increase your activity's capability to perform ordnance outloads? What other investments in the industrial infrastructure would you make to increase activity outload capabilities? Describe quantitatively how the changes above would increase your activity's capabilities. What would the associated costs be? What would be the payback period and return on investment?

Other infrastructure investment to increase our activity's outload capability is to replace Pier C with a Drive On/Drive Off Wharf which would permit additional ships to be serviced simultaneously. Actual cost and payback information is unknown.

Put a container crane on Wharf Alpha to increase outload capability of bulk cargo/MILVANs.

3.7 Are there any ultimate and overriding limiting factors to expansion of this activity's outloading workload? If so, what are they?

No known limiting factors have been identified.

3.8 Are there any environmental, legal, or otherwise limiting factors that inhibit further the development of ordnance outloading at this activity (AICUZ encroachment, pollutant discharge, etc.)?

No known limiting factors have been identified.

Mission Area

4. Maintenance and Testing

4.1 By units of ordnance type and by DLMHs, identify what maintenance and testing has been or is programmed to be performed at this location for the period requested. Report depot-level maintenance as a separate line from intermediate-level maintenance.

Table 4.1.a: Historic and Predicted Maintenance and Testing Workload

Ordnance Type	Units Throughput (All ILM unless otherwise noted)							
	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Mines	0	0	0	0	0	0	0	0
Torpedoes	1,314	1,502	1,220	594	601	135	104	11
Air Launched Threat	0	0	118	0	0	0	23	0
Surface Launched Threat	854	967	1,815	995	729	816	968	956
Other Threat	0	10	60	41	77	137	108	161
Expendables	0	549	153	268	3,249	398	68	1,256
Expendables DLM	0	0	222	104	0	0	0	0
INERT	1,442	3,139	3,435	0	75	1,465	632	8
INERT-SMS DLM	2,704	3,315	3,610	3,908	2,718	1,413	1,541	657
INERT-MK 48 DLM	1,686	2,032	1,765	1,994	1,974	1,309	1,033	839
INERT-MK 46 DLM	429	387	423	610	673	619	463	266
INERT-ASROC DLM	257	181	229	265	233	277	61	63
INERT-MPF DLM	0	0	0	0	0	0	0	295
INERT-MPF DLM-Army	0	0	0	0	0	0	0	0
CADs/PADs	0	0	0	0	0	0	0	0
Strategic Nuclear	*	*	*	*	*	*	*	*
Tactical Nuclear	*	*	*	*	*	*	*	*
LOE: Rockets	0	0	1,318	0	522	526	0	0
LOE: Bombs	0	1,609	15,537	5,521	1,043	1,005	0	5,169
LOE: Gun Ammo (20mm-16")	19,009	63,071	90,271	306,090	45,247	67,926	15,106	367
LOE: Small Arms (up to 50 cal)	104	0	164,677	0	0	0	52,410	0
LOE: Pyro/Demo	0	0	5,354	2,062	0	0	480	0
Grenades/Mortars/Projectiles	0	0	0	0	0	0	17,491	59,665
Grenades/Mortars/Projectiles-DLM	0	33,500	929	0	0	0	0	0
Other: Demil (Tons)	NA	NA	NA	NA	28.4	20.3	38.1	745.8
Total:	27.8K	110K	291K	322K	57.2K	76.0K	90.5K	70K

* See NOTE 2 on Table 1.1.a.

4. Maintenance and Testing, continued

Table 4.1.b: Historic and Predicted Maintenance and Testing Workload

Ordnance Type	Units Throughput (All ILM unless otherwise noted)							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Mines	0	0	0	0	0	0	0	0
Torpedoes	7	0	0	0	0	0	0	0
Air Launched Threat	0	0	0	0	0	0	0	0
Surface Launched Threat	839	1,221	1,116	1,066	1,027	921	921	921
Other Threat	257	491	499	430	622	460	460	460
Expendables	6	151	151	151	151	151	151	151
INERT	464	376	376	376	376	376	376	376
INERT-SMS DLM	615	615	615	615	615	615	615	615
INERT-MK 48 DLM	690	640	600	575	575	575	575	575
INERT-MK 46 DLM	180	180	180	180	180	180	180	180
INERT-ASROC DLM	40	0	0	0	0	0	0	0
INERT-MPF DLM	675	675	675	675	675	675	675	675
INERT-MPF DLM-Army	11	0	392	392	392	392	392	392
CADs/PADs	0	0	0	0	0	0	0	0
Strategic Nuclear *	0	0	0	0	0	0	0	0
Tactical Nuclear *	0	0	0	0	0	0	0	0
LOE: Rockets	0	0	0	0	0	0	0	0
LOE: Bombs DLM	0	375	0	0	0	0	0	0
LOE: Bombs	4,557	14,250	5,200	5,200	5,200	5,200	5,200	5,200
LOE: Gun Ammo (20mm-16")	0	14,000	14,000	14,000	14,000	14,000	14,000	14,000
LOE: Small Arms (up to 50 cal)	52,000	52,000	52,000	52,000	52,000	52,000	52,000	52,000
LOE: Pyro/Demo	0	0	0	0	0	0	0	0
Grenades/Mortars/Projectiles	14,011	50,000	50,000	50,000	50,000	50,000	50,000	50,000
Other: Demil (Tons)	787	750	750	750	750	750	750	750
Total:	75.1K	136K	127K	126K	127K	126K	126K	126K

*** See NOTE 2 on Table 1.1.a.**

4. Maintenance and Testing, continued

Table 4.1.c: Historic and Predicted Maintenance and Testing Workload

Ordnance Type	DLMHs (In 000's) (All ILM unless otherwise noted)							
	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Mines	0	0	0	0	0	0	0	0
Torpedoes	NA	NA	NA	NA	NA	33.3	20.9	5.7
Air Launched Threat	0	0	.2	0	0	0	.1	0
Surface Launched Threat	NA	NA	74.7	72.0	47.1	57.2	66.1	49.6
Other Threat	0	NA	3.7	2.8	5.5	7.2	5.6	5.1
Expendables	0	7.4	7.2	7.6	9.7	9.7	8.7	7.5
Expendables DLM	0	0	.1	.3	0	0	0	0
INERT	2.1	2.2	4.8	0	.1	.5	.6	.1
INERT-SMS DLM	2.9	4.5	7.1	5.2	3.8	1.9	2.2	1.3
INERT-MK 48 DLM	25.9	22.4	19.5	21.9	19.5	13.0	9.4	8.1
INERT-MK 46 DLM	2.6	3.3	1.8	3.1	4.1	3.3	2.7	1.6
INERT-ASROC DLM	1.9	1.3	1.2	1.8	1.7	2.1	.5	.5
INERT-MPF DLM	0	0	0	0	0	0	0	1.2
INERT-MPF DLM-Army	0	0	0	0	0	0	0	0
CADs/PADs	0	0	0	0	0	0	0	0
Strategic Nuclear	*	*	*	*	*	*	*	*
Tactical Nuclear	*	*	*	*	*	*	*	*
LOE: Rockets	0	0	.5	0	.2	.5	0	0
LOE: Bombs	0	3.3	1.4	15.9	4.4	1.9	0	8.4
LOE: Gun Ammo (20mm-16")	13.0	9.8	8.0	1.5	1.5	1.1	.6	.3
LOE: Small Arms (up to 50 cal)	.4	0	.9	0	0	0	.2	0
LOE: Pyro/Demo	0	0	.6	.3	0	0	.2	0
Grenades/Mortars/Projectiles	0	0	0	0	0	0	2.3	6.4
Grenades/Mortars/Projectiles DLM	0	1.6	.2	0	0	0	0	0
Other: Demil (NA=Not Available)	NA	NA	NA	NA	15.6	15.6	17.5	17.9
Total:	48.8	55.8	131.9	132.4	113.2	147.3	137.6	113.7

* See NOTE 2 on Table 1.1.a.

4. Maintenance and Testing, continued

Table 4.1.d: Historic and Predicted Maintenance and Testing Workload

Ordnance Type	DLMHs (In 000's) (All ILM unless otherwise noted)							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Mines	0	0	0	0	0	0	0	0
Torpedoes	3.3	0	0	0	0	0	0	0
Air Launched Threat	0	0	0	0	0	0	0	0
Surface Launched Threat	53.5	61.6	58.0	56.2	55.0	51.6	51.6	51.6
Other Threat	8.7	16.7	17.0	14.6	21.1	15.6	15.6	15.6
Expendables	2.1	.6	.6	.6	.6	.6	.6	.6
INERT	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3
INERT-SMS DLM	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
INERT-MK 48 DLM	7.1	6.5	6.1	5.9	5.9	5.9	5.9	5.9
INERT-MK 46 DLM	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
INERT-ASROC DLM	.2	0	0	0	0	0	0	0
INERT-MPF DLM	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
INERT-MPF DLM-Army	.1	0	4.5	4.5	4.5	4.5	4.5	4.5
CADs/PADs	0	0	0	0	0	0	0	0
Strategic Nuclear *	0	0	0	0	0	0	0	0
Tactical Nuclear *	0	0	0	0	0	0	0	0
LOE: Rockets	0	0	0	0	0	0	0	0
LOE: Bombs	6.3	30.3	9.8	9.8	9.8	9.8	9.8	9.8
LOE: Bombs DLM	0	1.8	0	0	0	0	0	0
LOE: Gun Ammo (20mm-16")	0	10.1	10.1	10.1	10.1	10.1	10.1	10.1
LOE: Small Arms (up to 50 cal)	.4	.4	.4.	.4	.4	.4	.4	.4
LOE: Pyro/Demo	0	0	0	0	0	0	0	0
Grenades/Mortars/Projectiles	1.5	4.3	4.3	4.3	4.3	4.3	4.3	4.3
Other: Demil	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7
Total:	112.5	161.7	140.2	135.8	141.1	132.2	132.2	132.2

*** See NOTE 2 on Table 1.1.a.**

4. Maintenance and Testing, continued

4.2 Assuming (a) the current projected total workload remains as assigned; (b) that sufficient demand is available to justify maximum hiring, optimum procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed: what is the maximum extent to which this activity could expand the maintenance and testing conducted, based on the current and future planned workload mixes? Please provide your response in the absolute number of units throughput and DLMHs that could be accomplished at this facility. Report depot-level maintenance as a separate line from intermediate maintenance.

Table 4.2.a: Maximum Potential Maintenance and Testing Workload

Ordnance Type	Units Throughput **(All ILM unless otherwise noted)**						
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Mines	0	0	0	0	0	0	0
Torpedoes	0	0	0	0	0	0	0
Air Launched Threat	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Surface Launched Threat	1,991	1,991	1,991	1,991	1,991	1,991	1,991
Other Threat	500	500	500	500	500	500	500
Expendables	35,150	35,150	35,150	35,150	35,150	35,150	35,150
Expendables DLM	3,550	3,550	3,500	3,500	3,550	3,500	3,500
INERT	16,500	16,500	16,500	16,500	16,500	16,500	16,500
INERT-SMS DLM	1,815	1,815	1,815	1,815	1,815	1,815	1,815
INERT-MK 48 DLM	1,800	1,800	1,800	1,800	1,800	1,800	1,800
INERT-MK 46 DLM	501	501	501	501	501	501	501
INERT-ASROC DLM	0	0	0	0	0	0	0
INERT-MPF DLM	1,200	1,200	1,200	1,200	1,200	1,200	1,200
INERT-MPF DLM-Army	810	810	810	810	810	810	810
CADs/PADs	0	0	0	0	0	0	0
Strategic Nuclear *	0	0	0	0	0	0	0
Tactical Nuclear *	0	0	0	0	0	0	0
LOE: Rockets	57,000	57,000	57,000	57,000	57,000	57,000	57,000
LOE: Bombs	10,000	10,000	10,000	10,000	10,000	10,000	10,000
LOE: Bombs DLM	1,010	1,010	1,010	1,010	1,010	1,010	1,010
LOE: Gun Ammo (20mm-16")	78,000	78,000	78,000	78,000	78,000	78,000	78,000

LOE: Small Arms (up to 50 cal)	17.5M	17.5M	17.5M	17.5M	17.5M	17.5M	17.5M
LOE: Pyro/Demo	77,500	77,500	77,500	77,500	77,500	77,500	77,500
Grenades/Mortars/Projectiles	69,300	69,300	69,300	69,300	69,300	69,300	69,300
Grenades/Mortars/Projectiles DLM	7,000	7,000	7,000	7,000	7,000	7,000	7,000
Other: Demil	4,800	4,800	4,800	4,800	4,800	4,800	4,800
Total:	17.9M	17.9M	17.9M	17.9M	17.9M	17.9M	17.9M

NOTE: LOE and expendable capabilities reflect quantity for specific families of items. Normal workload/throughput will consist of a mix of all items with varied statements of work which would dictate total throughput.

*** See NOTE 2 on Table 1.1.a.**

4. Maintenance and Testing, continued

Table 4.2.b: Maximum Potential Maintenance and Testing Workload

Ordnance Type	DLMHs (In 000's) (All ILM unless otherwise noted)						
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Mines	0	0	0	0	0	0	0
Torpedoes	0	0	0	0	0	0	0
Air Launched Threat	3.6	3.6	3.6	3.6	3.6	3.6	3.6
Surface Launched Threat	100.5	100.5	100.5	100.5	100.5	100.5	100.5
Other Threat	17.0	17.0	17.0	17.0	17.0	17.0	17.0
Expendables	22.5	22.5	22.5	22.5	22.5	22.5	22.5
Expendables DLM	3.6	3.6	3.6	3.6	3.6	3.6	3.6
INERT	23.2	23.2	23.2	23.2	23.2	23.2	23.2
INERT-SMS DLM	3.9	3.9	3.9	3.9	3.9	3.9	3.9
INERT-MK 48 DLM	18.6	18.6	18.6	18.6	18.6	18.6	18.6
INERT-MK 46 DLM	2.6	2.6	2.6	2.6	2.6	2.6	2.6
INERT-ASROC DLM	0	0	0	0	0	0	0
INERT-MPF DLM	13.2	13.2	13.2	13.2	13.2	13.2	13.2
INERT-MPF-Army	9.3	9.3	9.3	9.3	9.3	9.3	9.3
CADs/PADs	0	0	0	0	0	0	0
Strategic Nuclear *	0	0	0	0	0	0	0
Tactical Nuclear *	0	0	0	0	0	0	0
LOE: Rockets	29.8	29.8	29.8	29.8	29.8	29.8	29.8
LOE: Bombs	20.4	20.4	20.4	20.4	20.4	20.4	20.4
LOE: Bombs DLM	4.9	4.9	4.9	4.9	4.9	4.9	4.9
LOE: Gun Ammo (20mm-16")	12.1	12.1	12.1	12.1	12.1	12.1	12.1
LOE: Small Arms (up to 50 cal)	47.1	47.1	47.1	47.1	47.1	47.1	47.1
LOE: Pyro/Demo	8.6	8.6	8.6	8.6	8.6	8.6	8.6
Grenades/Mortars/Projectiles	15.2	15.2	15.2	15.2	15.2	15.2	15.2
Grenades/Mortars/Projectiles DLM	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Other: Demil	43.8	43.8	43.8	43.8	43.8	43.8	43.8
Total:	402.1	402.1	402.1	402.1	402.1	402.1	402.1

***See NOTE 2 on Table 1.1.a.**

4. Maintenance and Testing, continued

4.3 Provide details of the calculations used to complete Tables 4.2, including assumptions on additional space utilized, major equipment required, production rates, and constraint that limit increased maintenance and testing workload at this activity.

Torpedoes: Capabilities removed as follows: Mk 46 Torpedo (1 Oct 91), ASROC (30 Oct 93) and Mk 50 Torpedo (8 Mar 94).

Surface Launch Threat-Standard Missile: 31 Personnel. 4 production support, 2 quality assurance, 25 test/assembly producing 1,991 units annually (7 RFI daily for 232 days; test set not available 18 days annually for calibration/repairs), and producing 193 MSI and 174 MRI annually based on normal mix on a 1-8-5. No additional equipment or space required. This effort is currently performed on 1-10-4.

Other Threat-TOMAHAWK: 9 personnel. 2 production support, 1 quality surveillance and 6 mechanics producing 500 RFI units annually (2 RFI daily on 2 lines, with concurrent canister preparation in same facility on a 1-8-5). No additional equipment or space required. This effort is currently performed on 1-10-4.

Expendables: Mobile Submarine Simulator (MOSS) capability removed 2 Nov 93.

LOE and expendable items: Statement of work is limiting factor for determining capability. Normally use 7 to 17 personnel per line (depending on work to be performed) in a 2 line facility. Capabilities based on 1-8-5, this effort is currently performed on 1-10-4. No additional equipment or space is required.

SMS/MK 46/MK 48 container Depot Level Maintenance: 5 personnel, in 2 facilities, producing 2,316 units annually on a 1-8-5.

MK 48 DLM Torpedo Mounted Dispenser: 9 personnel on a single line on a 1-8-5, producing 1,500 units annually.

Maritime Pre-positioning Force container DLM: 14 personnel in 2 facilities on a 1-8-5, producing 2010 units annually. All DLM workload is currently performed on 1-10-4.

Other-Demil: 25 personnel. 4 Administration; 10 range disposal @ 16 tons per day; 5 other disposal @ 1.6 tons per day; 6 furnace demil @ 1.6 tons per day, all based on 1-8-5. This effort is currently performed on 1-10-4.

4.4 Table 4.7, on the following page, may be used as a worksheet for the following questions. Given an environment unconstrained by funds or manning, what Industrial Plant Equipment (IPE) would you change (add, delete, or modify) to increase your activity's capability to perform maintenance and testing workload? What other investments in the industrial infrastructure would you make to increase maintenance and testing capabilities? Describe quantitatively how the changes above would increase your activity's capabilities. What would the associated costs be? What would be the payback period and return on investment?

Unconstrained major additions to increase our activity's maintenance and testing capability are identified Table 4.7.

4.5 Are there any ultimate and overriding limiting factors to expansion of this activity's maintenance and testing workload? If so, what are they?

No known limiting factors have been identified.

4.6 Are there any environmental, legal, or otherwise limiting factors that inhibit further the development of ordnance maintenance and testing at this activity (AICUZ encroachment, pollutant discharge, etc.)?

No known limiting factors have been identified.

4. Maintenance and Testing, continued

4.7 For all Maintenance and Testing identified in section 4.1, specify which items (by family of weapon) and the quantity (by number of units per year) you can maintain (e.g. Captor 50/yr, Phoenix 100/yr, etc.). Identify factors limiting your capability, the total cost to remove the limiting factor and the new rate that could be maintained.

Table 4.7: Ordnance Maintenance and Testing Factors

Ordnance (Type-Qty)	Current Rate[1]	Limiting Factors	Cost to Remove ($K)	New Rate
MK 50 Torpedo	0	MK 644 Test Set	$3,000	175
Standard Missile	1,991	MK 612-4 Test Set	$4,000	3,248
Tomahawk	500	Plant Capacity [2]	NA	NA
Expendables	45,000	Plant Capacity [2]	NA	NA
Expendables DLM	35,500	Plant Capacity [2]	NA	NA
Inert	16,500	Plant Capacity [2]	NA	NA
Inert-SMS/MK 46/MK 48 Container DLM	2,316	Paint Booth and Grit Sand-Blast Reclamation Booth	$900	3,775
Inert-MK 48 TMD DLM	1,500	Plant Capacity [2]	NA	NA
Inert-MPF DLM	2,010	Plant Capacity [2]	NA	NA
LOE: Rockets	57,000	Plant Capacity [2]	NA	NA
LOE: Bombs	11,250	Plant Capacity [2]	NA	NA
LOE: Bombs DLM	10,100	Plant Capacity [2]	NA	NA
LOE: Gun Ammo	78,000	Plant Capacity [2]	NA	NA
LOE: Small Arms	17,500,000	Plant Capacity [2]	NA	NA
LOE: Pyro/Demo	77,500	Plant Capacity [2]	NA	NA
Grenades/Mortars /Projectiles	85,000	Plant Capacity [2]	NA	NA
Grenades/Mortars/Projectiles DLM	70,000	Plant Capacity [2]	NA	NA
Other: Demil Furnace	150 Tons	Stationary Furnace	$4,325	400 Tons

1. Rates are Annual Units, unless otherwise noted.

2. Current rates reflect current mix throughput capacity. Capacity exist to perform all designated levels of maintenance. DLM quantities reflect capability performing major renovation; i.e., Fuse replacement, primer replacement, link/delink of small arms, etc. Ability to perform major renovation is contingent upon availability of specialized ammunition peculiar equipment (APE).

4. Maintenance and Testing, continued

4.8 If the workload reported in section 4.1 is not the complete maintenance/testing package required by the munition, briefly describe what additional work is required, where the weapon must be sent to accomplish the work, and at what frequency the work must be done. Report depot-level maintenance as a separate line from intermediate maintenance.

Table 4.8: Additional Ordnance Maintenance and Testing Requirements

Munitions Type	Additional Work Required	Location for Additional Work	Frequency of Additional Work
Tomahawk ILM	**Depot Level Repair or Retrofit**	**Titusville, FL or San Diego, CA**	**100 Annually**

4.9 For each additional maintenance or testing action listed in Table 4.8 above, identify if that workload could be performed at your activity. Briefly describe what modifications would be necessary to accomplish that workload at your activity, and the associated costs.

Tomahawk Repair and Retrofit: To perform this work at WPNSTA Charleston, the renovation of a currently available facility and specialized equipment would be required. No cost estimates has been accomplished at this time.

4. Maintenance and Testing, continued

Questions 4.10-4.15 refer to Depot Maintenance workload performance only.

4.10 Given the current configuration and operation of your activity, provide the depot/industrial level maintenance by commodity group (from the Commodity List in the Notes at the beginning of this Data Call) that was executed in and is programmed for the Fiscal Years (FY) requested in units throughput and in Direct Labor Man Hours (DLMHs). Summarize ordnance commodity types serviced at this activity from the totals provided in Tables 4.1.a-.d.

Table 4.10.a: Historic and Predicted Depot/Industrial Workload

Commodity Type	Throughput (Units)							
	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Other: Inert	5,076	5,915	6,027	6,777	5,598	3,618	3,098	2,120
Munitions/Ordnance	0	33,500	1,151	104	0	0	0	0
Total:	5,076	39,415	7,178	6,881	5,598	3,618	3,098	2,120

Table 4.10.b: Historic and Predicted Depot/Industrial Workload

Commodity Type	Throughput (Units)							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Other: Inert	2,211	2,110	2,462	2,437	2,437	2,437	2,437	2,407
Munitions/Ordnance	0	375	0	0	0	0	0	0
Total:	2,211	2,110	2,462	2,437	2,437	2,437	2,437	2,407

4. Maintenance and Testing, continued

Table 4.10.c: Historic and Predicted Depot/Industrial Workload

Commodity Type	Throughput (DLMHs In 000's)							
	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Other: Inert	33.3	31.5	29.6	32.0	29.1	20.3	14.8	12.7
Munitions/Ordnance	0	1.6	.3	.3	0	0	0	0
Total:	33.3	33.1	29.9	32.3	29.1	20.3	14.8	12.7

Table 4.10.d: Historic and Predicted Depot/Industrial Workload

Commodity Type	Throughput (DLMHs In 000's)							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Other: Inert	17.8	16.9	21.0	20.8	20.8	20.8	20.8	20.8
Munitions/Ordnance	0	1.8	0	0	0	0	0	0
Total:	17.8	18.7	21.0	20.8	20.8	20.8	20.8	20.8

4. Maintenance and Testing, continued

4.11 For each commodity group type reported in Tables 4.10.a through 4.10.d, assume (a) the current projected total depot / industrial workload remains as assigned; (b) that sufficient production demand is available to justify maximum hiring, optimum (repeat order manufacturing lead times) procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed: what is the maximum extent to which depot / industrial maintenance operations could be expanded at this activity, based on the current and future planned workload mixes, for the requested period? Please provide your response in both the absolute maximum number of units and DLMHs that could be processed at this activity by applicable commodity group. Summarize Ordnance from Table 4.2.a-b.

Table 4.11.a: Maximum Potential Depot/Industrial Workload

Commodity Type	Throughput (Units)							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Other: Inert	**6,126**	**6,126**	**6,126**	**6,126**	**6,126**	**6,126**	**6,126**	**6,126**
Munitions/Ord	**11,560**	**11,560**	**11,560**	**11,560**	**11,560**	**11,560**	**11,560**	**11,560**
Total:	**17,686**	**17,686**	**17,686**	**17,686**	**17,686**	**17,686**	**17,686**	**17,686**

Table 4.11.b: Maximum Potential Depot/Industrial Workload

Commodity Type	Throughput (DLMHs In 000's)							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Other: Inert	**47.6**	**47.6**	**47.6**	**47.6**	**47.6**	**47.6**	**47.6**	**47.6**
Munitions/Ord	**10.7**	**10.7**	**10.7**	**10.7**	**10.7**	**10.7**	**10.7**	**10.7**
Total:	**58.3**	**58.3**	**58.3**	**58.3**	**58.3**	**58.3**	**58.3**	**58.3**

4. Maintenance and Testing, continued

4.12 Provide details of your calculations in Tables 4.11.a-b including assumptions on additional space utilized, major equipment required, production rates, and constraints that limit increased workload by commodity group at this activity.

SMS/MK 46/MK 48 container Depot Level Maintenance: 5 personnel, in 2 facilities, producing 2,616 units annually on a 1-8-5.
MK 48 DLM Torpedo Mounted Dispenser: 9 personnel on a single line on a 1-8-5, producing 1,500 units annually.
Maritime Pre-positioning Force container DLM: 14 personnel in 2 facilities on a 1-8-5, producing 2010 units annually. All DLM workload is currently performed on 1-10-4.

Expendables and LOE items: Statement of work is limiting factor for determining capability. Normally use 7 to 17 personnel per line (depending on work to be performed) in a 2 line facility. Capabilities based on 1-8-5, this effort is currently performed on 1-10-4. No additional equipment or space is required.

4.13 Given an environment unconstrained by funds or manning, what Industrial Plant Equipment (IPE) would you change (add, delete, or modify) to increase your activity's capability to perform workload in each of the applicable commodity groups? Describe quantitatively how the changes above would increase your activity's depot/industrial level maintenance capabilities. What would the associated costs be? What would be the payback period and return on investment?

SMS/MK 46/MK 48 Container Depot Level Maintenance: See Table 4.7.

Expendables and LOE: Have sufficient space and equipment, no additional investments required.

4.14 Are there any environmental, legal, or otherwise limiting factors that inhibit further the development of depot/industrial level workload and this activity (AICUZ encroachment, pollutant discharge, etc.)?

No known limiting factors have been identified.

4. Maintenance and Testing, continued

4.15 Workload Summary. Enter the information from the Predicted and Potential Workload sections of Tables 4.10 and 4.11 into the table below and calculate the variance between projected and potential workloads. Again, clearly identify each commodity and include all commodities serviced at this activity.

Table 4.15.a: PREDICTED WORKLOAD VARIANCE FOR FY 1995

FY 1995 Commodity Type	Product (units)			DLMHs **(In 000's)**		
	Predicted Workload	Potential Workload	Variance	Predicted Workload	Potential Workload	Variance
Other: Inert	**2,110**	**6,126**	**4,016**	**16.9**	**47.6**	**30.7**
Munitions/Ord	**375**	**11,560**	**11,185**	**1.8**	**10.7**	**8.9**
Total	N/A	N/A	N/A	**18.7**	**58.3**	**39.6**

[1] This workload is not duplicative of any previously reported workload. Detail all production categorized as "other".

Table 4.15.b: PREDICTED WORKLOAD VARIANCE FOR FY 1996

FY 1996 Commodity Type	Product (units)			DLMHs **(In 000's)**		
	Predicted Workload	Potential Workload	Variance	Predicted Workload	Potential Workload	Variance
Other: Inert	**2,462**	**6,126**	**3,664**	**21.0**	**47.6**	**26.6**
Munitions/Ord	**0**	**11,560**	**11,560**	**0**	**10.7**	**10.7**
Total	N/A	N/A	N/A	**21.0**	**58.3**	**37.3**

[1] This workload is not duplicative of any previously reported workload. Detail all production categorized as "other".

4. Maintenance and Testing, continued

Table 4.15.c: PREDICTED WORKLOAD VARIANCE FOR FY 1997

FY 1997 Commodity Type	Product (units)			DLMHs **(In 000's)**		
	Predicted Workload	Potential Workload	Variance	Predicted Workload	Potential Workload	Variance
Other: Inert	**2,437**	**6,126**	**3,689**	**20.8**	**47.6**	**26.8**
Munitions/Ord	**0**	**11,560**	**11,560**	**0**	**10.7**	**10.7**
Total	N/A	N/A	N/A	**20.8**	**58.3**	**37.5**

[1] This workload is not duplicative of any previously reported workload. Detail all production categorized as "other".

Table 4.15.d: PREDICTED WORKLOAD VARIANCE FOR FY 1998

FY 1998 Commodity Type	Product (units)			DLMHs **(In 000's)**		
	Predicted Workload	Potential Workload	Variance	Predicted Workload	Potential Workload	Variance
Other: Inert	**2,437**	**6,126**	**3,689**	**20.8**	**47.6**	**26.8**
Munitions/Ord	**0**	**11,560**	**11,560**	**0**	**10.7**	**10.7**
Total	N/A	N/A	N/A	**20.8**	**58.3**	**37.5**

[1] This workload is not duplicative of any previously reported workload. Detail all production categorized as "other".

4. Maintenance and Testing, continued

Table 4.15.e: PREDICTED WORKLOAD VARIANCE FOR FY 1999

FY 1999 Commodity Type	Product (units)			DLMHs **(In 000's)**		
	Predicted Workload	Potential Workload	Variance	Predicted Workload	Potential Workload	Variance
Other: Inert	**2,437**	**6,126**	**3,689**	**20.8**	**47.6**	**26.8**
Munitions/Ord	**0**	**11,560**	**11,560**	**0**	**10.7**	**10.7**
Total	N/A	N/A	N/A	**20.8**	**58.3**	**37.5**

[1] This workload is not duplicative of any previously reported workload. Detail all production categorized as "other".

Table 4.15.f: PREDICTED WORKLOAD VARIANCE FOR FY 2000

FY 2000 Commodity Type	Product (units)			DLMHs **(In 000's)**		
	Predicted Workload	Potential Workload	Variance	Predicted Workload	Potential Workload	Variance
Other: Inert	**2,437**	**6,126**	**3,689**	**20.8**	**47.6**	**26.8**
Munitions/Ord	**0**	**11,560**	**11,560**	**0**	**10.7**	**10.7**
Total	N/A	N/A	N/A	**20.8**	**58.3**	**37.5**

[1] This workload is not duplicative of any previously reported workload. Detail all production categorized as "other".

4. Maintenance and Testing, continued

Table 4.15.g: PREDICTED WORKLOAD VARIANCE FOR FY 2001

FY 2001 Commodity Type	Product (units)			DLMHs **(In 000's)**		
	Predicted Workload	Potential Workload	Variance	Predicted Workload	Potential Workload	Variance
Other: Inert	**2,437**	**6,126**	**3,689**	**20.8**	**47.6**	**26.8**
Munitions/Ord	**0**	**11,560**	**11,560**	**0**	**10.7**	**10.7**
Total	N/A	N/A	N/A	**20.8**	**58.3**	**37.5**

[1] This workload is not duplicative of any previously reported workload. Detail all production categorized as "other".

Mission Area

5. Manufacturing Workload

5.1 Identify ordnance manufacturing capabilities of your activity by number of units and Direct Labor Man Hours (DLMHs) that have been executed or are programmed to be performed in the period requested, within each ammunition/ordnance type. Specify all non-ordnance and non-DON workload.

Table 5.1.a: Historic and Predicted Manufacturing Workload

Ordnance Type	Units Throughput							
	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Mines	0	0	0	0	0	0	0	0
Torpedoes	0	0	0	0	0	0	0	0
Air Launched Threat	0	0	0	0	0	0	0	0
Surface Launched Threat	0	0	0	0	0	0	0	0
Other Threat	0	0	0	0	0	0	0	0
Expendables	0	0	0	0	0	0	0	0
INERT	0	0	0	0	0	125	280	340
CADs/PADs	0	0	0	0	0	0	0	0
Strategic Nuclear	0	0	0	0	0	0	0	0
Tactical Nuclear	0	0	0	0	0	0	0	0
LOE: Rockets	0	0	0	0	0	0	0	0
LOE: Bombs	0	0	0	0	0	0	0	0
LOE: Gun Ammo (20mm-16")	0	0	0	0	0	0	0	0
LOE: Small Arms (up to 50 cal.)	0	0	0	0	0	0	0	0
LOE: Pyro/Demo	0	0	0	0	0	0	0	0
Grenades/Mortars/Projectiles	0	0	0	0	0	0	0	0
Other (specify)	0	0	0	0	0	0	0	0

5. Manufacturing Workload, continued

Table 5.1.b: Historic and Predicted Manufacturing Workload

Ordnance Type	Units Throughput							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Mines	0	0	0	0	0	0	0	0
Torpedoes	0	0	0	0	0	0	0	0
Air Launched Threat	0	0	0	0	0	0	0	0
Surface Launched Threat	0	0	0	0	0	0	0	0
Other Threat	0	0	0	0	0	0	0	0
Expendables	0	0	0	0	0	0	0	0
INERT	110	0	0	0	0	0	0	0
CADs/PADs	0	0	0	0	0	0	0	0
Strategic Nuclear	0	0	0	0	0	0	0	0
Tactical Nuclear	0	0	0	0	0	0	0	0
LOE: Rockets	0	0	0	0	0	0	0	0
LOE: Bombs	0	0	0	0	0	0	0	0
LOE: Gun Ammo (20mm-16")	0	0	0	0	0	0	0	0
LOE: Small Arms (up to 50 cal)	0	0	0	0	0	0	0	0
LOE: Pyro/Demo	0	0	0	0	0	0	0	0
Grenades/Mortars/Projectiles	0	0	0	0	0	0	0	0
Other (specify)	0	0	0	0	0	0	0	0

5. Manufacturing Workload, continued

Table 5.1.c: Historic and Predicted Manufacturing Workload

Ordnance Type	DLMHs (In 000's)							
	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Mines	0	0	0	0	0	0	0	0
Torpedoes	0	0	0	0	0	0	0	0
Air Launched Threat	0	0	0	0	0	0	0	0
Surface Launched Threat	0	0	0	0	0	0	0	0
Other Threat	0	0	0	0	0	0	0	0
Expendables	0	0	0	0	0	0	0	0
INERT	0	0	0	0	0	13.0	21.5	15.9
CADs/PADs	0	0	0	0	0	0	0	0
Strategic Nuclear	0	0	0	0	0	0	0	0
Tactical Nuclear	0	0	0	0	0	0	0	0
LOE: Rockets	0	0	0	0	0	0	0	0
LOE: Bombs	0	0	0	0	0	0	0	0
LOE: Gun Ammo (20mm-16")	0	0	0	0	0	0	0	0
LOE: Small Arms (up to 50 cal.)	0	0	0	0	0	0	0	0
LOE: Pyro/Demo	0	0	0	0	0	0	0	0
Grenades/Mortars/Projectiles	0	0	0	0	0	0	0	0
Other (specify)	0	0	0	0	0	0	0	0

5. Manufacturing Workload, continued

Table 5.1.d: Historic and Predicted Manufacturing Workload

Ordnance Type	DLMHs (In 000's)							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Mines	0	0	0	0	0	0	0	0
Torpedoes	0	0	0	0	0	0	0	0
Air Launched Threat	0	0	0	0	0	0	0	0
Surface Launched Threat	0	0	0	0	0	0	0	0
Other Threat	0	0	0	0	0	0	0	0
Expendables	0	0	0	0	0	0	0	0
INERT	4.4	0	0	0	0	0	0	0
CADs/PADs	0	0	0	0	0	0	0	0
Strategic Nuclear	0	0	0	0	0	0	0	0
Tactical Nuclear	0	0	0	0	0	0	0	0
LOE: Rockets	0	0	0	0	0	0	0	0
LOE: Bombs	0	0	0	0	0	0	0	0
LOE: Gun Ammo (20mm-16")	0	0	0	0	0	0	0	0
LOE: Small Arms (up to 50 cal.)	0	0	0	0	0	0	0	0
LOE: Pyro/Demo	0	0	0	0	0	0	0	0
Grenades/Mortars/Projectiles	0	0	0	0	0	0	0	0
Other (specify)	0	0	0	0	0	0	0	0

5. Manufacturing Workload, continued

5.2 Assuming (a) the current projected total workload and mix remains as assigned; (b) that sufficient demand is available to justify maximum hiring, optimum procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed: what is the maximum extent to which this activity could expand the manufacturing conducted, based on the current and future planned workload mixes? Please provide your response in the absolute number of units throughput and DLMHs that could be accomplished at this facility. Report depot-level maintenance as a separate line from intermediate and below level maintenance.

Table 5.2.a: Maximum Potential Manufacturing Workload

Ordnance Type	Units Throughput						
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Mines	0	0	0	0	0	0	0
Torpedoes	0	0	0	0	0	0	0
Air Launched Threat	0	0	0	0	0	0	0
Surface Launched Threat	0	0	0	0	0	0	0
Other Threat	0	0	0	0	0	0	0
Expendables	0	0	0	0	0	0	0
INERT	521	521	521	521	521	521	521
CADs/PADs	0	0	0	0	0	0	0
Strategic Nuclear	0	0	0	0	0	0	0
Tactical Nuclear	0	0	0	0	0	0	0
LOE: Rockets	0	0	0	0	0	0	0
LOE: Bombs	0	0	0	0	0	0	0
LOE: Gun Ammo (20mm-16")	0	0	0	0	0	0	0
LOE: Small Arms (up to 50 cal)	0	0	0	0	0	0	0
LOE: Pyro/Demo	0	0	0	0	0	0	0
Grenades/Mortars/Projectiles	0	0	0	0	0	0	0
Other (specify)							

5. Manufacturing Workload, continued

Table 5.2.b: Maximum Potential Manufacturing Workload

Ordnance Type	DLMHs (In 000's)						
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Mines	0	0	0	0	0	0	0
Torpedoes	0	0	0	0	0	0	0
Air Launched Threat	0	0	0	0	0	0	0
Surface Launched Threat	0	0	0	0	0	0	0
Other Threat	0	0	0	0	0	0	0
Expendables	0	0	0	0	0	0	0
INERT	31.5	31.5	31.5	31.5	31.5	31.5	31.5
CADs/PADs	0	0	0	0	0	0	0
Strategic Nuclear	0	0	0	0	0	0	0
Tactical Nuclear	0	0	0	0	0	0	0
LOE: Rockets	0	0	0	0	0	0	0
LOE: Bombs	0	0	0	0	0	0	0
LOE: Gun Ammo (20mm-16")	0	0	0	0	0	0	0
LOE: Small Arms (up to 50 cal)	0	0	0	0	0	0	0
LOE: Pyro/Demo	0	0	0	0	0	0	0
Grenades/Mortars/Projectiles	0	0	0	0	0	0	0
Other (specify)	0	0	0	0	0	0	0

5. Manufacturing Workload, continued

5.3 Provide details of the calculations used to complete Tables 5.2, including assumptions on additional space utilized, major equipment required, production rates, and constraint that limit increased manufacturing workload at this activity.

Manufacturing capabilities based on FY 92 and 93 average of 11 personnel producing 310 units annually, in 2 facilities, could accommodate 8 additional personnel within existing space and require no additional major equipment. Current manufacturing includes, but is not limited to: beams, strongbacks, skids, major containers, and test fixtures. Actual unit capability is determined by the commodity/scope of work requested.

5.4 Table 5.7, on following page, may be used as a worksheet for the following questions. Given an environment unconstrained by funds or manning, what Industrial Plant Equipment (IPE) would you change (add, delete, or modify) to increase your activity's capability to perform manufacturing workload? What other investments in the industrial infrastructure would you make to increase manufacturing capabilities? Describe quantitatively how the changes above would increase your activity's capabilities. What would the associated costs be? What would be the payback period and return on investment?

No major additional equipment required.

5.5 Are there any ultimate and overriding limiting factors to expansion of this activity's manufacturing workload? If so, what are they?

No known limiting factors have been identified.

5.6 Are there any environmental, legal, or otherwise limiting factors that inhibit further the development of ordnance manufacturing at this activity (AICUZ encroachment, pollutant discharge, etc.)?

No known limiting factors have been identified.

5. Manufacturing Workload, continued

5.7 For each weapons manufacturing capability included in section 5.1 above, identify by type of weapon (Captor, Harpoon, Tomahawk, etc.) the production rate per year, and what factors limit that rate, the cost to eliminate those limiting factors, and what increased workload would be realized at that cost. In the space below the Table, please briefly describe the actions, and associated costs, necessary to improve your production rates.

Table 5.7: Manufacturing Production Factors

Ordnance Type	Current Production Rate	Limiting Factor	Cost to Remove ($ K)	New Production Rate
Inert Manufacturing	**521**	**Plant Capacity**	**NA**	**NA**

Mission Area

6. In-Service Engineering Workload

6.1 **Not Applicable**

6.2 **Not Applicable.**

6.3 **Not Applicable.**

6.4 **Not Applicable.**

6.5 **Not Applicable.**

6.6 **Not Applicable.**

6.7 **Not Applicable.**

Mission Area

7. Technical Support

7.1 **Not Applicable.**

7.2 **Not Applicable.**

7.3 **Not Applicable.**

7.4 **Not Applicable.**

7.5 **Not Applicable.**

7.6 **Not Applicable.**

Features and Capabilities

8. Stowage Facilities

8.1 List by facility number each weapon storage facility under the cognizance of this activity. Use separate tables for each location and magazine type, e.g. main base will have a table for igloo facilities and another for box magazines.

- Identify the current rated condition of each facility (Adequate/Inadequate/Substandard), its total square footage and if it is equipped with environmental controls.
- Is this facility currently used for weapons storage? If yes, what type of ordnance, from the commodity types previously listed, is currently stowed here?
- If ordnance is currently stowed in the facility, identify the reason(s) for which this ordnance is stowed at your facility from the following list: 1-own activity use (training); 2-own activity use (operational stock); 3-Receipt/Segregation/Stowage/Issue (RSSI); 4-transshipment/awaiting issue; 5-deep stow (war reserve); 6-awaiting Demil; 7-other. Explain each "other" entry in the space provided, including ordnance stowed which is not a DON asset.

Table 8.1.a: Stowage Facility Conditions

Site/Magazine Type: **WPNSTA Charleston/SP&P**

Facility Number	Condition		Environment Controls (Y / N)	Currently In Use? (Y / N)	Type of Ordnance Stowed	Reason for Stowage
	A / I / S	KSF				
0111	**A**	**5**	**N**	**Y**	**GUN AMMO**	**3 & 4**
0112	**A**	**5**	**N**	**Y**	**GUN AMMO**	**3 & 4**
0113	**A**	**5**	**N**	**Y**	**GUN AMMO**	**3 & 4**
0114	**A**	**5**	**N**	**Y**	**GUN AMMO**	**3 & 4**
0115	**A**	**5**	**N**	**Y**	**GUN AMMO**	**3 & 4**
0116	**A**	**5**	**N**	**Y**	**GUN AMMO**	**3 & 4**
0117	**A**	**5**	**N**	**Y**	**SMALL ARMS**	**3 & 4**
0118	**A**	**5**	**N**	**Y**	**SMALL ARMS**	**3 & 4**
0119	**A**	**5**	**N**	**Y**	**PYRO/DEMO**	**6**
0120	**A**	**5**	**N**	**Y**	**PYRO/DEMO**	**3 & 4**
0121	**A**	**5**	**N**	**Y**	**GUN AMMO**	**3 & 4**
0122	**A**	**5**	**N**	**Y**	**PYRO/DEMO**	**3 & 4**
0123	**A**	**5**	**N**	**Y**	**PYRO/DEMO**	**3 & 4**

Facility Number	Condition		Environment Controls (Y / N)	Currently In Use? (Y / N)	Type of Ordnance Stowed	Reason for Stowage
	A / I / S	KSF				
0124	A	5	N	Y	GUN AMMO	3 & 4
0125	A	5	N	Y	GUN AMMO	3 & 4
0126	A	5	N	Y	EXPENDABLE	3 & 4
0127	A	5	N	Y	PROJECTILE	3 & 4
0128	A	5	N	Y	BOMB	3 & 4
0129	A	5	N	Y	GUN AMMO	3 & 4
0130	A	5	N	Y	GUN AMMO	3 & 4
0131	A	5	N	Y	GUN AMMO	3 & 4
0132	A	5	N	Y	PROJECTILE	3 & 4
0133	A	5	N	Y	GUN AMMO	3 & 4
0134	A	5	N	Y	GUN AMMO	3 & 4
0135	A	5	N	Y	PROJECTILE	3 & 4
0136	A	5	N	Y	GUN AMMO	3 & 4
0137	A	5	N	Y	PROJECTILE	3 & 4
0138	A	5	N	Y	PROJECTILE	3 & 4
0139	A	5	N	Y	SMALL ARMS	3 & 4
0140	A	5	N	Y	PYRO/DEMO	3 & 4
0141	A	5	N	Y	BOMB	3 & 4
0142	A	5	N	Y	BOMB	3 & 4
0143	A	5	N	Y	PROJECTILE	3 & 4
0144	A	5	N	Y	BOMB	3 & 4
0145	A	5	N	Y	A.L. THREAT	3 & 4
0146	A	5	N	Y	TORPEDO	3 & 4
0147	A	5	N	Y	PROJECTILE	3 & 4
0148	A	5	N	Y	S.L. THREAT	3 & 4
0149	A	5	N	Y	TORPEDO	3 & 4
0150	A	5	N	Y	BOMB	3 & 4
0151	A	5	N	Y	S.L. THREAT	3 & 4

Facility Number	Condition		Environment Controls (Y / N)	Currently In Use? (Y / N)	Type of Ordnance Stowed	Reason for Stowage
	A / I / S	KSF				
0152	**A**	**5**	**N**	**Y**	**S.L. THREAT**	**3 & 4**
0153	**A**	**5**	**N**	**Y**	**PROJECTILE**	**3 & 4**
0154	**A**	**5**	**N**	**Y**	**S.L. THREAT**	**3 & 4**
0155	**A**	**5**	**N**	**Y**	**A.L. THREAT**	**3 & 4**
0156	**A**	**5**	**N**	**Y**	**ROCKET**	**3 & 4**
0157	**A**	**5**	**N**	**Y**	**S.L. THREAT**	**3 & 4**
0158	**A**	**5**	**N**	**Y**	**BOMB**	**3 & 4**
0159	**A**	**5**	**N**	**Y**	**BOMB**	**3 & 4**
0160	**A**	**5**	**N**	**Y**	**S.L. THREAT**	**3 & 4**

Table 8.1.b: Stowage Facility Conditions

Site/Magazine Type: **WPNSTA Charleston/IGLOO**

Facility Number	Condition		Environment Controls (Y / N)	Currently In Use? (Y / N)	Type of Ordnance Stowed	Reason for Stowage
	A / I / S	KSF				
0102	A	1.25	N	Y	EXPENDABLE	3 & 4
0103	A	1.25	N	Y	PYRO	3 & 4
0104	A	1.25	N	Y	EXPENDABLE	3 & 4
0105	A	1.25	N	Y	GRENADE	3 & 4
0211	A	2	N	Y	PROJECTILE	3 & 4
0212	A	2	N	Y	PROJECTILE	3 & 4
0213	A	2	N	Y	S.L. THREAT	3 & 4
0214	A	2	N	Y	S.L. THREAT	3 & 4
0215	A	2	N	Y	BOMB	3 & 4
0216	A	2	N	Y	EXPENDABLE	3 & 4
0217	A	2	N	Y	PROJECTILE	3 & 4
0218	A	2	N	Y	PROJECTILE	3 & 4
0219	A	2	N	Y	PROJECTILE	3 & 4
0220	A	2	N	Y	PROJECTILE	3 & 4
0221	A	1.25	N	Y	TORPEDO	3 & 4
0222	A	1.25	N	Y	EXPENDABLE	3 & 4
0223	A	1.25	N	Y	PROJECTILE	3 & 4
0224	A	1.25	N	Y	PROJECTILE	3 & 4
0225	A	1.25	N	Y	PROJECTILE	3 & 4
0226	A	1.25	N	Y	GUN AMMO	6
0231	A	2	N	Y	BOMB	3 & 4
0232	A	2	N	Y	BOMB	3 & 4
0233	A	2	N	Y	BOMB	3 & 4
0234	A	2	N	Y	BOMB	3 & 4

Facility Number	Condition		Environment Controls (Y / N)	Currently In Use? (Y / N)	Type of Ordnance Stowed	Reason for Stowage
	A / I / S	KSF				
0235	A	2	N	Y	BOMB	3 & 4
0236	A	2	N	Y	BOMB	3 & 4
0237	A	2	N	Y	BOMB	3 & 4
0238	A	2	N	Y	PROJECTILE	3 & 4
0239	A	2	N	Y	BOMB	3 & 4
0240	A	2	N	Y	PROJECTILE	3 & 4
0241	A	2	N	Y	BOMB	3 & 4
0242	A	2	N	Y	BOMB	3 & 4
0243	A	2	N	Y	BOMB	3 & 4
0244	A	2	N	Y	BOMB	3 & 4
0245	A	2	N	Y	BOMB	3 & 4
0246	A	2	N	Y	PROJECTILE	3 & 4
0247	A	2	N	Y	BOMB	3 & 4
0248	A	2	N	Y	BOMB	3 & 4
0249	A	2	N	Y	PROJECTILE	3 & 4
0250	A	2	N	Y	PROJECTILE	3 & 4
0251	A	2	N	Y	DEMO	3 & 4
0252	A	2	N	Y	GUN AMMO	3 & 4
0253	A	2	N	Y	PROJECTILE	3 & 4
0254	A	2	N	Y	BOMB	3 & 4
0255	A	2	N	Y	BOMB	3 & 4
0256	A	2	N	Y	EXPENDABLE	3 & 4
0257	A	2	N	Y	CADS/PADS	3 & 4
0258	A	2	N	Y	CADS/PADS	3 & 4
0259	A	2	N	Y	GRENADE	3 & 4
0260	A	2	N	Y	BOMB	3 & 4
0261	A	2	N	Y	GRENADE	3 & 4
0262	A	2	N	Y	DEMO	3 & 4

Facility Number	Condition		Environment Controls (Y / N)	Currently In Use? (Y / N)	Type of Ordnance Stowed	Reason for Stowage
	A / I / S	KSF				
0263	A	2	N	Y	DEMO	3 & 4
0264	A	2	N	Y	GUN AMMO	3 & 4
0265	A	2	N	Y	DEMO	3 & 4
0266	A	2	N	Y	DEMO	3 & 4
0267	A	2	N	Y	DEMO	1
0268	A	2	N	Y	DEMO	3 & 4
0269	A	2	N	Y	GRENADE	3 & 4
0270	A	2	N	Y	DEMO	3 & 4

Table 8.1.c: Stowage Facility Conditions

Site/Magazine Type: **WPNSTA Charleston/F&D**

Facility Number	Condition		Environment Controls (Y / N)	Currently In Use? (Y / N)	Type of Ordnance Stowed	Reason for Stowage
	A / I / S	KSF				
0401	**A**	**.14**	**N**	**Y**	**EXPENDABLE**	**3 & 4**
0402	**A**	**.14**	**N**	**N**		
0411	**A**	**.14**	**N**	**N**		
0412	**A**	**.14**	**N**	**N**		
0413	**A**	**.14**	**N**	**Y**	**EXPENDABLE**	**3 & 4**
0414	**A**	**.14**	**N**	**N**		
0415	**A**	**.14**	**N**	**Y**	**EXPENDABLE**	**3 & 4**
0416	**A**	**.14**	**N**	**Y**	**EXPENDABLE**	**3 & 4**
0417	**A**	**.14**	**N**	**Y**	**EXPENDABLE**	**3 & 4**
0421	**A**	**.14**	**N**	**N**		
0422	**A**	**.14**	**N**	**N**		
0423	**A**	**.14**	**N**	**N**		
0424	**A**	**.14**	**N**	**N**		
0425	**A**	**.14**	**N**	**N**		
0426	**A**	**.14**	**N**	**N**		
0427	**A**	**.14**	**N**	**Y**	**EXPENDABLE**	**6**
0428	**A**	**.14**	**N**	**N**		

Table 8.1.d: Stowage Facility Conditions

Site/Magazine Type: **WPNSTA Charleston/BOX**

Facility Number	Condition		Environment Controls (Y / N)	Currently In Use? (Y / N)	Type of Ordnance Stowed	Reason for Stowage
	A / I / S	KSF				
0010	**A**	**3.9**	**N**	**Y**	**TORPEDO**	**3 & 4**
0106	**A**	**4.71**	**Y**	**Y**	**S.L. THREAT**	**3 & 4**
0107	**A**	**4.71**	**Y**	**Y**	**S.L. THREAT**	**3 & 4**
0108	**A**	**4.71**	**Y**	**Y**	**S.L. THREAT**	**3 & 4**
0109	**A**	**4.71**	**Y**	**Y**	**S.L. THREAT**	**3 & 4**
0192	**A**	**5.04**	**N**	**Y**	**A.L. THREAT**	**3 & 4**
0193	**A**	**5.04**	**N**	**Y**	**S.L. THREAT**	**3 & 4**
0194	**A**	**5.04**	**N**	**Y**	**TORPEDO**	**3 & 4**
0227	**A**	**1.4**	**N**	**Y**	**SMALL ARMS**	**6**
0282	**A**	**7.95**	**N**	**Y**	**OTH THREAT**	**3 & 4**
0283	**A**	**7.95**	**N**	**Y**	**S.L. THREAT**	**3 & 4**
0441	**A**	**7.95**	**N**	**Y**	**S.L. THREAT**	**3 & 4**
2320	**A**	**7.95**	**N**	**Y**	**S.L. THREAT**	**3 & 4**
2321	**A**	**5.04**	**N**	**Y**	**S.L. THREAT**	**3 & 4**
2322	**A**	**5.04**	**N**	**Y**	**S.L. THREAT**	**3 & 4**
2323	**A**	**7.95**	**N**	**Y**	**S.L. THREAT**	**3 & 4**
6A845	**A**	**1.25**	**N**	**Y**	**OTH THREAT**	**3 & 4**
6A846	**A**	**1.25**	**N**	**Y**	**OTH THREAT**	**3 & 4**
*** 6A866**	**A**	**2.69**	**N**	**Y**	**OTH THREAT**	**3 & 4**
**** 8A453**	**A**	**7.96**	**N**	**Y**	**OTH THREAT**	**3 & 4**

*** Four individual magazines in one facility. ** Ten individual magazines in one facility.**

Table 8.1.e: Stowage Facility Conditions

Site/Magazine Type: **WPNSTA Charleston/DOUBLE ARCH**

Facility Number	Condition		Environment Controls (Y / N)	Currently In Use? (Y / N)	Type of Ordnance Stowed	Reason for Stowage
	A / I / S	KSF				
931	**A**	**1.3**	**N**	**Y**	**EXPENDABLE**	**6**

Table 8.1.f: Stowage Facility Conditions

Site/Magazine Type: **WPNSTA Charleston/Expl. Mag.**

Facility Number	Condition		Environment Controls (Y / N)	Currently In Use? (Y / N)	Type of Ordnance Stowed	Reason for Stowage
	A / I / S	KSF				
1AC1	A	2.378	Y	*	*	7
1AC2	A	2.378	Y	*	*	7
1AC3	A	2.378	Y	*	*	7
1AC4	A	2.378	Y	*	*	7
1AC5	A	2.378	Y	*	*	7
1AC6	A	2.378	Y	*	*	7
1AC7	A	2.378	Y	*	*	7
2AC8	A	2.378	Y	*	*	7
2AC9	A	2.378	Y	*	*	7
2AC10	A	2.378	Y	*	*	7
2AC11	A	2.378	Y	*	*	7
2AC12	A	2.378	Y	*	*	7
2AC13	A	2.378	Y	*	*	7
2AC14	A	2.378	Y	*	*	7
3AC15	A	2.378	Y	*	*	7
3AC16	A	2.378	Y	*	*	7
3AC17	A	2.378	Y	*	*	7
3AC18	A	2.378	Y	*	*	7
3AC19	A	2.378	Y	*	*	7
3AC20	A	2.378	Y	*	*	7
4AC21	A	2.378	Y	*	*	7
4AC22	A	2.378	Y	*	*	7
4AC23	A	2.378	Y	*	*	7
4AC24	A	2.378	Y	*	*	7
4AC25	A	2.378	Y	*	*	7

Facility Number	Condition		Environment Controls (Y / N)	Currently In Use? (Y / N)	Type of Ordnance Stowed	Reason for Stowage
	A / I / S	KSF				
5AC26	A	2.378	Y	*	*	7
5AC27	A	2.378	Y	*	*	7
5AC28	A	2.378	Y	*	*	7
5AC29	A	2.378	Y	*	*	7
5AC30	A	2.378	Y	*	*	7
5AC31	A	2.378	Y	*	*	7
5AC32	A	2.378	Y	*	*	7
6AC33	A	2.378	Y	*	*	7
6AC34	A	2.378	Y	*	*	7
6AC35	A	2.378	Y	*	*	7
6AC36	A	2.378	Y	*	*	7
6AC37	A	2.378	Y	*	*	7
6AC38	A	2.378	Y	*	*	7
7AC39	A	3.963	Y	*	*	7
7AC40	A	4.018	Y	*	*	7
7AC41	A	4.018	Y	*	*	7
7AC42	A	4.018	Y	*	*	7
7AC43	A	4.018	Y	*	*	7
7AC44	A	4.018	Y	*	*	7
8AC45	A	4.018	Y	*	*	7
8AC46	A	4.018	Y	*	*	7
8AC47	A	4.018	Y	*	*	7
8AC48	A	4.018	Y	*	*	7
8AC49	A	3.936	Y	*	*	7
8AC50	A	3.936	Y	*	*	7
9XC51	A	4.712	Y	*	*	7
9XC52	A	4.712	Y	*	*	7

Facility Number	Condition		Environment Controls (Y / N)	Currently In Use? (Y / N)	Type of Ordnance Stowed	Reason for Stowage
	A / I / S	KSF				
9XC53	A	4.712	Y	*	*	7
9XC54	A	4.712	Y	*	*	7
9XC55	A	4.712	Y	*	*	7
10XC56	A	4.876	Y	*	*	7
10XC57	A	4.712	Y	*	*	7
10XC58	A	4.712	Y	*	*	7
10XC59	A	4.712	Y	*	*	7
10XC60	A	4.712	Y	*	*	7
11XC61	A	4.876	Y	*	*	7
11XC62	A	4.876	Y	*	*	7
11XC63	A	4.876	Y	*	*	7
13A870	A	2.739	Y	*	*	7
13A871	A	2.739	Y	*	*	7
13A872	A	2.739	Y	*	*	7
13A873	A	2.739	Y	*	*	7
13A874	A	2.739	Y	*	*	7
14A875	A	2.739	Y	*	*	7
14A876	A	2.739	Y	*	*	7
14A877	A	2.739	Y	*	*	7
14A878	A	2.739	Y	*	*	7
14A879	A	2.739	Y	*	*	7
14A880	A	2.739	Y	*	*	7
15A881	A	2.739	Y	*	*	7
15A882	A	2.739	Y	*	*	7
15A883	A	2.739	Y	*	*	7
15A884	A	2.739	Y	*	*	7
15A885	A	2.739	Y	*	*	7

Facility Number	Condition		Environment Controls (Y / N)	Currently In Use? (Y / N)	Type of Ordnance Stowed	Reason for Stowage
	A / I / S	KSF				
15A886	A	2.739	Y	*	*	7
15A887	A	2.739	Y	*	*	7
15A888	A	2.739	Y	*	*	7
15A889	A	2.739	Y	*	*	7
15A890	A	2.739	Y	*	*	7
15A891	A	2.739	Y	*	*	7
5A352	A	2.106	Y	*	*	7
5A357	A	2.106	Y	*	*	7
3A368	A	2.158	Y	*	*	7
3A369	A	2.158	Y	*	*	7
5A372	A	2.106	Y	*	*	7
5A374	A	2.106	Y	*	*	7
6A866[12]	A	1.200	Y	*	*	7
15A382	A	2.538	Y	*	*	7
15A388	A	2.538	Y	*	*	7
12A800	A	3.895	Y	*	*	7
12A801	A	3.895	Y	*	*	7
12A802	A	3.895	Y	*	*	7
12A803	A	3.895	Y	*	*	7
12A804	A	3.895	Y	*	*	7

*** One hundred two magazines will be added to WPNSTA Charleston's plant account between 1995 and 2000. These magazines are currently used by the Polaris Missile Facility Atlantic (POMFLANT) which is a tenant scheduled for closure in 1995. The magazines will be turned over to WPNSTA Charleston during 1997 (best case) or 2000 (worst case). These magazines are environmentally controlled and all are connected to an intruder detection system. The entire area is surrounded with double fencing and perimeter lighting. Exact loading of each magazine is not available at this time.**

[12] This facility includes four magazines.

8. Stowage Facilities, continued

8.2 Summarize the magazine characteristics reported in the Tables above (section 8.1) magazines. Table 8.2.a summarizes by location: list the total number of magazines for each type of magazine (e.g. igloo, box) at each location. Table 8.2.b summarizes by magazine type, across all locations.

Table 8.2.a: Facility Stowage Summary

Site: **WPNSTA Charleston**

Type of Magazine	Total This Type	Square Footage (Gross Interior)			
		Adequate	Substandard	Inadequate	Total
SP&P	**50**	**250,000**	**0**	**0**	**250,000**
IGLOO	**60**	**112,500**	**0**	**0**	**112,500**
BOX	**32**	**97,789**	**0**	**0**	**97,789**
DOUBLE ARCH	**1**	**1,300**	**0**	**0**	**1,300**
F&D	**17**	**2,380**	**0**	**0**	**2,380**
EXPL. MAG.	**102**	**280,573**			**280,573**
	Total:	**744,542**	**0**	**0**	**744,542**

Table 8.2.b: Facility Stowage Summary

Type Magazine: **See Table 8.2a (All Magazines located one site)**

Location	Total # Magazines	Square Footage			
		Adequate	Substandard	Inadequate	Total
WPNSTA Charleston	**262**	**744,542**			**744,542**
	Total:	**744,542**			**744,542**

8. Stowage Facilities, continued

8.3 In accordance with NAVFACINST 11010.44E, an inadequate facility cannot be made adequate for its present use through "economically justifiable means". For all the facilities in section 8.1 and 8.2 above where inadequate facilities are identified, provide the following information:

a. Facility type/code:
b. What makes it inadequate?
c. What use is being made of the facility?
d. What is the cost to upgrade the facility to substandard?
e. What other use could be made of the facility and at what cost?
f. Current improvement plans and programmed funding:
g. Has this facility condition resulted in C3 or C4 designation on your BASEREP?

All WPNSTA Charleston explosive storage facilities are rated adequate.

8.4 For all facilities identified in the Tables of 8.1 as currently not in use for ordnance stowage, provide a brief explanation of its current use and identify its primary usage, if different.

All WPNSTA Charleston explosive storage facilities are used for ordnance storage.

8.5 If the facilities identified in Table 8.1 are distributed over a noncontiguous area (e.g. one or more Annexes, special areas, etc.), list by location all identified holdings. For any holdings detached from the main base, identify the distance from the primary activity.

Table 8.5: Facility Locations

Site (Full Title and location)	Distance
All storage facilities are located on WPNSTA Charleston.	**N/A**

Features and Capabilities

9. Other Facilities

9.1 Identify by facility number, giving condition code and total area, all those facilities under your cognizance utilized to perform the following functions: Intermediate and Depot level Maintenance (IM; DM) and Testing (T); Manufacturing (Mftg); In-Service Engineering (ISE); or Technical Support (TS) services.

Table 9.1: Condition of Other Facilities

Facility Number	Function	Condition (KSF)			Total
		Adequate	Substandard	Inadequate	
47	IM	1.3	0	0	1.3
58	DM	8.3	0	0	8.3
65	Mfgt & DM	10.0	0	0	10.0
74	DM & Mfgt	10.3	0	0	10.3
75	DM	6.5	0	0	6.5
79	IM	10.3	0	0	10.3
88	IM	10.4	0	0	10.4
93	DM	16.6	0	0	16.6
94	IM	6.6	0	0	6.6
274	IM	66.0	0	0	66.0
292	IM	250.0	0	0	250.0
296	DM & Mfgt	7.5	0	0	7.5
419	IM & DM	11.0	0	0	11.0

9.2 In accordance with NAVFACINST 11010.44E, an inadequate facility cannot be made adequate for its present use through "economically justifiable means". For all the facilities in section 9.1 above where inadequate facilities are identified, provide the following information:

a. Facility type/code:
b. What makes it inadequate?
c. What use is being made of the facility?
d. What is the cost to upgrade the facility to substandard?
e. What other use could be made of the facility and at what cost?
f. Current improvement plans and programmed funding:
g. Has this facility condition resulted in C3 or C4 designation on your BASEREP?

All facilities identified Table 9-1 are rated adequate.

9.3 An activity's expansion capability includes its ability to reconfigure / rehab existing underutilized facilities to accept new or increased requirements. Identify in the Table below the space available for expansion, by building type and facility number.

Table 9.3: Space Available for Expansion

Building Type	Facility Number	Installation Space (KSF)			Total KSF
		Adequate	Substandard	Inadequate	
Maint/Test	**79**	**10.3**	**0**	**0**	**10.3**
Maint/Test	**92**	**33.8**	**0**	**0**	**33.8**
Maint/Test	**850**	**14.7**	**0**	**0**	**14.7**
Maint/Test	**930**	**31.5**	**0**	**0**	**31.5**

Features and Capabilities

10. Workforce

10.1 Identify in Direct Labor Man Hours the workforce employed at your activity (all locations) for the period requested. Use the conversion standard of 1615 DLMHs per Work Year. Provide the Conversion Factor employed for computing DLMHs to DLMYs.

Conversion rate = **1615** DLMHs/DLMY

Table 10.1.a: Non-Military Personnel

	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Direct Labor	*	*	893,209	928,652	1,066,773	1,050,672	1,103,794	934,713
Overhead	*	*	817,726	806,575	736,178	766,235	790,401	791,721
Total	*	*	1,710,935	1,735,227	1,802,951	1,816,907	1,894,195	1,726,434

Table 10.1.b: Non-Military Personnel

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Direct Labor	852,250	735,000	885,500	927,500	**	**	**	**
Overhead	693,000	455,000	455,000	455,000	**	**	**	**
Total	1,545,250	1,190,000	1,340,500	1,382,500	**	**	**	**

*** Data not available.**

**** Biennial Financial Management Budget (BFMB) does not extend beyond FY 1997. No data currently available.**

Data Source: **FY 89 to FY 93 local BUD 002 report, FY 94 - 97 BFMB submit of NOCLANT.**

10. Workforce, continued

Table 10.1.c: Military Personnel

	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Direct Labor	*	*	*	*	**24**	**21**	**23**	**8**
Overhead	*	*	*	*	**99**	**151**	**141**	**134**
Total	*	*	*	*	**123**	**172**	**164**	**142**

Table 10.1.d: Military Personnel

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Direct Labor	**8**	**5**	**5**	**5**	**5**	*	*	*
Overhead	**69**	**70**	**46**	**46**	**46**	*	*	*
Total	**77**	**75**	**51**	**51**	**51**	*	*	*

*** Data Not Available**

Features and Capabilities, continued

11. Contractor Presence

11.1 If your activity provides space within your facilities for a contractor workforce, please list the facilities so provided. Identify the facility number, amount of space provided (KSF), name(s) of the contractor(s) supported (company), number of contractor personnel resident in your spaces, and function(s) performed by these contractors.

Table 11.1: Facilities for Contractor Support

Facility Number	(KSF)	Contractor(s)	# Personnel	Contractor Function(s)
*** Open Land**	**30**	**Day & Zimmerman**	**100**	**Housing Maint.**
*** Open Land**	**23**	**American Lawn**	**18**	**Grounds maint.**
*** Open Land**	**19**	**WML, INC**	**30**	**Grounds maint.**
*** Open Land**	**8**	**Arcada Chemical**	**43**	**Custodial services**
*** Open Land**	**19**	**Beneco, INC**	**3**	**Job order contract**
274	**.1**	**Hughes Aircraft Co.**	**1**	**MK 612 Test Set Maintenance**

Additional Comments: *** Mobile contractor facilities are in fenced compounds located on government property.**

Data Source: **Code 098 called all contractors.**

Features and Capabilities, continued

12. Berthing Capability

12.1 Identify the age and structural characteristics for each pier and wharf at your facility or under your cognizance by NAVFAC P-80 Category Code Number (CCN), and dimensions as requested. If unable to maintain the stated design dredge depth, provide explanatory comment following the Table. Identify water distance between adjacent piers, in lieu of slip width, where appropriate. Indicate if the pier is inside a Controlled Industrial Area or High Security Area and the Net Explosive Weight (NEW) ESQD limits, if applicable. Identify any additional controls required in the space following this Table. Identify the average number of days per year over the last eight years (the period FY 1987-1994) that the pier or wharf was out of service (OOS) for maintenance (including dredging of the associated slip).

Table 12.1: Pier and Wharf Characteristics

Pier or Wharf	Age	CCN	Moor Length (FT)	Design Dredge Depth (FT)(MLLW)	Slip Width (FT)	Pier Width (FT)	CIA / Security Area? (Y / N)	ESQD NEW Limit	Average Annual Days OOS
Alpha	**26**	**152-10**	**1000**	**37**	**unlimited**	**75**	**yes**	**1.0m**	**2**
Bravo	**40**	**151-10**	**1494**	**37**	**unlimited**	**51**	**yes**	**1.95m**	**2**
Charlie	**30**	**151-20**	**160**	**37**	**unlimited**	**101**	**yes**	**1.5m**	**2**
T. C.	**51**	**152-20**	**1530**	**37**	**unlimited**	**46**	**yes**	**.00121m**	**2**
Main	**6**	**155-21**	**490**	**15**	**unlimited**	**33**	**yes**	**none**	**2**
Boathouse	**6**	**155-21**	**650**	**15**	**24**	**13**	**yes**	**none**	**2**
S. 2312	**2**	**151-20**	**535**	**37**	**unlimited**	**35**	**yes**	**none**	**2**
N. 420	**6**	**151-20**	**930**	**37**	**unlimited**	**25**	**yes**	**none**	**2**

Data Source: **WPNSTA as-built/contract drawings.**

2. Berthing Capability, continued

12.2 Identify all MILCON improvements executed in the period FY 1986-1994 for each pier or wharf identified in Table 12.1

Table 12.2: Pier and Wharf MILCON

Pier or Wharf	Year MILCON Executed	Nature of Improvement
Structure 420	**1987**	**Lengthen pier, utility upgrades**
Structure 2312	**1992-93**	**New pier**

NOTE: Structure 420 is Pier X-ray which was upgraded to accommodate the Nuclear Power Training Unit (NPTU). Structure 2312 is an add-on to Pier X-ray to accommodate an expansion of NPTU.

Data Source: **WPNSTA built/contract drawings.**

12.3 List all ESQD waivers currently in effect, with expiration dates, for all applicable piers and wharves identified in Table 12.1.

Table 12.3: ESQD Waivers In Effect

Pier or Wharf	Nature of Waiver	Date Waiver Expires
NO WAIVERS EXIST OR ARE REQUIRED TO SUPPORT WPNSTA CHARLESTON'S ESQD ARCS		

12. Berthing Capability, continued

12.4 For all piers and wharves at your facility or under your cognizance, indicate which, if any, are RO/RO and/or aircraft accessible, and conditions which apply.

Table 12.4: Pier and Wharf Access

Pier or Wharf	RO/RO Access?	Aircraft Access?
Wharf A	**Yes**	**Yes**
Pier B	**No**	**Yes ***
Pier C	**No**	**No ***
Transportation Corps (TC) Dock	**Yes**	**No**

*** A helicopter landing site is located between Pier B and C.**

12.5 How much pier space is required to berth and support ancillary craft (tugs, barges, floating cranes, etc.) currently at your facility? Indicate if certain piers are uniquely suited to support these craft.

None required at this time; however, see statement at question 12.8 relative to unique capability to support ancillary craft.

12. Berthing Capability, continued

12.6 Identify the ship support characteristics for each Pier and Wharf under your activity's cognizance. Indicate if the pier or wharf is listed in OPNAVINST 3000.8. For Compressed Air and Oily Waste disposal, list only permanently installed facilities. For steam, indicate below the Table if any piers or wharves provide certified steam. If any permanent fendering arrangement limits apply, identify them in the space following the Table.

Table 12.6: Pier and Wharf Ship Support Characteristics

Pier/ Wharf	NPW Berth? (Y / N)	KVA		Comp. Air Pressure & Max Capability	Potable Water (GPD)	CHT (GPD)	Oily Waste (GPD) *	Steam (LBM/HR & PSI)	Fendering Limits (Y/N)
		Shore Power	13,800 V Primary 480 V Secondary						
	Include answer in separate Annex								
Alpha		x	3,000 KVA		1.13 M	904 K	none	none	y
Bravo		x	5,000 KVA		1.49 M	1,192 K	none	21,000/ 80 psi	y
Charlie		x	7,500 KVA		1.42 M	1,136 K	none	28,500/ 80 psi	y
T. C.			0			0	none	none	y
Main			0			0	none	none	y
Boathouse			0			0	none	none	n
S. 2312		x	6,500 KVA		1.86 M	1,488 K	none	none	y
N. 420		x	6,500 KVA		1.86 M	1,488 K	none	none	y

Additional comments: *** WPNSTA Charleston has three 5,000 gallon tanker trucks & one 7,000 gallon tanker truck to collect waste and transport to disposal.**

Data Source: **WPNSTA Public Works drawings, contract documents.**

12. Berthing Capability, continued

12.7 For each pier and wharf listed above, state today's normal loading by ship class with current facility ship loading, the maximum berthing, maximum berthing for weapons handling evolutions, and maximum berthing to conduct maintenance. For ordnance handling capability, identify the maximum number of ships that can be moored at each pier or wharf to conduct ordnance handling evolutions, without necessitating berth shifts. Incorporate all applicable safety, ESQD, and access limitations. Include comments below the Table if necessary. For berthing in support of maintenance, list the maximum number of ships that can be serviced in maintenance availabilities at each pier or wharf without necessitating berth shifts to accommodate crane, laydown or access limitations. Provide any additional comments in the space following the Table.

Table 12.7: Pier and Wharf Normal Loading

Pier or Wharf	Typical Steady State Loading	Maximum Ship Berthing	Ordnance Handling Pierside?	Perform Maintenance Pierside?
Wharf A	**See Note 1**	**2**	**1***	**0**
Pier B	**See Note 1**	**2**	**1***	**0**
Transportation Corps (TC) Dock	**See Note 2**	**2**	**No**	**1**

Note 1: Either facility may berth any combination of AE's, Combatants, or Submarines when that combination does not exceed the N.E.W. reported on Table 12.1 for that berth.

Note 2: TC Dock is used to load general cargo, mechanized equipment, POV's for service members stationed over seas, and other non-explosive cargo. Handles RORO ships.

*** Maintenance may be performed at all piers and wharfs; however, maintenance operations are restricted at sites when ordnance loading is being performed. Pier B can support cold iron maintenance evolutions.**

12. Berthing Capability, continued

12.8 How much pier space is required to berth and support ancillary craft (tugs, barges, floating cranes, etc.) currently at your facility? Indicate if certain piers are uniquely suited to support these craft.

None at this time, however capability exists to berth and support tugs and floating cranes at finger piers and dolphins adjacent to the Transportation Dock.

12.9 What is the average pier loading in ships per day due to visiting ships at your facility/piers or wharves under your cognizance? Indicate if this varies significantly by season.

One per day. No seasonal variance.

12.10 Given no funding or manning limits, what modifications or improvements would you make to the waterfront infrastructure to increase the cold iron ship berthing capability of your installation/under your cognizance. Provide a description, cost estimates, and additional capability gained.

Cold iron ship berthing currently available at Piers B and C. Installation of a steam system on Wharf A would increase cold iron capability by two ships, at an estimated cost of $595,000.

12.11 Describe any unique limits or enhancements on the berthing of ships at specific piers or wharves under your cognizance.

No known limitations have been identified.

Features and Capabilities, continued

13. Physical Space for Industrial Support

13.1 Identify in the table below the real estate resources which have the potential to facilitate future development and for which you are the plant account holder or into which, though a tenant, your activity could reasonably expect to expand. Complete a separate table for each individual site, i.e., main base, outlying airfields, special off-site areas, etc. The unit of measure is acres. Developed area is defined as land currently with buildings, roads, and utilities where further development is not possible without demolition of existing improvements. Include in "Restricted" areas that are restricted for future development due to environmental constraints (e.g. wetlands, landfills, archaeological sites), operational restrictions (e.g. ESQD arcs, HERO, HERP, HERF, AICUZ, ranges) or cultural resources restrictions. Identify the reason for the restriction when providing the acreage in the table. Specify any entry in "Other" (e.g. submerged lands).

Table 13.1: Real Estate Resources

Site Location: **WPNSTA Charleston**

Land Use	Total Acres	Developed Acreage	Available for Development	
			Restricted	Unrestricted
Maintenance	**0**			
Operational	**9,905.4**	**9,905.4**		
Training	**11.5**	**11.5**		
R & D	**0**			
Supply & Storage	**4.1**	**4.1**		
Admin	**152.8**	**152.8**		
Housing	**539.9**	**539.9**		
Recreational	**1,392.5**	**0**		
Navy Forestry Program	**9,498.0**	**N/A**		**1,691.5**
Navy Agricultural Outlease Program	**0**		**N/A**	**N/A**
Hunting/Fishing Programs	*		**N/A**	**N/A**
Other				
Total:	**21,504.2 ****	**10,613.7**	**N/A**	**1,691.5**

*** Acreage varies depending on operational constraints and seasons.**

**** Actual total WPNSTA Charleston acres is 17,221. Navy Forestry Program overlaps with other land use categories.**

Data Source: **WPNSTA general development maps dtd 16 Sep 90 & WPNSTA Master Plan dtd Oct 88**

13. Physical Space for Industrial Support, continued

13.2 Identify the general infrastructure and load capabilities for each base complex under your cognizance in the table below. Reproduce Table 13.2 for each non-contiguous location (e.g. detachments).

Table 13.2: Base Utilities and Support Services

Site: **WPNSTA Charleston**

Capability	On Base Capacity	Off Base Longterm Contract	Normal Steady State Load	Peak Demand
Electrical Supply (KWH)	**67.5 mva**	**20,200 kw**	**151,166,400 kwh/yr**	**15,624,000 kwh/mo**
Natural Gas (CFH)				
Sewage treatment (GPD)	**0**	**1.2 mgd**	**1.1 mgd**	**2.2 mgd**
Potable Water (GPD)	**3.6 mpd**		**1.5 mgd**	**2.244 mgd**
Steam (lbm/Hr)				
Long-term Parking	**337,069 sy**	**N/A**	**unknown**	
Short-term parking	**15,970 sy**	**N/A**	**unknown**	

Notes: mva=1000 kva, va=volt amperes, mgd=million gallons/day.
Data Source: **Utility contracts (SCE&G, Chasn CPW, BCW&SA) and code 09 financial records of past billings, and base maps.**

Features and Capabilities, continued

14. Facility Measures

14.1 Identify the facility and equipment values for all activities under your cognizance in the Table below, as executed and budgeted for the period requested. As applied herein:

- Maintenance of Real Property (MRP) is the budgetary term gathering the expenses or budget requirements for facility work and includes recurring maintenance, major repairs and minor construction (non-MILCON) inclusive of all Major Claimant funded Special Projects. It is the amount of funds spent on or budgeted for maintenance and repair of real property assets to maintain the facility in satisfactory operating condition. For purposes of this Data Call, MRP includes all M1/R1 and M2/R2 expenditures.
- Current Plant Value (CPV) refer to incorporates Class 2 Real Property and is the hypothetical dollar amount required to replace a Class 2 facility in kind at today's dollars (e.g.: the cost today to replace an existing wood frame barracks with another barracks, also wood frame).
- Acquisition Cost of Equipment (ACE) reports the total cumulative acquisition cost of all "Personal Property" equipment which includes the cost of installed equipments directly related to mission execution (such as lab test equipment). Class 2 installed capital equipment which is integral to the facility should not be reported as ACE.

Table 14.1: Expenditures and Equipment Values

FY	MRP ($ K)	CPV ($ K)	ACE ($ K)
1986		**492,527**	
1987	**8,334.372**	**527,498**	**6,095**
1988	**10,776.267**	**579,199**	**6,959**
1989	**12,325.544**	**Hurricane Hugo**	**3,335**
1990	[13] **28,011.500**	**614,499**	**2,945**
1991	**17,915.666**	**626,434**	**2,511**
1992	**10,186.500**	**653,823**	**495**
1993	**12,577.621**	**650,699**	**63**
1994	**9,303.900**		**408**
1995	**9,609.300**		**334**
1996	**9,113.900**		**1,548**
1997	**8,936.300**		**270**

This includes WPNSTA Charleston (N00193), POMFLANT (N63028), and NAVELEX (N65236)

Data Source: **(MRP/CPV) Code 09A1 (Finance). Prior, current, & future budgets.**
(ACE) Code 051F. Financial files, FCH460, current and future budgets.

[13] Increase due to Hugo repairs

Features and Capabilities, continued

15. Personnel Support Facility Data

15.1 Housing and Messing. Provide data on the BOQs and BEQs assigned to your current plant account. The unit of measure for this capability is number of people housed. Use CCN to differentiate between pay grades (i.e., E1-E4, E5-E6, E7-E9, CWO-O2, O3 and above).

Table 15.1: Bachelor Housing Facilities

Facility Type, Bldg. # & CCN	Total # Beds	Total # Rooms	Adequate		Substandard		Inadequate	
			Beds	SF	Beds	SF`	Beds	SF
BEQ, B-909 E1-E4	**36**	**23**	**36**	**4,887**				
E5-E6	**2**	**2**	**2**	**6,900**				
E7-E9	**0**	**0**						
CWO-02 >	**0**	**0**						

Facility Type, Bldg. # & CCN	Total # Beds	Total # Rooms	Adequate		Substandard		Inadequate	
			Beds	SF	Beds	SF`	Beds	SF
BEQ, B-304 E1-E4	**244**	**104**	**244**	**61,285**				
E5-E6	**4**	**2**	**4**	**2,402**				
E7-E9	**0**	**0**						
CWO-02 >	**0**	**0**						

15.2 In accordance with NAVFACINST 11010.44E, an inadequate facility cannot be made adequate for its present use through "economically justifiable means". For all the categories above where inadequate facilities are identified provide the following information:

N/A

a. Facility type/code:
b. What makes it inadequate?
c. What use is being made of the facility?
d. What is the cost to upgrade the facility to substandard?
e. What other use could be made of the facility and at what cost?
f. Current improvement plans and programmed funding:

g. Has this facility condition resulted in C3 or C4 designation on your BASEREP?

15. Personnel Support Facility Data, continued

15.3 Provide data on the BOQs and BEQs projected to be assigned to your plant account in FY 1997. The desired unit of measure for this capacity is people housed. Use CCN to differentiate between pay grades, i.e., E1-E4, E5-E6, E7-E9, CWO-O2, O3 and above.

Table 15.3: Bachelor Housing Facilities

Facility Type, Bldg. # & CCN	Total # Beds	Total # Rooms	Adequate		Substandard		Inadequate	
			Beds	SF	Beds	SF	Beds	SF
BEQ B-909 E1-E4	**36**	**23**	**36**	**4,887**				
E5-E6	**2**	**2**	**2**	**6,900**				
E7-E9	**0**	**0**						
CWO-02 >	**0**	**0**						

Facility Type, Bldg. # & CCN	Total # Beds	Total # Rooms	Adequate		Substandard		Inadequate	
			Beds	SF	Beds	SF	Beds	SF
BEQ B-304 E1-E4	**244**	**104**	**244**	**61,285**				
E5-E6	**4**	**2**	**4**	**2,402**				
E7-E9	**0**	**0**						
CWO-02 >	**0**	**0**						

15.4 In accordance with NAVFACINST 11010.44E, an inadequate facility cannot be made adequate for its present use through "economically justifiable means". For all the categories above where inadequate facilities are identified provide the following information:

Not Applicable

a. Facility type/code:
b. What makes it inadequate?
c. What use is being made of the facility?
d. What is the cost to upgrade the facility to substandard?
e. What other use could be made of the facility and at what cost?
f. Current improvement plans and programmed funding:

g. Has this facility condition resulted in C3 or C4 designation on your BASEREP?

15. Personnel Support Facility Data, continued

15.5 Provide data on the messing facilities assigned to your current plant account.

Table 15.5: Messing Facilities

Facility Type, CC and Bldg. #	Total SF	Adequate		Substandard		Inadequate		Avg # Noon Meals Served
		Seats	SF	Seats	SF	Seats	SF	
Enlisted Dining Facility, B-306 E1-E9	**1,995**	**72**	**1,995**					**132**

15.6 In accordance with NAVFACINST 11010.44E, an inadequate facility cannot be made adequate for its present use through "economically justifiable means". For all the categories above where inadequate facilities are identified provide the following information:

Not Applicable

a. Facility type/code:
b. What makes it inadequate?
c. What use is being made of the facility?
d. What is the cost to upgrade the facility to substandard?
e. What other use could be made of the facility and at what cost?
f. Current improvement plans and programmed funding:
g. Has this facility condition resulted in C3 or C4 designation on your BASEREP?

15. Personnel Support Facility Data, continued

15.7 Provide data on the messing facilities projected to be assigned to your plant account in FY 1997.

Table 15.7: Messing Facilities

Facility Type, CC and Bldg. #	Total SF	Adequate		Substandard		Inadequate		Avg # Noon Meals Served
		Seats	SF	Seats	SF	Seats	SF	
Enlisted Dining Facility, B-306 E1-E9	**1,995**	**72**	**1,995**					**132**

15.8 In accordance with NAVFACINST 11010.44E, an inadequate facility cannot be made adequate for its present use through "economically justifiable means". For all the categories above where inadequate facilities are identified provide the following information:

Not Applicable

a. Facility type/code:
b. What makes it inadequate?
c. What use is being made of the facility?
d. What is the cost to upgrade the facility to substandard?
e. What other use could be made of the facility and at what cost?
f. Current improvement plans and programmed funding:
g. Has this facility condition resulted in C3 or C4 designation on your BASEREP?

16. Training Facilities

16.1. By Category Code Number (CCN) (5 digits), complete the following student throughput capacity table for all training facilities (adequate, substandard and inadequate) aboard the installation, including tenant activities. Include all 171-*XX* and 179-*XX* CCNs and any other applicable CCN. Following the table, describe how the reported Student Hours/Year capacity was derived. Personnel Capacity (PN) is the total number of seats available for students in spaces used instruction, based on the current configuration and use of the facilities.

EX: A type of training facility in the category 171-10 is an academic instruction classroom. If you have 10 classrooms with a capacity of 25 students per room, the design capacity reported would be 250. If these classrooms are available 8 hours a day for 300 days in a year, the capacity would be 600,000 student hours per year.

Table 16.1: Training Facilities

Parent UIC	CCN	Type of Training Facility	Total # this Type	Personnel Capacity (PN)	Capacity (Student Hours/Year)
*	**171-10**	**Academic instruction classroom**	**23**	**47**	**7,833,600**

*** Nuclear Power Training Unit (NTPU) is a tenant located on WPNSTA Charleston. UIC's are: 47723, 47724, 47785, 47801, 49230, and 68898.**

Data Source: **NPTU**

16. Training Facilities, continued

16.2 By facility Category Code Number (CCN), provide the number of hours per year of classroom time required for each course of instruction taught at formal schools on your installation. Include all applicable 171-*XX* and 179-*XX* CCNs. For requirements, report in column "A" the number of students per requested year; report in "B" the number of hours each student spends in this training facility for each course; report in "C" the product (AxB), the number of hours of instruction per year.

Table 16.2: Formal Classroom Training

CCN: **171-10**

Type of Training Facility	School	Type of Training	FY 1993 Requirements			FY 2001 Requirements		
			A	B	C	A	B	C
Formal classroom training	**Nuclear Power Training Unit**	**Nuclear propulsion**	**1,088**	**128**	**139,264**	**1,088**	**128**	**139,264**

Data Source: **NPTU**

DATA CALL SUPPLEMENT
FOR
JOINT CROSS SERVICE GROUP - DEPOT MAINTENANCE

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DATA CALL SUPPLEMENT FOR JOINT CROSS SERVICE GROUP-DEPOT MAINTENANCE

This supplement is designed to facilitate the cross service analysis required of the 1995 Base Realignment and Closure (BRAC-95) process. It requests data in a standardized format that will be used by the Joint Cross Service Group-Depot Maintenance (JCSG-DM) to develop closure and realignment alternatives to be given to the Military Departments for their analysis and final recommendations. The JCSG-DM Data Call consists of two sections, one for capacity measurements and a second measuring "measures of merit". This Data Call has been formatted to assist the preparer in providing the required information with the minimum amount of effort. If questions arise, contact your Military Department BRAC-95 office for clarification.

Notes in the context of this data call:

1. Base your responses on workload as programmed for your activity. Unless otherwise specified, use workload mixes as programmed in the FYDP.
2. Direct Labor Hours (DLH) is the common unit of measure unless specifically noted otherwise in the question.
3. Information requested in this supplement may duplicate data requested by BRAC 95 data calls from the individual Military Departments. If this occurs, read both questions carefully to ensure that they are in fact asking for identical information, and if that is the case, transfer information from one data call to the other.
4. These questions should be passed up and down the chain of command without editing or rewriting. This standardized data call is designed to support an auditable process by having each activity (regardless of Military Department assigned) respond to the same question.
5. "Core" capability calculations are to be performed in accordance with Office of the Under Secretary of Defense (Logistics) Memorandum dated November 15, 1993 (Subject: Policy for Maintaining Core Depot Maintenance Capability).
6. Capacity and utilization index calculations will be performed in accordance with the Defense Depot Maintenance Council approved update to DoD 4151.15H (Depot Maintenance Capacity/Utilization Index Measurement) dated December 5, 1990.
7. All calculations will assume a one shift, 40 hour work week.
8. Workload, capabilities, and capacities will be measured by commodity groups. A detailed breakout of the JCSG-DM commodity groups is contained in the following box. Insert the commodity groups applicable to your depot maintenance activity into the tables whenever a specific break out is requested by the question. Individual Military Departments in their Service specific data calls, may measure data in different commodity groups or categories, but for the Joint Cross Service analysis, these commodity groups must be utilized.
9. Data will be amounts as of the end of the applicable fiscal year.

Commodity Groups List

1. Aircraft Airframes:
   a. Rotary
   b. VSTOL
   c. Fixed Wing
      (1) Transport / Tanker / Bomber /
      (2) Command and Control
      (3) Light Combat
      (4) Admin / Training
   d. Other

2. Aircraft Components
   Dynamic Components
   Aircraft Structures
   Hydraulic/Pneumatic
   Instruments
   Landing Gear
   Aviation Ordnance
   Avionics/Electronics
   APUs
   Other

3. Engines (Gas Turbine)
   Aircraft
   Ship
   Tank
   Blades / Vanes (Type 2)

4. Missiles and Missile Components
   Strategic
   Tactical / MLRS

5. Amphibians
   Vehicles
   Components (less GTE)

6. Ground Combat Vehicles
   Self-propelled
   Tanks
   Towed Combat Vehicles
   Components (less GTE)
7. Ground and Shipboard Communications
   and Electronic Equipment
   Radar
   Radio Communications
   Wire Communications
   Electronic Warfare
   Navigational Aids
   Electro-Optics / Night Vision
   Satellite Control / Space Sensors

8. Automotive / Construction Equipment

9. Tactical Vehicles
   Tactical Automotive Vehicles
   Components

10. Ground General Purpose Items
    Ground Support Equipment (except aircraft)
    Small Arms / Personal Weapons
    Munitions / Ordnance
    Ground Generators
    Other

JOINT CROSS SERVICE - DEPOT MAINTENANCE

Table of Acronyms

$/DLH	Cost per Direct Labor Hour
$K	Thousands of Dollars
ADMIN	Administrative; administration
AICUZ	Air Installations Compatible Use Zone
AOC$	Annual Operating Cost (dollars)
CCN	Category Code Number
DBOF	Defense Business Operating Fund
DLH	Direct Labor Hour
DoD	Department of Defense
ESQD	Explosive Safety Quantity Distance
FMS	Foreign Military Sales
FY	Fiscal Year
FYDP	Future Year Defense Plan
GTE	Gas Turbine Engines
HERF	Hazardous Electronic Radiation - Fuels
HERO	Hazardous Electronic Radiation - Ordnance
HERP	Hazardous Electronic Radiation - Personnel
JCSG-DM	Joint Cross Service Group - Depot Maintenance
KSF	Thousands of Square Feet
PRV	Plant Replacement Value
R&D	Research and Development
RPM	Real Property Maintenance
SF	Square Feet
WG	Wage Grade

DATA CALL SUPPLEMENT
FOR
JOINT CROSS SERVICE GROUP - DEPOT MAINTENANCE

CAPACITY

1. Capacity Utilization

1.1 Calculate the capacity index for the commodity groups applicable to depot maintenance work at your activity. Provide your answers expressed in direct labor hours (DLHs) in Table 1.1.a by commodity groups for the Fiscal Years requested.

Table 1.1.a: Capacity Index

COMMODITY GROUP	INDEX (DLHs)				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
OTHER (INERT)	**24,000**	**24,000**	**24,000**	**24,000**	**24,000**
MUNITIONS/ ORDNANCE	**2,000**	**2,000**	**2,000**	**2,000**	**2,000**
TOTAL	**26,000**	**26,000**	**26,000**	**26,000**	**26,000**

OTHER (INERT): Workload includes depot level maintenance of MK46, MK48, and Surface Launched Missile System containers, and MK48 Torpedo Mounted Dispensers. Additionally, work includes depot level maintenance of MILVAN containers in support of the US Marines and US Army Prepositioning Programs.

MUNITIONS/ORDNANCE: Workload includes renovation of conventional ammunition.

1. Capacity Utilization, continued

1.2 Calculate the utilization index for the commodity groups applicable to depot maintenance work at your activity. Provide your answers expressed as a percentage (%) in Table 1.2.a by commodity groups for the Fiscal Years requested.

Table 1.2.a: Utilization Index

COMMODITY GROUP	INDEX (%)				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
OTHER (INERT)	**89**	**88**	**87**	**87**	**87**
MUNITIONS/ ORDNANCE	**90**	**0**	**0**	**0**	**0**
TOTAL	**179**	**88**	**87**	**87**	**87**

1.3 Assuming (a) the current projected total workload remains as assigned; (b) that sufficient production demand is available to justify maximum hiring, with no significant investment in capital equipment; and (c) no major Military Construction additional to that already approved and funded: what is the maximum extent to which operations, by commodity group, could be expanded for depot maintenance work at your activity, based on the current and future planned workload mixes? Please provide your response in the absolute maximum number of direct labor hours (DLHs).

Table 1.3.a: Maximum Potential Capacity

COMMODITY GROUP	INDEX (DLHs) **(000's)**				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
OTHER (INERT)	**47.6**	**47.6**	**47.6**	**47.6**	**47.6**
MUNITIONS/ ORDNANCE	**10.7**	**10.7**	**10.7**	**10.7**	**10.7**
TOTAL	**58.3**	**58.3**	**58.3**	**58.3**	**58.3**

CAPACITY

2. Plant Replacement Value

2.1 What is the estimated Plant Replacement Value (PRV) as of the end of each Fiscal Year of your depot maintenance activity expressed in thousands of dollars ($K) as a function of the facilities and equipment? Provide your answer in Table 2.1.

Table 2.1: Expenditures and Equipment Values

PRV	$ K				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
Facilities	**8,525**	**8,951**	**9,398**	**9,868**	**10,362**
Equipments	**2,978**	**3,127**	**3,283**	**3,447**	**3,620**
TOTAL	**11,503**	**12,078**	**12,661**	**13,315**	**13,982**

CAPACITY

3. Programmed Workload

3.1 Given the current configuration and operation of your activity, provide the programmed depot level workload by commodity group in Tables 3.1.a and 3.1.b. Express your answer in both dollars ($K) and direct labor hours (DLH) for the Fiscal Years requested.

Table 3.1.a: Programmed Workload

COMMODITY GROUP	$ K (000)				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
OTHER (INERT)	**1,583.4**	**1,967.5**	**1,948.8**	**1,948.8**	**1,948.8**
MUNITIONS/ ORDNANCE	**159.3**	**0**	**0**	**0**	**0**
TOTAL	**1,742.7**	**1,967.5**	**1,948.8**	**1,948.8**	**1,948.8**

Table 3.1.b: Programmed Workload

COMMODITY GROUP	DLHs (000's)				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
OTHER (INERT)	**16.9**	**21.0**	**20.8**	**20.8**	**20.8**
MUNITIONS/ ORDNANCE	**1.8**	**0**	**0**	**0**	**0**
TOTAL	**18.7**	**21.0**	**20.8**	**20.8**	**20.8**

CAPACITY

4. Service Centers of Excellence

4.1 If your activity has been designated as a Service Center of Excellence for any of the commodity groups, please identify them below.

NOT APPLICABLE

DATA CALL SUPPLEMENT
FOR
JOINT CROSS SERVICE GROUP - DEPOT MAINTENANCE

MEASURES OF MERIT

Geographic

1. Location

1.1 Specify any special strategic importance or military value consideration of your activity accruing from its geographical location.

- **WPNSTA Charleston is a warm water, explosive loading port facility.**

- **Sizable land area allows collocation of large ordnance storage and maintenance capacity with ship explosive outloading capability.**

- **Large land mass cited for explosive operations with established ESQD arcs which all fall within the geographic boundaries of WPNSTA Charleston.**

- **Encroachment on the established boundaries and ESQD arcs of the WPNSTA are insulated by wetlands, restricted waterways, and roads.**

- **It is the only coastal activity with explosive storage, outload, and maintenance capability in the southeastern United States.**

- **This capability supports Navy, Marine Corps, and Army explosive operations.**

- **The Weapons Station geographical site meets support requirements for the Nuclear Power Training Facility (NPTU).**

- **WPNSTA Charleston will upon, Naval Station Charleston closure, support the Mobile Mine Assembly Group (MOMAG) mission which is geographically linked to mine range off the Charleston, SC coast.**

- **It is the closest explosive loading port to the homeported ships located in GA, FL, and the Gulf of Mexico.**

- **WPNSTA Charleston's close proximity to the Charleston Air Force Base provides quick-trans support service for shipment of materials using the Military Air Transport.**

Geographic, continued

2. Environmental Compliance

Answers to the following questions need to reflect the particular workloads or processes affected by the environmental restrictions/compliance.

2.1 Is your activity in full compliance with all Federal, state, and local environmental regulations? If not in full compliance, provide a comprehensive list of individual regulations that require actions to be taken. What compliance waivers have been granted? When must the activity come into compliance?

Type Regulation Waiver (Date Expires) Date Must be in Compliance

We are in full compliance based upon the status of the latest inspections by federal, state, and local regulators.

2.2 Has any actual or programmed work at this installation been restricted or delayed because of environmental considerations, such as air or water quality? If so, provide the details of the impact of the restrictions or delays.

Programmed Work Restriction/Delay Describe Impact

No actual or programmed work has been restricted or delayed beyond the normal amount of time required to incorporate environmental impacts/requirements into the work.

Geographic, continued

3. Environmental Restrictions

Answers to the following questions need to reflect the particular workloads or processes affected by the environmental restrictions/compliance.

3.1 Are there any special programs relating to environmental or industrial waste considerations for your activity? If so, provide the details.

Special Program	Environmental/Industrial Waste	Describe
None		

3.2 Within what provisions must the activity operate with regard to disposal of hazardous wastes and radioactive materials?

Type	Provisions	Describe
Federal	**40CFR260-280**	**Hazardous waste management**
State	**R.61-79,260-280**	**Hazardous waste management**

No radioactive waste generation and disposal at WPNSTA Charleston.

Geographic, continued

4. Other Collocated Activities

4.1 Are there any collocated activities that directly benefit or relate to the depot maintenance activity? If yes, list and describe the impact of each. Include benefits derived from being collocated.

Collocated Activity	Benefit/Relationship	Describe Impact
Army Strategic Mobility Program	**Depot level maintenance to MILVANs**	

4.2 Do collocated activities support, or are they supported by, the depot maintenance activity?

Collocated Activity	Describe Relationship
The Army program is supported by WPNSTA Charleston.	

4.3 How would these activities and the depot maintenance activity function if they were not collocated?

Collocated Activity	Describe Impact if not Collocated
The DLM could be performed elsewhere; however, collocation with explosive storage capability and explosive outload facilities provides strategic and operation enhancements. Performance of depot level MILVAN repair at WPNSTA Charleston where the prepositioning operations for Marine and Army are conducted, allows immediate response to customer requirements for assets. Costs associated with establishing a ready reserve pool of serviceable containers and/or transportation of serviceable units from another site are eliminated. Containers are repaired and returned to serviceable condition within the normal ship maintenance cycle.	

Geographic, continued

5. Encroachment

5.1 Have operations at this activity been at all constrained to accommodate requests of the local communities?

Type of Encroachment	Operation Impacted	Describe

There have been no known requests from local communities. No operations have been restricted.

5.2 Indicate any encroachment constraints on current or future operations that would restrict future expansion.

Type of Encroachment	Constraint on Expansion	Describe

No encroachment constraints restrict future expansion.

MEASURES OF MERIT

Facilities and Equipage

6. Unique or Peculiar Facilities

6.1 List unique or peculiar facilities, excluding equipment (e.g. runways, railheads, ports, tracks, ponds, etc.).

Facility Describe Uniqueness/Peculiarity

Wharf A - NEW limit of 1.0 million pounds.
Pier B - NEW limit of 1.95 million pounds.
Pier C - NEW limit of 1.5 million pounds.
TC Dock - NEW limit of .00121 million pounds, fuel/defuel capability.
Open/Burn Open/Detonation Range - Approved Class C disposal site.
Stationary Demilitarization Furnace - Approved Class C disposal site.
Explosive Storage and Maintenance Facilities - Established ESQD arcs are on Government property.

6.2 Indicate the reasons that these facilities are required by the depot maintenance function.

Facility Reasons Required for Maintenance

The DLM supports the prepositioning programs operated by the US Army and US Marines at WPNSTA Charleston. These programs require the handling and storage of ordnance commodities and renovation of ammunition containers. Established ESQD arcs, sited explosive storage, maintenance, and production facilities provide this support.

6.3 How could the depot maintenance functions be performed without these specialized facilities?

Facility Describe Testing Alternatives

The DLM could be performed elsewhere; however, collocation with explosive storage capability and explosive outload facilities provides strategic and operation enhancements. Performance of depot level MIL-VAN repair at WPNSTA Charleston where the prepositioning operations for Marine and Army are conducted, allows immediate response to customer requirements for assets. Costs associated with establishing a ready reserve pool of serviceable containers and/or transportation of serviceable units from another site are eliminated. Containers are repaired and returned to serviceable condition within the normal ship maintenance cycle.

Facilities and Equipage, continued

7. Buildings and Their Condition

7.1 List the buildings used to perform the depot maintenance functions by category code numbers (five or six digit CCNs), identifying their current condition (adequate, substandard, and inadequate) in Table 7.1 in thousands of square feet (KSF).

Table 7.1: Facility Conditions

CCN	Facility Type	Condition / Area (# KSF)			Comments
		Adequate	Substandard	Inadequate	
216-10	**CONVENTIONAL AMMO B-419**	**11.0**	**0**	**0**	
216-40	**MPF MILVAN DLM B-58**	**8.3**	**0**	**0**	
218-10	**MK46/48 DLM B-65**	**10.0**	**0**	**0**	
421-32	**SMS DLM B-75**	**6.5**	**0**	**0**	
421-32	**SMS DLM B-296**	**7.5**	**0**	**0**	
421-32	**MK46,48, & SMS DLM B-74**	**10.3**	**0**	**0**	
215-50	**MK48 TMD DLM B-93**	**16.6**	**0**	**0**	
	TOTAL	**70.2**	**0**	**0**	

Facilities and Equipage, continued

7.2 In Table 7.2.a, identify space available for expansion by building type for those facility category code numbers (five or six digit CCNs) that are most important to your mission. An activity's expansion capability is a function of its ability to reconfigure/rehabilitate existing underutilized facilities to accept new or increased requirements.

Table 7.2.a: Space Available for Expansion

Building ID / Type	CCN	Installation Space (KSF)			Total
		Adequate	Substandard	Inadequate	
MAINT/TEST B-930	**216-40**	**31.5**	**0**	**0**	**31.5**
MAINT/TEST B-79	**216-40**	**10.3**	**0**	**0**	**10.3**
MAINT/TEST B-92	**212-10**	**33.8**	**0**	**0**	**33.8**
	TOTAL:	**75.6**	**0**	**0**	**75.6**

Facilities and Equipage, continued

8. Unique and/or Peculiar Capabilities and Capacities

8.1 What unique and/or peculiar capabilities and capacities does the depot maintenance activity possess?

Depot Maintenance Capability/Capacity	Describe Why Unique/Peculiar
DLM for ammunition MIL-VANS	**Single authorized and certified east coast DLM repair facility for ammunition containers.**

8.2 Separately list the depot maintenance facilities and equipment which are one of a kind within the Service and/or DoD.

Facility/Equipment	Describe Why It is One of a Kind
None	

Facilities and Equipage, continued

9. Acreage Available for Building

9.1 What acreage on the installation does the government own in the proximity of the depot maintenance area that could be used for future expansion? Identify in the table below the real estate resources which have the potential to facilitate future development and for which you are the plant account holder or into which, though a tenant, your activity could reasonably expect to expand. Developed area is defined as land currently with buildings, roads, and utilities where further development is not possible without demolition of existing improvements. Report in "Restricted" areas that are restricted for future development due to environmental constraints (e.g. wetlands, landfills, archaeological sites), operational restrictions (e.g. ESQD arcs, HERO, HERP, HERF, AICUZ, ranges) or cultural resources restrictions. Identify the reason for the restriction when providing the acreage.

Table 9.1: Real Estate Resources

Site Location: **WPNSTA Charleston**

Land Use	Total Acres	Developed Acreage	Available for Development	
			Restricted	Unrestricted
Maintenance	**0**			
Operational	**9,905.4**	**9,905.4**		
Training	**11.5**	**11.5**		
R & D	**0**			
Supply & Storage	**4.1**	**4.1**		
Admin	**152.8**	**152.8**		
Housing	**539.9**	**539.9**		
Recreational	**1,392.5**	**0**		
Navy Forestry Program	**9,498.0**	**N/A**		**1,691.5**
Navy Agricultural Outlease Program	**0**		**N/A**	**N/A**
Hunting/Fishing Programs	*		**N/A**	**N/A**
Other				
Total:	**21,504.2 ****	**10,613.7**	**N/A**	**1,691.5**

*** Acreage varies depending on operational constraints and seasons.**

**** Actual total WPNSTA Charleston acres is 17,221. Navy Forestry Program overlaps with other land use categories.**

Data Source: **WPNSTA general development maps dtd 16 Sep 90 & WPNSTA Master Plan dtd Oct 88**

Facilities and Equipage, continued

10. Administrative Space

10.1 What amount in square feet of administrative space could be made available to the depot maintenance function?

Current Use	Square Feet	Potential Use (Be Specific)

None

11. Industrial Waste

11.1 Are there any inhibiting factors that would limit future expansion on the base? Provide details if applicable.

Inhibiting Factor	Provide Detailed Description

Facilities and equipage to support Industrial Waste is sufficient for current and future expansion. Local Publicly Owned Treatment Works can easily accept increased waste volumes. Any additional on station treatment/pretreatment facilities required could be easily obtained. Local disposal capacity for solid industrial waste (i.e. paint wastes, asbestos waste, abrasive blast waste, petroleum contaminated soil/solids) is sufficient to support current needs and any future expansions. Sufficient current and future expansion capacity exists for industrial waste recycling needs (i.e. batteries, scrap metal, etc.)

MEASURES OF MERIT

Workload and Capabilities

Answers to the following questions are to reflect programmed amounts by commodity group, by activity in direct labor hours by Fiscal Year for FY 1996 through FY 1999.

12. Core Capabilities (DoD)

12.1 What is the amount of core capability required to support your own Service? Provide your answers in Table 12.1.a by commodity group for the Fiscal Years requested.

Table 12.1.a: Service Required Core

COMMODITY GROUP	Capability (DLHs) **(000's)**			
	FY 1996	FY 1997	FY 1998	FY 1999
OTHER (INERT)	**38.3**	**38.3**	**38.3**	**38.3**
MUNITIONS/ ORDNANCE	**10.7**	**10.7**	**10.7**	**10.7**
TOTAL	**49.0**	**49.0**	**49.0**	**49.0**

Workload and Capabilities, continued

12. Core Capabilities (DoD), continued

12.2 What is the amount of capability retained for the performance of other Services core? Provide your answers in Table 12.2.a by commodity group for the Fiscal Years requested.

Table 12.2.a: Core Capability Retained for Other Services

COMMODITY TYPE	Capability (DLHs) **(000's)**			
	FY 1996	FY 1997	FY 1998	FY 1999
OTHER (INERT) US ARMY	**9.3**	**9.3**	**9.3**	**9.3**
TOTAL	**9.3**	**9.3**	**9.3**	**9.3**

NOTE: DLM performed to Army Prepositioning Program ammunition containers.

12.3 What portion of the Service Core capability identified in the 12.1a above is identified as Service-Controlled Core (Title 10 responsibility)? Provide your answer in Table 12.3.a by commodity group for the Fiscal Years requested.

Table 12.3.a: Service-Controlled Core (Title 10)

COMMODITY GROUP	Capability (DLHs) **(000's)**			
	FY 1996	FY 1997	FY 1998	FY 1999
OTHER (INERT)	**38.3**	**38.3**	**38.3**	**38.3**
MUNITIONS/ ORDNANCE	**10.7**	**10.7**	**10.7**	**10.7**
TOTAL	**49.0**	**49.0**	**49.0**	**49.0**

Workload and Capacities, continued

13. Core Workloads

13.1 What are your total Core Workloads to be applied against capabilities identified in Tables 12.1a and 12.2a? Provide your answer (DLH) in Table 13.1.a by commodity group for the Fiscal Year requested.

Table 13.1a Total Core Workloads

COMMODITY GROUP	Workload (DLHs) **(000's)**			
	FY 1996	FY 1997	FY 1998	FY 1999
OTHER (INERT)	**16.5**	**16.3**	**16.3**	**16.3**
OTHER (INERT) ARMY	**4.5**	**4.5**	**4.5**	**4.5**
MUNITIONS/ ORDNANCE	**0**	**0**	**0**	**0**
TOTAL	**21.0**	**20.8**	**20.8**	**20.8**

Workload and Capabilities, continued

14. Other Workloads (Above Core)

14.1 What above core workloads do you perform by these source categories? Use the most appropriate category, but do not duplicate workload on more than one table. Provide answers in Tables 14.1.a through 14.1.g by commodity group for the Fiscal Years requested.

No FMS above core workload performed - Table 14.1a

No interservice above core workload performed - Table 14.1b

No other agency above core workload performed - Table 14.1c

No last source of repair workload performed - Table 14.1d

No within service above core workload performed - Table 14.1e

No low quantity above core workload performed - Table 14.1f

No "all other workload" above core performed - Table 14.1g

Workload and Capabilities, continued

15. Unique and/or Peculiar Workloads (Refer to Question 8.1)

15.1 What amount of the workload reported in question 8.1 is Core? Provide your answer in Table 15.1 by commodity groups for the Fiscal Years requested.

Table 15.1: Unique and/or Peculiar Total Core Workload

COMMODITY GROUP	Workload (DLHs) **(000's)**			
	FY 1996	FY 1997	FY 1998	FY 1999
OTHER (INERT) MARINE MPF	**7.8**	**7.8**	**7.8**	**7.8**
OTHER (INERT) ARMY PREPO	**4.5**	**4.5**	**4.5**	**4.5**
TOTAL	**12.3**	**12.3**	**12.3**	**12.3**

15.2 What amount of the workload reported in question 8.1 is non-Core? Provide your answer in table 15.2 by commodity group for the Fiscal Years requested.

None applicable - Table 15.2

Workload and Capabilities, continued

16. Scope of Work Performed

16.1 Indicate the services/functions performed at this activity that are associated with depot maintenance, but not generally classified or considered as integral to the depot maintenance functions.

Service/Function	Description
Explosive Ordnance handling, storage, and outload operations.	**Wharf A - NEW limit of 1.0 million pounds.** **Pier B - NEW limit of 1.95 million pounds.** **Pier C - NEW limit of 1.5 million pounds.** **TC Dock - NEW limit of .00121 million pounds, fuel/defuel capability.** **Open/Burn Open/Detonation Range - Approved Class C disposal site.** **Stationary Demilitarization Furnace - Approved Class C disposal site.** **Explosive Storage and Maintenance Facilities - Established ESQD arcs are on Government property.**

16.2 Describe how these services/functions are related to accomplishment of the depot maintenance mission, and the benefits of these relationships.

Service/Function	Describe Relationship and Benefit to Maintenance Mission

These services provide essential capabilities for the prepositioning programs operated by the US Army and US Marines at WPNSTA Charleston. These programs require the handling and storage of ordnance commodities, the renovation of ammunition containers, and the outload of explosive laden MILVANs as well as general cargo loads . Established ESQD arcs, cited explosive storage, maintenance and production facilities, and explosive handling piers and Wharfs provide this support.

Workload and Capabilities, continued

17. Interface with Customers

17.1 Indicate any special functions that the depot maintenance function performs that require close interface with customers, such as on-site workloads (e.g. technical assistance, crash/battle damage repairs, modification/upgrade installations).

Service/Function	Describe Required Interface/Relationship/Benefit

Performance of depot level MIL-VAN repair at WPNSTA Charleston where the prepositioning operations for Marine and Army are conducted, allows immediate response to customer requirements for assets. Costs associated with establishing a ready reserve pool of serviceable containers and/or transportation of serviceable units from another site are eliminated. Containers are repaired and returned to serviceable condition within the normal ship maintenance cycle.

MEASURES OF MERIT
Costs [14]

18. Real Property Maintenance (RPM)

18.1 What is your activity's backlog of real property maintenance for facilities performing depot maintenance as of 30 September 1993 (express in $K)?

None

18.2 What were your activity's annual RPM expenses (in $K) for Fiscal Years 1990-1993? Provide your answers in Table 18.2.

Table 18.2: Real Property Maintenance Expenses

	FY 1990	FY 1991	FY 1992	FY 1993
RPM Expenses ($K)	**163.8**	**172.5**	**181.5**	**191.0**

19. Annual Operating Costs (Excludes Materials used in Depot Maintenance Workloads)

19.1 What were the total depot maintenance actual annual operating costs for your activity (AOC/$K), excluding materials, used in depot maintenance workloads for Fiscal Years 1990-1993? What was the cost per direct labor hour ($DLH) for actual executed hours reported in the DBOF? Provide your answers in Table 19.1.a.

Table 19.1: Annual Operating Costs

EXPENSE	FY 1990	FY 1991	FY 1992	FY 1993
AOC ($ K)	**1,287**	**973**	**779**	**1,006**
$ / DLH	**44.10**	**48.49**	**52.48**	**78.87**

[14] There are inherent differences in organizational structure and accounting systems across the Services. Consequently, cost accumulations vary considerably. This severely limits the comparability of the cost per direct labor hour ($/DLH) rates across Service lines.

Costs, continued

20. Environmental Compliance

20.1 What were your total depot maintenance actual and programmed environmental compliance costs (expressed in $K) for Fiscal Years 1990-1997? Provide your answers in Table 20.1.

Table 20.1: Environmental Compliance Costs

COST($K)	FY 1990	FY 1991	FY 1992	FY 1993	FY* 1994	FY 1995	FY 1996	FY 1997
Actual	**	**26**	**28**	**21**	**5**	**N/A**	**N/A**	**N/A**
Programmed	**	**28**	**29**	**26**	**20**	**18**	**17**	**15**

*** FY 94 is as of 4-33-94**
**** Unknown or data unavailable.**

20.2 If spending is accomplished as programmed above, what will be the remaining costs (backlog at the end of Fiscal Year 1997 expressed in $K) to bring existing facilities/equipment into environmental compliance?

21. Local Wage Rate

21.1 What were your Department of Labor local wage rates for a WG-11, step 3 for Fiscal Years 1991 through 1994?

Table 21.1: Wage Rate

Wage Rate	FY 1991	FY 1992	FY 1993	FY 1994
WG-11 / Step3	**$13.73 ph**	**$14.20 ph**	**14.46 ph**	**$14.77 ph**

Costs, continued

22. Programmed Capital Investments

22.1 How much is programmed for new mission equipment for Fiscal Years 1996 through 1999? Provide your answer (in $K) in Table 22.1.

22.2 How much is programmed for replacement equipment for Fiscal Years 1996 through 1999? Provide your answer (in $K) in Table 22.1.

Table 22.1: Programmed Capital Investments

TYPE		FY 1996	FY 1997	FY 1998	FY 1999
NEW MISSION	($K)	0	0	0	0
REPLACEMENT	($K)	0	0	0	0

NAVAL WEAPONS STATION CHARLESTON - DC 25

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

S.W. DELAPLANE
NAME (Please type or print)

Signature

COMMANDER
Title

24 MAY 94
Date

NAVAL ORDNANCE CENTER
Activity ATLANTIC DIVISION

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

R. SUTTON, RADM, USN
NAME (Please type or print)

Signature

COMMANDER
Title

31 MAY 94
Date

NAVAL ORDNANCE CENTER
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

J. R. STERNER
NAME (Please type or print)

Signature

Title Commander
Naval Sea Systems Command
Activity

6/3/94
Date

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

J. B. Greene, Jr
NAME (Please type or print)

Signature

Acting
Title

10 Jun 1994
Date

BRAC-95 CERTIFICATION FOR DATA CALL NUMBER 25

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

R. G. BRUCE
NAME (Please type or print)

R. G. Bruce
Signature

COMMANDING OFFICER
Title

21 MAY 1994
Date

NAVAL WEAPONS STATION CHARLESTON
Activity

21 May 1994

Entire Data Call
Revision

BRAC 95 DC25

CAPACITY DATA CALL

NAVAL WEAPONS STATION CHARLESTON

Questions for the Activities

Category	....	**Industrial Activities**
Sub-Category	....	**Naval Weapons Stations,**
	....	**Naval Magazines,** and
	....	**Strategic Weapons Facilities**
Claimants	....	**COMNAVSEASYSCOM** - Naval Weapons Stations
	....	**CINCPACFLT** - Naval Magazines (on U.S. territory)
	....	**DIRSSP** - Strategic Missile Facilities

Notes: In the context of this Data Call

1. Base your responses for FY 1994 and previous years on executed workload, and for FY 1995 and subsequent years on workload as programmed in the FY 1995 Budget Submission and POM-96. Unless otherwise specified, use workload mixes as programmed. In estimating projected workload capabilities, use the activity configuration as of completion of the BRAC-88/91/93 actions.
2. Unless otherwise specified, for questions addressing maximum workload within this Data Call, base your response on an eight hour day/five day notional work week (1-8-5). Please identify any processes which, under normal operations, operate on a different schedule. Also, identify your "40 hour" work week schedule, if different from "1-8-5".

3. "Production" equates to the number of items processed per Fiscal Year (FY), unless otherwise specified. Report Direct Labor Man Hours (DLMHs) in thousands of Man Hours, to the nearest tenth, e.g. 32.2 K DLMHs.

4. For purposes of this Data Call, Depot maintenance is regarded as the maintenance performed on material that requires major overhaul or a complete rebuild of parts, assemblies, subassemblies, and end items, including the manufacture of parts, modifications, testing, and reclamation, as required. Depot maintenance serves to support lower categories of maintenance. Depot maintenance provides stocks of serviceable equipment by using more extensive facilities for repair than are available in lower level maintenance activities. Depot or indirect maintenance functions are identified by the type of equipment maintained or repaired.

5. Report all workload performed, clearly identifying origin of all non-DON workload.
6. Mission area work (as defined in sections 1 through 7) performed by tenant activities (e.g. MOMAG) should be reported in separate, duplicate tables in the applicable sections.

If any responses are classified, so annotate the applicable question and include those responses in a separate classified annex.

This document has been prepared in WordPerfect 5.1/5.2.

Note: The Box below breaks out Defense Department Depot Maintenance and Industrial activities by Commodity Groups for further assessment. The highlighted items have been incorporated into this Data Call. If your activity performs depot work in any other area, please include such workload and so annotate your Data Call response.

Commodity Groups List

1. Aircraft Airframes:
   Rotary
   VSTOL
   Fixed Wing
      Transport / Tanker / Bomber /
      Command and Control
      Light Combat
      Admin / Training
   Other

2. Aircraft Components
   Dynamic Components
   Aircraft Structures
   Hydraulic/Pneumatic
   Instruments
   Landing Gear
   Aviation Ordnance
   Avionics/Electronics
   APUs
   Other

3. Engines (Gas Turbine)
   Aircraft
   Ship
   Tank
   Blades / Vanes (Type 2)

4. **Missiles and Missile Components**
   Strategic
   Tactical / MLRS

5. Amphibians
   Vehicles
   Components (less GTE)

6. Ground Combat Vehicles
   Self-propelled
   Tanks
   Towed Combat Vehicles
   Components (less GTE)

7. Ground and Shipboard Communications
   and Electronic Equipment
   Radar
   Radio Communications
   Wire Communications
   Electronic Warfare
   Navigational Aids
   Electro-Optics / Night Vision
   Satellite Control / Space Sensors

8. Automotive / Construction Equipment

9. Tactical Vehicles
   Tactical Automotive Vehicles
   Components

10. **Ground General Purpose Items**
    Ground Support Eqpmt (except aircraft)
    Small Arms / Personal Weapons
    Munitions / Ordnance
    Ground Generators
    Other

JCSG-DM: Maintenance and Industrial Activities

CAPACITY DATA CALL

NAVWPNSTAs, NAVMAGs, and STRATEGIC MISSILE FACILITIES

Questions for the Activities

Table of Contents

Table of Acronyms

ACE	Acquisition Cost of Equipment
AICUZ	Air Installations Compatibility Use Zone
Ammo	Ammunition
CADs	Cartridge Actuated Devices
CAL	Caliber
CIA	Controlled Industrial Area
CCN	Category Code Number
CHT	Collection, Holding and Transfer
CPV	Current Plant Value
Demo	Demonstration
DLMH	Direct Labor Man Hours
DM	Depot Maintenance
ESQD	Explosive Safety Quantity Distance
FMS	Foreign Military Sales
FY	Fiscal Year
GPB	General Purpose Bombs
GPD	Gallons Per Day
HE	High Explosive
HERF	Hazardous Electronic Radiation - Fuel
HERP	Hazardous Electronic Radiation - Personnel
HERO	Hazardous Electronic Radiation - Ordnance
IM	Intermediate Maintenance
IPE	Industrial Plant Equipment
ISE	In Service Engineering
JCSG-DM	Joint Cross Service Group - Depot Maintenance
KSF	Thousands of Square Feet
KVA	Kilo Volt-Ampere
LOE	Level Of Effort
MILCON	Military Construction
MLLW	Mean Low Water
MLRS	Multiple Launch Rocket System
MM	Millimeter
MOMAG	Mobile Mine Assembly Group
RP	Maintenance of Real Property
NAVMAG	Naval Magazine
NEW	Net Explosive Weight
OOS	Out Of Service
ORD	Ordnance
ORDCEN	Ordnance Center
PACDIV	Pacific Division
PADs	Propellant Actuated Devices
HS&T	Packaging, Handling, Storage and Transportation
PSI	Pounds Per Square Inch
Pyro	Pyrotechnics
SSI	Receipt, Segregation, Stowage and Issue
SF	Square Feet
MCA	Single Manager Conventional Ammunition
SOP	Standard Operating Procedures
Sub	Subsurface
Surf	Surface
SWF	Strategic Weapons Facility
TMDE	Test, Measurement, Diagnostic Equipment
UIC	Unit Identification Code
VERTREP	Vertical Replenishment
WPNSTA	Weapons Station

CAPACITY DATA CALL 25

Weapons Stations, Naval Magazines, and Strategic Missile Facilities Revised pg

Questions for the Activities:

Primary Activity UIC: **00193**

Mission Area

1. Inventory

1.1 Historic and Predicted Workload. List by units of weapon type the quantities of all weapons that were receipted into/are programmed to be in your inventory for the period below. Report the single highest total onboard quantity in inventory for each Fiscal Year. (Report data as of 30 September of the Fiscal Year, where data is not available for the whole year.) *For each commodity, separately identify non-DoN requirements (e.g. DoN: #x / Army: #y).*

Table 1.1.a: Historic and Predicted Inventory

Ammunition / Ordnance Commodity Type	Units in Inventory (items) (All DON)							
	FY * 1986	FY * 1987	FY * 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Mines	NA	NA	NA	0	0	0	0	0
Torpedoes	NA	NA	NA	540	540	930	1,144	646
Air Launched Threat	NA	NA	NA	50	50	90	630	1,255
Surface Launched Threat	NA	NA	NA	1,070	1,070	1,250	1,740	1,490
Other Threat	NA	NA	NA	66	66	66	71	73
Expendables	NA	NA	NA	36K	36K	35K	37K	40K
INERT	NA	NA	NA	162K	162K	118K	96K	201K
CADs/PADs	NA	NA	NA	769K	769K	884K	1M	1M
Strategic Nuclear	NA	NA	NA	NA	NA	NA	NA	NA
Tactical Nuclear	NA	NA	NA	NA	NA	NA	NA	NA
LOE: Rockets	NA	NA	NA	360	360	380	300	662
LOE: Bombs	NA	NA	NA	5,080	5,080	12.6K	11.9K	11.7K
LOE: Gun Ammo (20mm-16")	NA	NA	NA	4.7M	4.7M	9.0M	8.2M	10M
LOE: Small Arms (up to 50 cal.)	NA	NA	NA	13M	13M	27M	22M	17M
LOE: Pyro/Demo	NA	NA	NA	692K	692K	387K	824K	.6M
Grenades/Mortars/Projectiles	NA	NA	NA	169K	175K	200K	234K	258K

* **NOTE 1: Data for these years was not available.**

CAPACITY DATA CALL 25

Weapons Stations, Naval Magazines, and Strategic Missile Facilities

Questions for the Activities:

Primary Activity UIC: **00193**

Mission Area

1. Inventory

1.1 Historic and Predicted Workload. List by units of weapon type the quantities of all weapons that were receipted into/are programmed to be in your inventory for the period below. Report the single highest total onboard quantity in inventory for each Fiscal Year. (Report data as of 30 September of the Fiscal Year, where data is not available for the whole year.) *For each commodity, separately identify non-DoN requirements (e.g. DoN: #x / Army: #y).*

Table 1.1.a: Historic and Predicted Inventory

Ammunition / Ordnance Commodity Type	Units in Inventory (items) **(All DON)**							
	FY * 1986	FY * 1987	FY * 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Mines	NA	NA	NA	0	0	0	0	0
Torpedoes	NA	NA	NA	540	540	930	1,144	668
Air Launched Threat	NA	NA	NA	50	50	90	630	1,255
Surface Launched Threat	NA	NA	NA	1,087	1,070	1,250	1,740	1,490
Other Threat	NA	NA	NA	66	66	66	71	73
Expendables	NA	NA	NA	36K	36K	35K	37K	40K
INERT	NA	NA	NA	162K	162K	118K	96K	201K
CADs/PADs	NA	NA	NA	769K	769K	884K	1M	1M
Strategic Nuclear	NA	NA	NA	NA	NA	NA	NA	NA (R
Tactical Nuclear	NA	NA	NA	NA	NA	NA	NA	NA (R
LOE: Rockets	NA	NA	NA	360	360	380	300	662
LOE: Bombs	NA	NA	NA	5,080	5,080	12.6K	11.9K	11.7K
LOE: Gun Ammo (20mm-16")	NA	NA	NA	4.7M	4.7M	9.0M	8.2M	10M
LOE: Small Arms (up to 50 cal.)	NA	NA	NA	13M	13M	27M	22M	17M
LOE: Pyro/Demo	NA	NA	NA	692K	692K	387K	824K	.6M
Grenades/Mortars/Projectiles	NA	NA	NA	147K	147K	153K	173K	.2M

* **NOTE 1: Data for these years was not available.**

1. Inventory, continued

Revised pg

Table 1.1.b: Historic and Predicted Inventory

Ammunition/Ordnance Commodity Type	Units in Inventory (items) (All DON)							
	FY 1994	FY 1995	FY 1996	FY * 1997	FY * 1998	FY * 1999	FY * 2000	FY * 2001
Mines	0	0	0	0	0	0	0	0
Torpedoes	717	766	815	864	914	964	964	964
Air Launched Threat	1,887	2,603	3,320	4,753	5,470	5,470	5,470	5,470
Surface Launched Threat	1,552	1,605	1,659	1,712	1,766	1,823	1,823	1,823
Other Threat	140	208	275	343	410	480	480	480
Expendables	148K	257K	365K	474K	582K	687K	687K	687K
INERT	188K	174K	161K	147K	134K	119K	119K	119K
CADs/PADs	1M	1M	1.1M	1.1M	1.1M	1.1M	1.1M	1.1M
Strategic Nuclear	NA	NA	NA	NA	NA	NA	NA	NA
Tactical Nuclear	NA	NA	NA	NA	NA	NA	NA	NA
LOE: Rockets	2,164	3,666	5,169	6,671	8,173	9,676	9,676	9,676
LOE: Bombs	13.9K	16.1K	18.3K	20.5K	22.7K	25K	25K	25K
LOE: Gun Ammo (20mm-16")	10M	10M	10M	10M	10M	10M	10M	10M
LOE: Small Arms (up to 50 cal)	13.1M	16.2M	19.4M	22.5M	25.6M	29M	29M	29M
LOE: Pyro/Demo	.7M	.8M	.9M	1M	1M	1M	1M	1M
Grenades/Mortars/Projectile	207K	232K	258K	283K	309K	334K	334K	334K

*** NOTE 1: Increases in inventory are possible due to one hundred three magazines added to WPNSTA Charleston's plant account between 1995 and 2000. These magazines are currently used by the Polaris Missile Facility Atlantic (POMFLANT) which is a tenant scheduled for closure in 1995. The magazines will be turned over to WPNSTA Charleston during 1997 (best case) or 2000 (worst case). These magazines are environmentally controlled and all are connected to an intruder detection system. The entire area is surrounded with double fencing and perimeter lighting. Exact loading of each magazine is not available at this time.**

1. Inventory, continued

Table 1.1.b: Historic and Predicted Inventory

Ammunition/Ordnance Commodity Type	Units in Inventory (items) **(All DON)**							
	FY 1994	FY 1995	FY 1996	FY * 1997	FY * 1998	FY * 1999	FY * 2000	FY * 2001
Mines	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Torpedoes	**717**	**766**	**815**	**864**	**914**	**964**	**964**	**964**
Air Launched Threat	**1,887**	**2,519**	**3,151**	**3,783**	**4,415**	**5,048**	**5,048**	**5,048**
Surface Launched Threat	**1,552**	**1,614**	**1,676**	**1,738**	**1,801**	**1,867**	**1,867**	**1,867**
Other Threat	**140**	**208**	**275**	**343**	**410**	**478**	**478**	**478**
Expendables	**148K**	**257K**	**365K**	**474K**	**582K**	**687K**	**687K**	**687K**
INERT	**188K**	**174K**	**161K**	**147K**	**134K**	**119K**	**119K**	**119K**
CADs/PADs	**1M**	**1M**	**1.1M**	**1.1M**	**1.1M**	**1.1M**	**1.1M**	**1.1M**
Strategic Nuclear	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Tactical Nuclear	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
LOE: Rockets	**2,164**	**3,666**	**5,169**	**6,671**	**8,173**	**9,676**	**9,676**	**9,676**
LOE: Bombs	**13.9K**	**16.1K**	**18.3K**	**20.5K**	**22.7K**	**25K**	**25K**	**25K**
LOE: Gun Ammo (20mm-16")	**10M**	**10M**	**10M**	**10M**	**10M**	**10M**	**10M**	**10M**
LOE: Small Arms (up to 50 cal)	**13.1M**	**16.2M**	**19.4M**	**22.5M**	**25.6M**	**29M**	**29M**	**29M**
LOE: Pyro/Demo	**.7M**	**.8M**	**.9M**	**1M**	**1M**	**1M**	**1M**	**1M**
Grenades/Mortars/Projectile	**207K**	**213K**	**220K**	**227K**	**233K**	**240K**	**240K**	**240K**

*** NOTE 1: Increases in inventory are possible due to one hundred three magazines added to WPNSTA Charleston's plant account between 1995 and 2000. These magazines are currently used by the Polaris Missile Facility Atlantic (POMFLANT) which is a tenant scheduled for closure in 1995. The magazines will be turned over to WPNSTA Charleston during 1997 (best case) or 2000 (worst case). These magazines are environmentally controlled and all are connected to an intruder detection system. The entire area is surrounded with double fencing and perimeter lighting. Exact loading of each magazine is not available at this time.**

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2. Stowage

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2.1 Identify by units of weapon type the quantity of all weapons which can be presently stored at your facility and the maximum storage capability through FY 2001. In determining maximum capability assume (a) the current projected total workload and mix remains as assigned; (b) maximum personnel and equipment support are available; and (c) facility additions are limited to that MILCON already programmed. In distributing the overall ordnance stowage, choose the best configuration based on type of facilities available and predicted requirements.

Table 2.1: Present and Predicted Stowage Capability

Ammunition / Ordnance Commodity Type	Present Stowage Capability	Maximum Stowage Capability *
Mines	**0**	**0**
Torpedoes	**993**	**1,582**
Air Launched Threat	**5,634**	**8,976**
Surface Launched Threat	**1,878**	**2,922**
Other Threat	**494**	**787**
Expendables	**708K**	**1,128K**
INERT	**123K**	**196K**
CADs/PADs	**1.13M**	**1.8M**
Strategic Nuclear	**NA**	**NA**
Tactical Nuclear	**NA**	**NA**
LOE: Rockets	**9,966**	**15,878**
LOE: Bombs	**26K**	**41K**
LOE: Gun Ammo (20mm-16")	**10.3M**	**16.4M**
LOE: Small Arms (up to 50 cal.)	**29.9M**	**47.6M**
LOE: Pyro/Demo	**1.03M**	**1.6M**
Grenades/Mortars/Projectiles	**344K**	**548K**

*** See NOTE 1 on Table 1.1.b. Present and Maximum stowage numbers are in accordance with NAVSEA 8024.2 and OP-5.**

2. Stowage

2.1 Identify by units of weapon type the quantity of all weapons which can be presently stored at your facility and the maximum storage capability through FY 2001. In determining maximum capability assume (a) the current projected total workload and mix remains as assigned; (b) maximum personnel and equipment support are available; and (c) facility additions are limited to that MILCON already programmed. In distributing the overall ordnance stowage, choose the best configuration based on type of facilities available and predicted requirements.

Table 2.1: Present and Predicted Stowage Capability

Ammunition / Ordnance Commodity Type	Present Stowage Capability	Maximum Stowage Capability *
Mines	**0**	**0**
Torpedoes	**993**	**1,589**
Air Launched Threat	**5,199**	**8,314**
Surface Launched Threat	**1,923**	**3,077**
Other Threat	**492**	**787**
Expendables	**708K**	**1,133K**
INERT	**123K**	**197K**
CADs/PADs	**1.13M**	**1.8M**
Strategic Nuclear	**NA**	**NA**
Tactical Nuclear	**NA**	**NA**
LOE: Rockets	**9,966**	**15,946**
LOE: Bombs	**26K**	**42K**
LOE: Gun Ammo (20mm-16")	**10.3M**	**16,5M**
LOE: Small Arms (up to 50 cal.)	**29.9M**	**47.8M**
LOE: Pyro/Demo	**1.03M**	**1.6M**
Grenades/Mortars/Projectiles	**247K**	**395K**

*** See NOTE 1 on Table 1.1.b. Present and Maximum stowage numbers are in accordance with NAVSEA 8024.2 and OP-5.**

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2. Stowage, continued

2.2 Provide, by facility number, the present and predicted inventories and the maximum stowage capability in tons and square feet for each stowage facility (e.g. box, igloo) under your cognizance. Using the assumptions given in section 2.1 in predicting the outyear facility utilization, distribute your overall ordnance compliment to the most likely configuration. When listing storage by facility, group facilities by location (e.g. main base, outlying area, special area, detachment), and identify that location in the space provided. Present and Predicted Inventories' SF reports the square footage required by those inventories; Maximum Stowage SF values will indicate the total square footage available. Reproduce Table 2.2 as necessary. *If any non-DON inventory is held/programmed to be held, report that material separately from your DON stock.*

Table 2.2.a: Total Facility Capability Summary

Site: **WPNSTA Charleston (Explosive Magazines)**

Facility Number	PRESENT INVENTORY		PREDICTED ** INVENTORY FY 2001		MAXIMUM STOWAGE CAPABILITY **	
	TONS	SQ FT	TONS	SQ FT	TONS	SQ FT
SP&P 50 Ea	**12,021**	**134,952**	**17,698**	**198,680**	**17,698**	**198,680**
SP&P 8 Ea*	**0***	**0***	*	*	**2,377**	**26,684**
Sm Arms/Pyro 27 Ea	**3,094**	**52,090**	**4,478**	**75,386**	**4,478**	**75,386**
F&D 18 Ea	**1,388**	**15,282**	**1,977**	**21,766**	**1,977**	**21,766**
High Explosive 36 Ea	**4,940**	**82,049**	**6,440**	**106,948**	**6,440**	**106,948**
Weapons Mags 2 Ea	**Note 3**	**Note 3**	**733**	**10,663**	**733**	**10,663**
Weapons Mags 21 Ea *	**0***	**0***	*	*	**4,771**	**69,372**
Missile Mags 14 Ea	**2,628**	**65,637**	**2,898**	**72,360**	**2,898**	**72,360**
Missile Mags 74 Ea *	**0***	**0***	*	*	**8,775**	**219,141**
Total This Site	**24,071**	**350,010**	**34,224**	**485,803**	**50,147**	**801,000**

*** NOTE: One hundred three magazines are currently controlled by the Polaris Missile Facility Atlantic (POMFLANT) which is a tenant scheduled for closure in 1995. Present inventory tonnage does not include impact of these facilities. The magazines will be turned over to WPNSTA Charleston during 1997 (best case) or 2000 (worst case). These magazines are environmentally controlled and all are connected to an intruder detection system. The entire area is surrounded with double fencing and perimeter lighting. Exact loading of each magazines is not available at this time.**

**** US Army's Strategic Mobility Logistics Base (SMLB) Program explosive assets will be on inventory beginning in FY 96; however, we are unable to predict the exact tonnage nor other increases to inventory levels as a result of additional magazines being available.**

Note 3: Magazines presently not listed on CAIMS. Used to store POMFLANT material awaiting demil by WPNSTA Charleston.

Revised pg

2. Stowage, continued

2.2 Provide, by facility number, the present and predicted inventories and the maximum stowage capability in tons and square feet for each stowage facility (e.g. box, igloo) under your cognizance. Using the assumptions given in section 2.1 in predicting the outyear facility utilization, distribute your overall ordnance compliment to the most likely configuration. When listing storage by facility, group facilities by location (e.g. main base, outlying area, special area, detachment), and identify that location in the space provided. Present and Predicted Inventories' SF reports the square footage required by those inventories; Maximum Stowage SF values will indicate the total square footage available. Reproduce Table 2.2 as necessary. *If any non-DON inventory is held/programmed to be held, report that material separately from your DON stock.*

Table 2.2.a: Total Facility Capability Summary

Site: **WPNSTA Charleston (Explosive Magazines)**

Facility Number	PRESENT INVENTORY		PREDICTED ** INVENTORY FY 2001		MAXIMUM STOWAGE CAPABILITY **	
	TONS	SQ FT	TONS	SQ FT	TONS	SQ FT
SP&P 50 Ea	12,021	134,952	17,698	198,680	17,698	198,680
SP&P 8 Ea*	0*	0*	*	*	2,377	26,684
Sm Arms/Pyro 27 Ea	3,094	52,090	4,478	75,386	4,478	75,386
F&D 18 Ea	1,388	15,282	1,977	21,766	1,977	21,766
High Explosive 36 Ea	4,940	82,049	6,440	106,948	6,440	106,948
Weapons Mags 2 Ea	Note 3	Note 3	Note 3	Note 3	733	10,663
Weapons Mags 21 Ea *	0*	0*	*	*	4,771	69,372
Missile Mags 14 Ea	2,628	65,637	2,898	72,360	2,898	72,360
Missile Mags 74 Ea *	0*	0*	*	*	8,775	219,141
Total This Site	24,071	350,010	33,491	475,140	50,147	801,000

*** NOTE: One hundred three magazines are currently controlled by the Polaris Missile Facility Atlantic (POMFLANT) which is a tenant scheduled for closure in 1995. Present inventory tonnage does not include impact of these facilities. The magazines will be turned over to WPNSTA Charleston during 1997 (best case) or 2000 (worst case). These magazines are environmentally controlled and all are connected to an intruder detection system. The entire area is surrounded with double fencing and perimeter lighting. Exact loading of each magazines is not available at this time.**

**** US Army's Strategic Mobility Logistics Base (SMLB) Program explosive assets will be on inventory beginning in FY 96; however, we are unable to predict the exact tonnage nor other increases to inventory levels as a result of additional magazines being available.**

Note 3: Magazines presently not listed on CAIMS. Used to store POMFLANT material awaiting demil by WPNSTA Charleston.

2. Stowage, continued

2.2 Provide, by facility number, the present and predicted inventories and the maximum stowage capability in tons and square feet for each stowage facility (e.g. box, igloo) under your cognizance. Using the assumptions given in section 2.1 in predicting the outyear facility utilization, distribute your overall ordnance compliment to the most likely configuration. When listing storage by facility, group facilities by location (e.g. main base, outlying area, special area, detachment), and identify that location in the space provided. Present and Predicted Inventories' SF reports the square footage required by those inventories; Maximum Stowage SF values will indicate the total square footage available. Reproduce Table 2.2 as necessary. *If any non-DON inventory is held/programmed to be held, report that material separately from your DON stock.*

Table 2.2.a: Total Facility Capability Summary

Site: **WPNSTA Charleston (Explosive Magazines)**

Facility Number	PRESENT INVENTORY		PREDICTED ** INVENTORY FY 2001		MAXIMUM STOWAGE CAPABILITY **	
	TONS	SQ FT	TONS	SQ FT	TONS	SQ FT
SP&P 50 Ea	**13,714**	**174,845**	**19,689**	**251,035**	**15,583**	**198,680**
SP&P 8 Ea*	**0***	**0***	*	*	**2,093**	**26,684**
Sm Arms/Pyro 27 Ea	**3,550**	**45,263**	**5,097**	**64,987**	**5,913**	**75,386**
F&D 18 Ea	**1,343**	**17,123**	**1,928**	**24,582**	**1,707**	**21,766**
High Explosive 36 Ea	**6,023**	**76,793**	**8,648**	**110,262**	**8,388**	**106,948**
Weapons Mags 2 Ea	**Note 3**	**Note 3**	**Note 3**	**Note 3**	**836**	**10,663**
Weapons Mags 21 Ea *	**0***	**0***	*	*	**5,441**	**69,372**
Missile Mags 14 Ea	**1,917**	**24,442**	**2,752**	**35,088**	**5,675**	**72,360**
Missile Mags 74 Ea *	**0***	**0***	*	*	**17,188**	**219,141**
Total This Site	**26,547**	**338,475**	**38,114**	**485,954**	**62,824**	**801,000**

*** NOTE: One hundred three magazines are currently controlled by the Polaris Missile Facility Atlantic (POMFLANT) which is a tenant scheduled for closure in 1995. Present inventory tonnage does not include impact of these facilities. The magazines will be turned over to WPNSTA Charleston during 1997 (best case) or 2000 (worst case). These magazines are environmentally controlled and all are connected to an intruder detection system. The entire area is surrounded with double fencing and perimeter lighting. Exact loading of each magazines is not available at this time.**

**** US Army's Strategic Mobility Logistics Base (SMLB) Program explosive assets will be on inventory beginning in FY 96; however, we are unable to predict the exact tonnage nor other increases to inventory levels as a result of additional magazines being available.**

Note 3: Magazines presently not listed on CAIMS. Used to store POMFLANT material awaiting demil by WPNSTA Charleston.

Table 2.2.b: Total Facility Capability Summary

Site: **WPNSTA Charleston (Inert)**

Facility Number	PRESENT INVENTORY		PREDICTED INVENTORY FY 2001		MAXIMUM STOWAGE CAPABILITY	
	TONS	SQ FT	TONS	SQ FT	TONS	SQ FT
60	**262.1**	**3,984**	**262.1**	**3,984**	**674.4**	**10,251**
61	**435.0**	**2,436**	**435.0**	**2,436**	**1,830.5**	**10,251**
62	**135.9**	**2,392**	**135.9**	**2,392**	**582.4**	**10,251**
63	**2.5**	**362**	**2.5**	**362**	**70.8**	**10,251**
72	**2.9**	**90**	**2.9**	**90**	**175.6**	**5,445**
73	**135.6**	**2,753**	**135.6**	**2,753**	**505.0**	**10,251**
75	**32.9**	**459**	**32.9**	**459**	**467.4**	**6,525**
80	**0**	**0**	**0**	**0**	**171.9**	**2,400**
296	**7.2**	**101**	**7.2**	**101**	**537.2**	**7,500**
449	**6.1**	**3,000**	**6.1**	**3,000**	**6.1**	**3,000**
726	**611.6**	**3,364**	**611.6**	**3,364**	**1,845.5**	**10,150**
756	**0**	**0**	**0**	**0**	**214.9**	**3,000**
933	**0**	**0**	**0**	**0**	**8.6**	**120**
2009	**207.6**	**2,325**	**207.6**	**2,325**	**803.6**	**9,000**
2010	**104.7**	**2,953**	**104.7**	**2,953**	**212.8**	**6,000**
2011	**139.5**	**2,581**	**139.5**	**2,581**	**324.3**	**6,000**
2012	**27.6**	**1,427**	**27.6**	**1,427**	**108.3**	**5,600**
2014	**49.3**	**1,396**	**49.3**	**1,396**	**106.0**	**3,000**
2015	**44.5**	**952**	**44.5**	**952**	**140.2**	**3,000**
2016	**15.6**	**248**	**15.6**	**248**	**188.7**	**3,000**
3504	*	**11,169***	**0**	**11,169**	**800.1**	**11,169**
3506	*	**11,169***	**0**	**11,169**	**800.1**	**11,169**
3508	*	**11,169***	**0**	**11,169**	**800.1**	**11,169**
3510	*	**11,169***	**0**	**11,169**	**800.1**	**11,169**
3514	**0**	**0**	**0**	**0**	**800.1**	**11,169**
3520	**0**	**0**	**0**	**0**	**800.1**	**11,169**
3522	**0**	**0**	**0**	**0**	**800.1**	**11,169**
3524	**0**	**0**	**0**	**0**	**800.1**	**11,169**
3548	**0**	**0**	**0**	**0**	**800.1**	**11,169**
Total	**2,220.6**	**30,823**	**2,220.6**	**75,499**	**16,175.1**	**225,516**

***These facilities are currently used by POMFLANT; however, it is anticipated that with POMFLANT's closing, these facilities will be available as necessary. Numbers not included in totals.**

2. Stowage, continued

2.3 In the table below, provide the basic characteristics of the stowage facilities under your cognizance. Identify the type of structure (e.g. box, igloo), its rated category, rated Net Explosive Weight (N.E.W.) and status of ESQD arc for each stowage facility listed above.

Table 2.3: Facility Rated Status

Table 2.3 Facility Number / Type	Hazard Rating (1.1-1.4)	Rated N.E.W.	ESQD Arc		
			Established (Y / N)	Waiver (Y / N)	Waiver Exp. Date
3 High Exp.	**1.1**	**80,000**	**Y**	**N**	**None**
0110 High Exp.	**1.1**	**300,000**	**Y**	**N**	**None**
0102 SA&P	**1.1**	**25,000**	**Y**	**N**	**None**
0103 SA&P	**1.1**	**50,000**	**Y**	**N**	**None**
0104 SA&P	**1.1**	**20,000**	**Y**	**N**	**None**
0105 SA&P	**1.1**	**40,000**	**Y**	**N**	**None**
0106 Msl. Mag	**1.1**	**65,000**	**Y**	**N**	**None**
0107 Msl. Mag	**1.1**	**175,000**	**Y**	**N**	**None**
0108 Msl. Mag	**1.1**	**350,000**	**Y**	**N**	**None**
0109 Msl. Mag	**1.1**	**500,000**	**Y**	**N**	**None**
0111 SP&P	**1.1**	**150,000**	**Y**	**N**	**None**
0112 SP&P	**1.1**	**150,000**	**Y**	**N**	**None**
0113 SP&P	**1.1**	**150,000**	**Y**	**N**	**None**
0114 SP&P	**1.1**	**150,000**	**Y**	**N**	**None**
0115 SP&P	**1.1**	**150,000**	**Y**	**N**	**None**
0116 F&D	**1.1**	**150,000**	**Y**	**N**	**None**
0117 F&D	**1.1**	**150,000**	**Y**	**N**	**None**
0118 SP&P	**1.1**	**150,000**	**Y**	**N**	**None**
0119 SA&P	**1.1**	**125,000**	**Y**	**N**	**None**
0120 SA&P	**1.1**	**140,000**	**Y**	**N**	**None**
0121 SA&P	**1.1**	**80,000**	**Y**	**N**	**None**
0122 SA&P	**1.1**	**150,000**	**Y**	**N**	**None**
0123 SA&P	**1.1**	**150,000**	**Y**	**N**	**None**
0124 SP&P	**1.1**	**150,000**	**Y**	**N**	**None**
0125 SP&P	**1.1**	**150,000**	**Y**	**N**	**None**
0126 SP&P	**1.1**	**150,000**	**Y**	**N**	**None**
0127 SA&P	**1.1**	**150,000**	**Y**	**N**	**None**

0128 SP&P	1.1	150,000	Y	N	None
0129 SP&P	1.1	200,000	Y	N	None
0130 SP&P	1.1	55,000	Y	N	None
0131 SP&P	1.1	150,000	Y	N	None
0132 SP&P	1.1	150,000	Y	N	None
0133 SP&P	1.1	150,000	Y	N	None
0134 SP&P	1.1	150,000	Y	N	None
0135 SP&P	1.1	150,000	Y	N	None
0136 SP&P	1.1	150,000	Y	N	None
0137 SP&P	1.1	150,000	Y	N	None
0138 SA&P	1.1	55,000	Y	N	None
0139 SP&P	1.1	20,000	Y	N	None
0140 SP&P	1.1	60,000	Y	N	None
0141 High Exp.	1.1	125,000	Y	N	None
0142 SP&P	1.1	150,000	Y	N	None
0143 High Exp.	1.1	150,000	Y	N	None
0144 High Exp.	1.1	150,000	Y	N	None
0145 SP&P	1.1	150,000	Y	N	None
0146 High Exp.	1.1	95,000	Y	N	None
0147 SP&P	1.1	42,000	Y	N	None
0148 SP&P	1.1	30,000	Y	N	None
0149 SA&P	1.1	95,000	Y	N	None
0150 Msl. Mag	1.1	125,000	Y	N	None
0151 Msl. Mag	1.1	150,000	Y	N	None
0152 SA&P	1.1	140,000	Y	N	None
0153 High Exp.	1.1	140,000	Y	N	None
0154 Msl. Mag	1.1	160,000	Y	N	None
0155 Msl. Mag	1.1	150,000	Y	N	None
0156 Msl. Mag	1.1	120,000	Y	N	None
0157 SP&P	1.1	18,500	Y	N	None
0158 SA&P	1.1	80,000	Y	N	None
0159 SA&P	1.1	130,000	Y	N	None
0160 High Exp.	1.1	120,000	Y	N	None
0192 SP&P	1.1	500,000	Y	N	None
0193 SP&P	1.1	500,000	Y	N	None

0194 SP&P	1.1	500,000	Y	N	None
0211 SP&P	1.1	180,000	Y	N	None
0212 SP&P	1.1	200,000	Y	N	None
0213 High Exp.	1.1	225,000	Y	N	None
0214 High Exp.	1.1	350,000	Y	N	None
0215 High Exp.	1.1	500,000	Y	N	None
0216 SA&P	1.1	175,000	Y	N	None
0217 SP&P	1.1	475,000	Y	N	None
0218 SP&P	1.1	500,000	Y	N	None
0219 SP&P	1.1	500,000	Y	N	None
0220 SP&P	1.1	125,000	Y	N	None
0221 SP&P	1.1	100,000	Y	N	None
0222 SA&P	1.1	100,000	Y	N	None
0223 SP&P	1.1	250,000	Y	N	None
0224 SP&P	1.1	250,000	Y	N	None
0225 High Exp.	1.1	250,000	Y	N	None
0226 F&D	1.1	250,000	Y	N	None
0227 SA&P	1.1	350,000	Y	N	None
0231 F&D	1.1	500,000	Y	N	None
0232 F&D	1.1	325,000	Y	N	None
0233 SP&P	1.1	425,000	Y	N	None
0234 High Exp.	1.1	300,000	Y	N	None
0235 SP&P	1.1	450,000	Y	N	None
0236 High Exp.	1.1	325,000	Y	N	None
0237 SP&P	1.1	225,000	Y	N	None
0238 SP&P	1.1	325,000	Y	N	None
0239 SP&P	1.1	225,000	Y	N	None
0240 SP&P	1.1	200,000	Y	N	None
0241 High Exp.	1.1	275,000	Y	N	None
0242 High Exp.	1.1	275,000	Y	N	None
0243 High Exp.	1.1	275,000	Y	N	None
0244 High Exp.	1.1	400,000	Y	N	None
0245 SA&P	1.1	400,000	Y	N	None
0246 High Exp.	1.1	400,000	Y	N	None
0247 High Exp.	1.1	400,000	Y	N	None

0248 High Exp.	1.1	450,000	Y	N	None
0249 SP&P	1.1	190,000	Y	N	None
0250 SP&P	1.1	300,000	Y	N	None
0251 High Exp.	1.1	180,000	Y	N	None
0252 High Exp.	1.1	180,000	Y	N	None
0253 SP&P	1.1	175,000	Y	N	None
0254 High Exp.	1.1	180,000	Y	N	None
0255 High Exp.	1.1	160,000	Y	N	None
0256 SA&P	1.1	160,000	Y	N	None
0257 High Exp.	1.1	160,000	Y	N	None
0258 High Exp.	1.1	200,000	Y	N	None
0259 High Exp.	1.1	225,000	Y	N	None
0260 F&D	1.1	225,000	Y	N	None
0261 High Exp.	1.1	275,000	Y	N	None
0262 SP&P	1.1	200,000	Y	N	None
0263 High Exp.	1.1	140,000	Y	N	None
0264 SP&P	1.1	250,000	Y	N	None
0265 High Exp.	1.1	190,000	Y	N	None
0266 High Exp.	1.1	140,000	Y	N	None
0267 High Exp.	1.1	200,000	Y	N	None
0268 High Exp.	1.1	140,000	Y	N	None
0269 High Exp.	1.1	140,000	Y	N	None
0270 SP&P	1.1	150,000	Y	N	None
0282 Msl. Mag	1.1	80,000	Y	N	None
0283 Msl. Mag	1.1	80,000	Y	N	None
0401 SA&P	1.1	450	Y	N	None
0402 F&D	1.1	450	Y	N	None
0411 F&D	1.1	15,000	Y	N	None
0412 SA&P	1.1	15,000	Y	N	None
0413 F&D	1.1	15,000	Y	N	None
0414 F&D	1.1	15,000	Y	N	None
0415 SA&P	1.1	15,000	Y	N	None
0416 SA&P	1.1	15,000	Y	N	None
0417 F&D	1.1	450	Y	N	None
0421 F&D	1.1	15,000	Y	N	None

0422 F&D	1.1	15,000	Y	N	None
0423 SA&P	1.1	15,000	Y	N	None
0424 F&D	1.1	15,000	Y	N	None
0425 SA&P	1.1	15,000	Y	N	None
0426 F&D	1.1	15,000	Y	N	None
0427 F&D	1.1	15,000	Y	N	None
0428 F&D	1.1	15,000	Y	N	None
0441 Msl. Mag	1.1	80,000	Y	N	None
0453 Wpn. Mag	1.1	1,900	Y	N	None
0845 Msl. Mag	1.1	91,000	Y	N	None
0846 Msl. Mag	1.1	91,000	Y	N	None
0847 SA&P	1.1	100	Y	N	None
931 F&D	1.1	60,000	Y	N	None
2320 High Expl.	1.1	80,000	Y	N	None
6A866 Wpn. Mag	1.1	20,000	Y	N	None
1AC1 Msl. Mag	1.1	100,000	Y	N	None
1AC2 Msl. Mag	1.1	100,000	Y	N	None
1AC3 Msl. Mag	1.1	100,000	Y	N	None
1AC4 Msl. Mag	1.1	100,000	Y	N	None
1AC5 Msl. Mag	1.1	100,000	Y	N	None
1AC6 Msl. Mag	1.1	100,000	Y	N	None
1AC7 Msl. Mag	1.1	100,000	Y	N	None
2AC8 Msl. Mag	1.1	100,000	Y	N	None
2AC9 Msl. Mag	1.1	100,000	Y	N	None
2AC10 Msl. Mag	1.1	100,000	Y	N	None
2AC11 Msl. Mag	1.1	100,000	Y	N	None
2AC12 Msl. Mag	1.1	100,000	Y	N	None
2AC13 Msl. Mag	1.1	100,000	Y	N	None
2AC14 Msl. Mag	1.1	100,000	Y	N	None
3AC15 SP&P	1.1	100,000	Y	N	None
3AC16 SP&P	1.1	100,000	Y	N	None
3AC17 Wpn. Mag	1.1	100,000	Y	N	None
3AC18 SP&P	1.1	100,000	Y	N	None
3AC19 Msl. Mag	1.1	100,000	Y	N	None
3AC20 Wpn. Mag	1.1	100,000	Y	N	None

4AC21 Wpn. Mag	1.1	20,000	Y	N	None
4AC22 Wpn. Mag	1.1	20,000	Y	N	None
4AC23 Msl. Mag	1.1	100,000	Y	N	None
4AC24 Msl. Mag	1.1	100,000	Y	N	None
4AC25 Msl. Mag	1.1	100,000	Y	N	None
5AC26 Wpn. Mag	1.1	20,000	Y	N	None
5AC27 Wpn. Mag	1.1	20,000	Y	N	None
5AC28 Wpn. Mag	1.1	20,000	Y	N	None
5AC29 Msl. Mag	1.1	100,000	Y	N	None
5AC30 Msl. Mag	1.1	100,000	Y	N	None
5AC31 Msl. Mag	1.1	100,000	Y	N	None
5AC32 Msl. Mag	1.1	100,000	Y	N	None
6AC33 Wpn. Mag	1.1	20,000	Y	N	None
6AC34 Wpn. Mag	1.1	20,000	Y	N	None
6AC35 Msl. Mag	1.1	20,000	Y	N	None
6AC36 Msl. Mag	1.1	125,000	Y	N	None
6AC37 Msl. Mag	1.1	125,000	Y	N	None
6AC38 Msl. Mag	1.1	125,000	Y	N	None
7AC39 Wpn. Mag	1.1	20,000	Y	N	None
7AC40 Wpn. Mag	1.1	20,000	Y	N	None
7AC41 Wpn. Mag	1.1	20,000	Y	N	None
7AC42 Wpn. Mag	1.1	125,000	Y	N	None
7AC43 Wpn. Mag	1.1	125,000	Y	N	None
7AC44 Wpn. Mag	1.1	125,000	Y	N	None
8AC45 Wpn. Mag	1.1	125,000	Y	N	None
8AC46 Wpn. Mag	1.1	125,000	Y	N	None
8AC47 Wpn. Mag	1.1	125,000	Y	N	None
8AC48 Wpn. Mag	1.1	125,000	Y	N	None
8AC49 Wpn. Mag	1.1	125,000	Y	N	None
8AC50 Wpn. Mag	1.1	125,000	Y	N	None
9XC51 Msl. Mag	1.1	217,000	Y	N	None
9XC52 Msl. Mag	1.1	217,000	Y	N	None
9XC53 Msl. Mag	1.1	217,000	Y	N	None
9XC54 Msl. Mag	1.1	217,000	Y	N	None
9XC55 Msl. Mag	1.1	217,000	Y	N	None

10XC56 Msl. Mag	1.1	246,200	Y	N	None
10XC57 Msl. Mag	1.1	246,200	Y	N	None
10XC58 Msl. Mag	1.1	246,200	Y	N	None
10XC59 Msl. Mag	1.1	246,200	Y	N	None
10XC60 SP&P	1.1	246,200	Y	N	None
11XC61 Msl. Mag	1.1	246,200	Y	N	None
11XC62 Msl. Mag	1.1	246,200	Y	N	None
11XC63 Msl. Mag	1.1	246,200	Y	N	None
5A352 Msl. Mag	1.1	100,000	Y	N	None
5A357 Msl. Mag	1.1	100,000	Y	N	None
3A368 Msl. Mag	1.1	100,000	Y	N	None
3A369 Msl. Mag	1.1	100,000	Y	N	None
5A372 Msl. Mag	1.1	100,000	Y	N	None
5A374 Msl. Mag	1.1	100,000	Y	N	None
15A382 Msl. Mag	1.1	325,000	Y	N	None
15A388 Msl. Mag	1.1	325,000	Y	N	None
12A800 Msl. Mag	1.1	125,000	Y	N	None
12A801 Msl. Mag	1.1	125,000	Y	N	None
12A802 Msl. Mag	1.1	125,000	Y	N	None
12A803 Msl. Mag	1.1	125,000	Y	N	None
12A804 Msl. Mag	1.1	125,000	Y	N	None
13A870 SP&P	1.1	277,900	Y	N	None
13A871 SP&P	1.1	277,900	Y	N	None
13A872 Msl. Mag	1.1	277,900	Y	N	None
13A873 Msl. Mag	1.1	277,900	Y	N	None
13A874 Msl. Mag	1.1	277,900	Y	N	None
14A875 Msl. Mag	1.1	277,900	Y	N	None
14A876 Msl. Mag	1.1	277,900	Y	N	None
14A877 Msl. Mag	1.1	277,900	Y	N	None
14A878 Msl. Mag	1.1	277,900	Y	N	None
14A879 Msl. Mag	1.1	277,900	Y	N	None
14A880 Msl. Mag	1.1	277,900	Y	N	None
15A881 Msl. Mag	1.1	325,000	Y	N	None
15A882 Msl. Mag	1.1	325,000	Y	N	None
15A883 Msl. Mag	1.1	325,000	Y	N	None

15A884 Msl. Mag	1.1	325,000	Y	N	None
15A885 Msl. Mag	1.1	325,000	Y	N	None
15A886 Msl. Mag	1.1	325,000	Y	N	None
15A887 Msl. Mag	1.1	325,000	Y	N	None
15A888 Msl. Mag	1.1	325,000	Y	N	None
15A889 Msl. Mag	1.1	325,000	Y	N	None
15A890 Msl. Mag	1.1	325,000	Y	N	None
15A891 Msl. Mag	1.1	277,900	Y	N	None
3AC892 SP&P	1.1	100,000	Y	N	None
3AC893 SP&P	1.1	100,000	Y	N	None
11XC894 Msl. Mag	1.1	246,200	Y	N	None
11XC895 Msl. Mag	1.1	246,200	Y	N	None
11XC896 Msl. Mag	1.1	246,200	Y	N	None

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2.4 Provide details of your calculations and the assumptions made to determine the differences reported in Table 2.2. between present and maximum capability, including assumptions on additional space utilized, major equipment required, production rates, and constraint that limit increased stowage workload at this activity. Indicate by Fiscal Year (FY) when programmed MILCON will increase your stowage capability and by how much. Specify any factors that significantly inhibit this facility realizing its maximum storage capability (e.g. condition of storage facilities, personnel to maintain necessary operations, operating equipment, ESQD limits, environmental constraints, physical security, etc.).

One hundred three magazines will be added to WPNSTA Charleston's plant account between 1995 and 2000. These magazines are currently used by the Polaris Missile Facility Atlantic (POMFLANT) which is a tenant scheduled for closure in 1995. The magazines will be turned over to WPNSTA Charleston during 1997 (best case) or 2000 (worst case). These magazines are environmentally controlled and all are connected to an intruder detection system. The entire area is surrounded with double fencing and perimeter lighting. Exact loading of each magazine is not available at this time.

No additional magazines are programmed for MILCON.

2.5 For each inhibiting item identified in question 2.4, assess a cost or impact of eliminating the inhibitor, the Fiscal Year (FY) in which such elimination would be completed, and the quantity increase in storage capability realized (express in terms of tons and square feet).

Not Applicable.

2.6 Are there any environmental, legal, or otherwise limiting factors that inhibit further the development of ordnance stowage at this activity (AICUZ encroachment, pollutant discharge, etc.)?

No known limiting factors have been identified.

Mission Area

3. Throughput

3.1 Based on current programmed workload and mix, identify the current outload requirements for each commodity type of each munition stored at this facility, in each of the following operational scenarios. Provide Unit Throughput as available.

Table 3.1.a: Over-The-Pier Throughput Requirements

Munitions Type	Throughput Requirement (Tons/Day)		
	Peacetime Operations	Mobilization	Sustainment
LOE	**43**	**196**	**391**
Threat	**30**	**135**	**270**
Nuclear Threat	**0**	**0**	**0**
Other	**2**	**7**	**14**

Table 3.1.b: Over-The-Pier Throughput Requirements

Munitions Type	Throughput Requirement (Lifts/Day)		
	Peacetime Operations	Mobilization	Sustainment
LOE	**57**	**261**	**521**
Threat	**40**	**180**	**360**
Nuclear Threat	**0**	**0**	**0**
Other	**3**	**9**	**19**

3. Throughput, continued

Revised pg

3.2 Identify the throughput in Tons for your facility as rated, as required under the operational conditions specified, and as executed or programmed for requested Fiscal Years. In determining your maximum rated capability, assume: (a) the current projected total workload and mix remains as assigned; (b) maximum personnel and equipment support are available; and (c) facility additions are limited to that MILCON already programmed. In distributing the overall ordnance requirement, choose the best configuration based on type of facilities available and predicted requirements. In the space provided below Table 3.2.a, detail the basis for your calculations of your maximum rated capability. If the Fiscal Years sampled in Table 3.2.b do not reflect your highest and lowest levels of activity for the period FY 1986-2001, add those years in the space provided.

Table 3.2.a: Throughput in Tons

		PIER	VERTREP	RAIL	TRUCK
Maximum Rated Capability (Daily 1-8-5)	LOE	130	0	19	134
	Threat	90	0	13	93
	Nuclear Threat	0	0	0	0
	Other	5	0	1	5
Requirement (Peacetime Operations) (Daily 1-8-5)	LOE	43	0	10	99
	Threat	30	0	8	68
	Nuclear Threat	0	0	0	0
	Other	2	0	1	3
Requirement (Mobilization)* (Daily 1-12-7)	LOE	196	0	23	208
	Threat	135	0	16	143
	Nuclear Threat	0	0	0	0
	Other	7	0	1	7
Requirement (Sustainment)* (Daily 3-8-7)	LOE	391	0	58	403
	Threat	270	0	40	278
	Nuclear Threat	0	0	0	0
	Other	14	0	2	14

* It is recognized the Mobilization and Sustainment requirements reflect a higher state of operations and readiness, and that the associated work period may well exceed the "1-8-5".

Data Source: **Maximum rated capability based on Station Mobilization Plan, with commodity split based on corporate knowledge of RSS&I planners.**

3. Throughput, continued

3.2 Identify the throughput in Tons for your facility as rated, as required under the operational conditions specified, and as executed or programmed for requested Fiscal Years. In determining your maximum rated capability, assume: (a) the current projected total workload and mix remains as assigned; (b) maximum personnel and equipment support are available; and (c) facility additions are limited to that MILCON already programmed. In distributing the overall ordnance requirement, choose the best configuration based on type of facilities available and predicted requirements. In the space provided below Table 3.2.a, detail the basis for your calculations of your maximum rated capability. If the Fiscal Years sampled in Table 3.2.b do not reflect your highest and lowest levels of activity for the period FY 1986-2001, add those years in the space provided.

Table 3.2.a: Throughput in Tons

		PIER	VERTREP	RAIL	TRUCK
Maximum Rated Capability (Daily 1-8-5)	LOE	**116**	**0**	**39**	**125**
	Threat	**80**	**0**	**10**	**86**
	Nuclear Threat	**0**	**0**	**0**	**0**
	Other	**4**	**0**	**1**	**4**
Requirement (Peacetime Operations) (Daily 1-8-5)	LOE	**43**	**0**	**10**	**99**
	Threat	**30**	**0**	**8**	**68**
	Nuclear Threat	**0**	**0**	**0**	**0**
	Other	**2**	**0**	**1**	**3**
Requirement (Mobilization)* (Daily 1-12-7)	LOE	**196**	**0**	**23**	**208**
	Threat	**135**	**0**	**16**	**143**
	Nuclear Threat	**0**	**0**	**0**	**0**
	Other	**7**	**0**	**1**	**7**
Requirement (Sustainment)* (Daily 3-8-7)	LOE	**391**	**0**	**58**	**403**
	Threat	**270**	**0**	**40**	**278**
	Nuclear Threat	**0**	**0**	**0**	**0**
	Other	**14**	**0**	**2**	**14**

* It is recognized the Mobilization and Sustainment requirements reflect a higher state of operations and readiness, and that the associated work period may well exceed the "1-8-5".

Data Source: **Maximum rated capability based on Station Mobilization Plan, with commodity split based on corporate knowledge of RSS&I planners.**

3. Throughput, continued

Table 3.2.b: Historic and Predicted Throughput in Tons

		PIER	VERTREP	RAIL	TRUCK
FY 1986 (Executed)	LOE	**9,085**	**0**	**2,280**	**20,521**
	Threat	**6,264**	**0**	**1,572**	**14,153**
	Nuclear Threat	**NA**	**0**	**NA**	**NA**
	Other	**313**	**0**	**79**	**708**
FY 1991 (Executed)	LOE	**10,100**	**0**	**2,292**	**20,623**
	Threat	**6,965**	**0**	**1,580**	**14,223**
	Nuclear Threat	**O**	**0**	**0**	**0**
	Other	**348**	**0**	**79**	**711**
FY 1994 (Executed)	LOE	**11,471**	**0**	**2,737**	**24,629**
	Threat	**7,910**	**0**	**1,887**	**16,985**
	Nuclear Threat	**0**	**0**	**0**	**0**
	Other	**2,876**	**0**	**94**	**849**

3. Throughput, continued

Table 3.2.c: Historic and Predicted Throughput in Tons

		PIER	VERTREP	RAIL	TRUCK
FY 1997 (Programmed)	LOE	**5,994**	**0**	**2,295**	**20,649**
	Threat	**4,134**	**0**	**1,582**	**14,241**
	Nuclear Threat	**0**	**0**	**0**	**0**
	Other	**4,207**	**0**	**79**	**712**
FY 2001 (Programmed)	LOE	**4,343**	**0**	**2,295**	**20,649**
	Threat	**2,996**	**0**	**1,582**	**14,241**
	Nuclear Threat	**0**	**0**	**0**	**0**
	Other	**4,150**	**0**	**79**	**712**
FY: NA Minimum Outload Workload	LOE				
	Threat				
	Nuclear Threat				
	Other				
FY: NA Maximum Outload Workload	LOE				
	Threat				
	Nuclear Threat				
	Other				

3. Throughput, continued

3.3 Identify the annual throughput, by type of receiving vessel, in short tons, for the period requested. Specify all non-DON recipients of ordnance from your activity (e.g. Army, FMS).

Table 3.3.a: Historic/Programmed Ordnance Throughput Capability

Type of Ship		Annual Short Tons Throughput							
		FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Combatants	CV/ CVN	0	0	0	0	0	0	0	0
	Other	7,863	9,123	9,114	7,257	10,623	8,077	6,662	5,433
Navy Bulk (AE, AOE, AOR, etc.)		7,799	5,072	10,067	9,464	9,613	9,336	7,172	6,441
Navy Amphibious		0	0	0	0	0	0	0	0
Other Break Bulk		0	0	0	0	0	0	0	0
Container Ship		0	0	0	0	0	0	0	0

3. Throughput, continued

Table 3.3.b: Historic/Programmed Ordnance Throughput Capability

Type of Ship		Annual Short Tons Throughput							
		FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Combatants	CV/ CVN	0	0	0	0	0	0	0	0
	Other	8,661	7,739	6,275	9,572	6,737	6,737	6,737	6,737
Navy Bulk (AE, AOE, AOR, etc.)		11,096	2,346	773	763	752	752	752	752
Navy Amphibious		0	0	0	0	0	0	0	0
Other Break Bulk		0	0	0	0	0	0	0	0
Container Ship (Army)		2,500	0	4,000	4,000	4,000	4,000	4,000	4,000

3. Throughput, continued

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3.4 Assuming (a) the current projected total workload and mix remains as assigned; (b) that sufficient demand is available to justify maximum hiring, optimum procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed: what is the maximum extent to which this activity could expand the ordnance outload conducted, based on the current and future planned workload mixes? Please provide your response in annual throughput, by type of receiving vessel, in short tons, that could be accomplished at this facility for the period requested.

Table 3.4: Maximum Potential Ordnance Throughput Capability

Type of Ship		Short Tons Throughput (Daily, 1-8-5)						
		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Combatants	CV / CVN	0	0	0	0	0	0	0
	Other	117	115	115	115	115	115	115
Navy Bulk (AE, AOE, AOR, etc.)		108	106	106	106	106	106	106
Navy Amphibious		0	0	0	0	0	0	0
Other Break Bulk		0	0	0	0	0	0	0
Container Ship (Army)		0	4	4	4	4	4	4

3. Throughput, continued

3.4 Assuming (a) the current projected total workload and mix remains as assigned; (b) that sufficient demand is available to justify maximum hiring, optimum procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed: what is the maximum extent to which this activity could expand the ordnance outload conducted, based on the current and future planned workload mixes? Please provide your response in annual throughput, by type of receiving vessel, in short tons, that could be accomplished at this facility for the period requested.

Table 3.4: Maximum Potential Ordnance Throughput Capability

Type of Ship		Short Tons Throughput (Daily, 3-8-7)						
		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Combatants	CV / CVN	0	0	0	0	0	0	0
	Other	351	345	345	345	345	345	345
Navy Bulk (AE, AOE, AOR, etc.)		324	319	319	319	319	319	319
Navy Amphibious		0	0	0	0	0	0	0
Other Break Bulk		0	0	0	0	0	0	0
Container Ship (Army)		0	11	11	11	11	11	11

3. Throughput, continued

3.5 Provide details of the calculations used to complete Tables 3.4, including assumptions on additional space utilized, major equipment required, production rates, and constraint that limit increased outload workload at this activity.

Maximum Potential Ordnance Throughput Capability based on station mobilization plan, utilizing Pier Bravo (2 berths), Wharf Alpha (2 berths), and Transportation Dock (TC) (2 berths). Estimate 52% of pier operations would be Combatants and 48% AE's. No additional major equipment is required. Berthing availability is limiting constraint.

3.6 Given an environment unconstrained by funds or manning, what Industrial Plant Equipment (IPE) would you change (add, delete, or modify) to increase your activity's capability to perform ordnance outloads? What other investments in the industrial infrastructure would you make to increase activity outload capabilities? Describe quantitatively how the changes above would increase your activity's capabilities. What would the associated costs be? What would be the payback period and return on investment?

Other infrastructure investment to increase our activity's outload capability is to replace Pier C with a Drive On/Drive Off Wharf which would permit additional ships to be serviced simultaneously. Actual cost and payback information is unknown.

Put a container crane on Wharf Alpha to increase outload capability of bulk cargo/MILVANs.

3.7 Are there any ultimate and overriding limiting factors to expansion of this activity's outloading workload? If so, what are they?

No known limiting factors have been identified.

3.8 Are there any environmental, legal, or otherwise limiting factors that inhibit further the development of ordnance outloading at this activity (AICUZ encroachment, pollutant discharge, etc.)?

No known limiting factors have been identified.

Mission Area

4. Maintenance and Testing

4.1 By units of ordnance type and by DLMHs, identify what maintenance and testing has been or is programmed to be performed at this location for the period requested. Report depot-level maintenance as a separate line from intermediate-level maintenance.

Table 4.1.a: Historic and Predicted Maintenance and Testing Workload

Ordnance Type	Units Throughput (All ILM unless otherwise noted)							
	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Mines	0	0	0	0	0	0	0	0
Torpedoes	1,314	1,502	1,220	594	601	135	104	11
Air Launched Threat	0	0	118	0	0	0	23	0
Surface Launched Threat	854	967	1,815	995	729	816	968	956
Other Threat	0	10	60	41	77	137	108	161
Expendables	0	549	153	268	3,249	404	68	1,256
Expendables DLM	0	0	222	104	0	0	0	0
INERT	1,442	3,139	3,435	0	75	1,465	632	8
INERT-SMS DLM	2,704	3,315	3,610	3,908	2,718	1,413	1,541	657
INERT-MK 48 DLM	1,686	2,032	1,765	1,994	1,974	1,309	1,033	839
INERT-MK 46 DLM	429	387	423	610	673	619	463	266
INERT-ASROC DLM	257	181	229	265	233	277	61	63
INERT-MPF DLM	0	0	0	0	0	0	0	295
INERT-MPF DLM-Army	0	0	0	0	0	0	0	0
CADs/PADs	0	0	0	0	0	0	0	0
Strategic Nuclear	*	*	*	*	*	*	*	*
Tactical Nuclear	*	*	*	*	*	*	*	*
LOE: Rockets	0	0	1,318	0	522	526	0	0
LOE: Bombs	0	1,609	15,537	5,521	1,043	1,005	0	5,169
LOE: Gun Ammo (20mm-16")	19,009	63,071	90,271	306,090	45,247	67,926	15,106	367
LOE: Small Arms (up to 50 cal)	104	0	164,677	0	0	0	52,410	0
LOE: Pyro/Demo	0	0	5,354	2,062	0	0	480	0
Grenades/Mortars/Projectiles	0	0	0	0	0	0	17,491	59,665
Grenades/Mortars/Projectiles-DLM	0	33,500	929	0	0	0	0	0
Other: Demil (Tons)	NA	NA	NA	NA	28.4	20.3	38.1	745.8
Total:	27.8K	110K	291K	322K	57.2K	76.0K	90.5K	70K

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*** See NOTE 2 on Table 1.1.a.**

4. Maintenance and Testing, continued

Table 4.1.b: Historic and Predicted Maintenance and Testing Workload

Ordnance Type	Units Throughput (All ILM unless otherwise noted)							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Mines	0	0	0	0	0	0	0	0
Torpedoes	7	0	0	0	0	0	0	0
Air Launched Threat	0	0	0	0	0	0	0	0
Surface Launched Threat	839	1,221	1,116	1,066	1,027	921	921	921
Other Threat	257	491	499	430	622	460	460	460
Expendables	6	151	151	151	151	151	151	151
INERT	464	376	376	376	376	376	376	376
INERT-SMS DLM	615	615	615	615	615	615	615	615
INERT-MK 48 DLM	690	640	600	575	575	575	575	575
INERT-MK 46 DLM	180	180	180	180	180	180	180	180
INERT-ASROC DLM	40	0	0	0	0	0	0	0
INERT-MPF DLM	675	675	675	675	675	675	675	675
INERT-MPF DLM-Army	11	0	392	392	392	392	392	392
CADs/PADs	0	0	0	0	0	0	0	0
Strategic Nuclear *	0	0	0	0	0	0	0	0
Tactical Nuclear *	0	0	0	0	0	0	0	0
LOE: Rockets	0	0	0	0	0	0	0	0
LOE: Bombs DLM	0	375	0	0	0	0	0	0
LOE: Bombs	4,557	14,250	5,200	5,200	5,200	5,200	5,200	5,200
LOE: Gun Ammo (20mm-16")	0	14,000	14,000	14,000	14,000	14,000	14,000	14,000
LOE: Small Arms (up to 50 cal)	52,000	52,000	52,000	52,000	52,000	52,000	52,000	52,000
LOE: Pyro/Demo	0	0	0	0	0	0	0	0
Grenades/Mortars/Projectiles	14,011	50,000	50,000	50,000	50,000	50,000	50,000	50,000
Other: Demil (Tons)	787	750	750	750	750	750	750	750
Total:	75.1K	136K	127K	126K	127K	126K	126K	126K

*** See NOTE 2 on Table 1.1.a.**

4. Maintenance and Testing, continued

Table 4.1.c: Historic and Predicted Maintenance and Testing Workload

Ordnance Type	DLMHs (In 000's) (All ILM unless otherwise noted)							
	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Mines	0	0	0	0	0	0	0	0
Torpedoes	NA	NA	NA	NA	NA	33.3	20.9	5.7
Air Launched Threat	0	0	.2	0	0	0	.1	0
Surface Launched Threat	NA	NA	74.7	72.0	47.1	57.2	66.1	49.6
Other Threat	0	NA	3.7	2.8	5.5	7.2	5.6	5.1
Expendables	0	7.4	7.2	7.6	9.7	9.7	8.7	7.5
Expendables DLM	0	0	.1	.3	0	0	0	0
INERT	2.1	2.2	4.8	0	.1	.5	.6	.1
INERT-SMS DLM	2.9	4.5	7.1	5.2	3.8	1.9	2.2	1.3
INERT-MK 48 DLM	25.9	22.4	19.5	21.9	19.5	13.0	9.4	8.1
INERT-MK 46 DLM	2.6	3.3	1.8	3.1	4.1	3.3	2.7	1.6
INERT-ASROC DLM	1.9	1.3	1.2	1.8	1.7	2.1	.5	.5
INERT-MPF DLM	0	0	0	0	0	0	0	1.2
INERT-MPF DLM-Army	0	0	0	0	0	0	0	0
CADs/PADs	0	0	0	0	0	0	0	0
Strategic Nuclear	*	*	*	*	*	*	*	*
Tactical Nuclear	*	*	*	*	*	*	*	*
LOE: Rockets	0	0	.5	0	.2	.5	0	0
LOE: Bombs	0	3.3	1.4	15.9	4.4	1.9	0	8.4
LOE: Gun Ammo (20mm-16")	13.0	9.8	8.0	1.5	1.5	1.1	.6	.3
LOE: Small Arms (up to 50 cal)	.4	0	.9	0	0	0	.2	0
LOE: Pyro/Demo	0	0	.6	.3	0	0	.2	0
Grenades/Mortars/Projectiles	0	0	0	0	0	0	2.3	6.4
Grenades/Mortars/Projectiles DLM	0	1.6	.2	0	0	0	0	0
Other: Demil (NA=Not Available)	NA	NA	NA	NA	15.6	15.6	17.5	17.9
Total:	48.8	55.8	131.9	132.4	113.2	147.3	137.6	113.7

*** See NOTE 2 on Table 1.1.a.**

4. Maintenance and Testing, continued

Table 4.1.d: Historic and Predicted Maintenance and Testing Workload

Ordnance Type	DLMHs (In 000's) (All ILM unless otherwise noted)							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Mines	0	0	0	0	0	0	0	0
Torpedoes	3.3	0	0	0	0	0	0	0
Air Launched Threat	0	0	0	0	0	0	0	0
Surface Launched Threat	53.5	61.6	58.0	56.2	55.0	51.6	51.6	51.6
Other Threat	8.7	16.7	17.0	14.6	21.1	15.6	15.6	15.6
Expendables	2.1	.6	.6	.6	.6	.6	.6	.6
INERT	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3
INERT-SMS DLM	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
INERT-MK 48 DLM	7.1	6.5	6.1	5.9	5.9	5.9	5.9	5.9
INERT-MK 46 DLM	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
INERT-ASROC DLM	.2	0	0	0	0	0	0	0
INERT-MPF DLM	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
INERT-MPF DLM-Army	.1	0	4.5	4.5	4.5	4.5	4.5	4.5
CADs/PADs	0	0	0	0	0	0	0	0
Strategic Nuclear *	0	0	0	0	0	0	0	0
Tactical Nuclear *	0	0	0	0	0	0	0	0
LOE: Rockets	0	0	0	0	0	0	0	0
LOE: Bombs	6.3	30.3	9.8	9.8	9.8	9.8	9.8	9.8
LOE: Bombs DLM	0	1.8	0	0	0	0	0	0
LOE: Gun Ammo (20mm-16")	0	10.1	10.1	10.1	10.1	10.1	10.1	10.1
LOE: Small Arms (up to 50 cal)	.4	.4	.4.	.4	.4	.4	.4	.4
LOE: Pyro/Demo	0	0	0	0	0	0	0	0
Grenades/Mortars/Projectiles	1.5	4.3	4.3	4.3	4.3	4.3	4.3	4.3
Other: Demil	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7
Total:	112.5	161.7	140.2	135.8	141.1	132.2	132.2	132.2

*** See NOTE 2 on Table 1.1.a.**

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4. Maintenance and Testing, continued

4.2 Assuming (a) the current projected total workload remains as assigned; (b) that sufficient demand is available to justify maximum hiring, optimum procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed: what is the maximum extent to which this activity could expand the maintenance and testing conducted, based on the current and future planned workload mixes? Please provide your response in the absolute number of units throughput and DLMHs that could be accomplished at this facility. Report depot-level maintenance as a separate line from intermediate maintenance.

Table 4.2.a: Maximum Potential Maintenance and Testing Workload

Ordnance Type	Units Throughput (All ILM unless otherwise noted)						
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Mines	0	0	0	0	0	0	0
Torpedoes	0	0	0	0	0	0	0
Air Launched Threat	0	0	0	0	0	0	0
Surface Launched Threat	1,991	1,991	1,991	1,991	1,991	1,991	1,991
Other Threat	500	500	500	500	500	500	500
Expendables	446	446	446	446	446	446	446
Expendables DLM	0	0	0	0	0	0	0
INERT	1,664	1,664	1,664	1,664	1,664	1,664	1,664
INERT-SMS DLM	1,815	1,815	1,815	1,815	1,815	1,815	1,815
INERT-MK 48 DLM	1,800	1,800	1,800	1,800	1,800	1,800	1,800
INERT-MK 46 DLM	501	501	501	501	501	501	501
INERT-ASROC DLM	0	0	0	0	0	0	0
INERT-MPF DLM	1,200	1,200	1,200	1,200	1,200	1,200	1,200
INERT-MPF DLM-Army	810	810	810	810	810	810	810
CADs/PADs	0	0	0	0	0	0	0
Strategic Nuclear	0	0	0	0	0	0	0
Tactical Nuclear	0	0	0	0	0	0	0
LOE: Rockets	0	0	0	0	0	0	0
LOE: Bombs	32,797	32,797	32,797	32,797	32,797	32,797	32,797
LOE: Bombs DLM	553	553	553	553	553	553	553
LOE: Gun Ammo (20mm-16")	38,281	38,281	38,281	38,281	38,281	38,281	38,281
LOE: Small Arms (up to 50 cal)	214,468	214,468	214,468	214,468	214,468	214,468	214,468
LOE: Pyro/Demo	0	0	0	0	0	0	0

4. Maintenance and Testing, continued

4.2 Assuming (a) the current projected total workload remains as assigned; (b) that sufficient demand is available to justify maximum hiring, optimum procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed: what is the maximum extent to which this activity could expand the maintenance and testing conducted, based on the current and future planned workload mixes? Please provide your response in the absolute number of units throughput and DLMHs that could be accomplished at this facility. Report depot-level maintenance as a separate line from intermediate maintenance.

Table 4.2.a: Maximum Potential Maintenance and Testing Workload

Ordnance Type	Units Throughput **(All ILM unless otherwise noted)**						
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Mines	0	0	0	0	0	0	0
Torpedoes	0	0	0	0	0	0	0
Air Launched Threat	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Surface Launched Threat	1,991	1,991	1,991	1,991	1,991	1,991	1,991
Other Threat	500	500	500	500	500	500	500
Expendables	35,150	35,150	35,150	35,150	35,150	35,150	35,150
Expendables DLM	3,550	3,550	3,500	3,500	3,550	3,500	3,500
INERT	16,500	16,500	16,500	16,500	16,500	16,500	16,500
INERT-SMS DLM	1,815	1,815	1,815	1,815	1,815	1,815	1,815
INERT-MK 48 DLM	1,800	1,800	1,800	1,800	1,800	1,800	1,800
INERT-MK 46 DLM	501	501	501	501	501	501	501
INERT-ASROC DLM	0	0	0	0	0	0	0
INERT-MPF DLM	1,200	1,200	1,200	1,200	1,200	1,200	1,200
INERT-MPF DLM-Army	810	810	810	810	810	810	810
CADs/PADs	0	0	0	0	0	0	0
Strategic Nuclear *	0	0	0	0	0	0	0
Tactical Nuclear *	0	0	0	0	0	0	0
LOE: Rockets	57,000	57,000	57,000	57,000	57,000	57,000	57,000
LOE: Bombs	10,000	10,000	10,000	10,000	10,000	10,000	10,000
LOE: Bombs DLM	1,010	1,010	1,010	1,010	1,010	1,010	1,010
LOE: Gun Ammo (20mm-16")	78,000	78,000	78,000	78,000	78,000	78,000	78,000
LOE: Small Arms (up to 50 cal)	17.5M	17.5M	17.5M	17.5M	17.5M	17.5M	17.5M
LOE: Pyro/Demo	77,500	77,500	77,500	77,500	77,500	77,500	77,500

Grenades/Mortars/Projectiles	155,999	155,999	155,999	155,999	155,999	155,999	155,999
Grenades/Mortars/Projectiles DLM	0	0	0	0	0	0	0
Other: Demil	4,550	4,550	4,550	4,550	4,550	4,550	4,550
Total:	457,375	457,375	457,375	457,375	457,375	457,375	457,375

NOTE: LOE and expendable capabilities reflect quantity for current (FY94) and projected (FY95-96) workload mix. WPNSTA Charleston has the capability to process ILM and DLM for expendables, inert, all LOE commodities, grenades/morters/projectiles, and M&I of air launched threat missiles.

Grenades/Mortars/Projectiles	69,300	69,300	69,300	69,300	69,300	69,300	69,300
Grenades/Mortars/Projectiles DLM	7,000	7,000	7,000	7,000	7,000	7,000	7,000
Other: Demil	4,800	4,800	4,800	4,800	4,800	4,800	4,800
Total:	17.9M	17.9M	17.9M	17.9M	17.9M	17.9M	17.9M

NOTE: LOE and expendable capabilities reflect quantity for specific families of items. Normal workload/throughput will consist of a mix of all items with varied statements of work which would dictate total throughput.

*** See NOTE 2 on Table 1.1.a.**

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4. Maintenance and Testing, continued

Table 4.2.b: Maximum Potential Maintenance and Testing Workload

Ordnance Type	DLMHs (In 000's) (All ILM unless otherwise noted)						
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Mines	0	0	0	0	0	0	0
Torpedoes	0	0	0	0	0	0	0
Air Launched Threat	0	0	0	0	0	0	0
Surface Launched Threat	100.5	100.5	100.5	100.5	100.5	100.5	100.5
Other Threat	17.0	17.0	17.0	17.0	17.0	17.0	17.0
Expendables	.3	.3	.3	.3	.3	.3	.3
Expendables DLM	0	0	0	0	0	0	0
INERT	2.3	2.3	2.3	2.3	2.3	2.3	2.3
INERT-SMS DLM	3.9	3.9	3.9	3.9	3.9	3.9	3.9
INERT-MK 48 DLM	18.6	18.6	18.6	18.6	18.6	18.6	18.6
INERT-MK 46 DLM	2.6	2.6	2.6	2.6	2.6	2.6	2.6
INERT-ASROC DLM	0	0	0	0	0	0	0
INERT-MPF DLM	13.2	13.2	13.2	13.2	13.2	13.2	13.2
INERT-MPF-Army	9.3	9.3	9.3	9.3	9.3	9.3	9.3
CADs/PADs	0	0	0	0	0	0	0
Strategic Nuclear	0	0	0	0	0	0	0
Tactical Nuclear	0	0	0	0	0	0	0
LOE: Rockets	0	0	0	0	0	0	0
LOE: Bombs	67.0	67.0	67.0	67.0	67.0	67.0	67.0
LOE: Bombs DLM	2.7	2.7	2.7	2.7	2.7	2.7	2.7
LOE: Gun Ammo (20mm-16")	6.1	6.1	6.1	6.1	6.1	6.1	6.1
LOE: Small Arms (up to 50 cal)	.1	.1	.1	.1	.1	.1	.1
LOE: Pyro/Demo	0	0	0	0	0	0	0
Grenades/Mortars/Projectiles	34.2	34.2	34.2	34.2	34.2	34.2	34.2
Grenades/Mortars/Projectiles DLM	0	0	0	0	0	0	0
Other: Demil	43.8	43.8	43.8	43.8	43.8	43.8	43.8
Total:	321.6	321.6	321.6	321.6	321.6	321.6	321.6

4. Maintenance and Testing, continued

Table 4.2.b: Maximum Potential Maintenance and Testing Workload

Ordnance Type	DLMHs (In 000's) **(All ILM unless otherwise noted)**						
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Mines	0	0	0	0	0	0	0
Torpedoes	0	0	0	0	0	0	0
Air Launched Threat	3.6	3.6	3.6	3.6	3.6	3.6	3.6
Surface Launched Threat	100.5	100.5	100.5	100.5	100.5	100.5	100.5
Other Threat	17.0	17.0	17.0	17.0	17.0	17.0	17.0
Expendables	22.5	22.5	22.5	22.5	22.5	22.5	22.5
Expendables DLM	3.6	3.6	3.6	3.6	3.6	3.6	3.6
INERT	23.2	23.2	23.2	23.2	23.2	23.2	23.2
INERT-SMS DLM	3.9	3.9	3.9	3.9	3.9	3.9	3.9
INERT-MK 48 DLM	18.6	18.6	18.6	18.6	18.6	18.6	18.6
INERT-MK 46 DLM	2.6	2.6	2.6	2.6	2.6	2.6	2.6
INERT-ASROC DLM	0	0	0	0	0	0	0
INERT-MPF DLM	13.2	13.2	13.2	13.2	13.2	13.2	13.2
INERT-MPF-Army	9.3	9.3	9.3	9.3	9.3	9.3	9.3
CADs/PADs	0	0	0	0	0	0	0
Strategic Nuclear *	0	0	0	0	0	0	0
Tactical Nuclear *	0	0	0	0	0	0	0
LOE: Rockets	29.8	29.8	29.8	29.8	29.8	29.8	29.8
LOE: Bombs	20.4	20.4	20.4	20.4	20.4	20.4	20.4
LOE: Bombs DLM	4.9	4.9	4.9	4.9	4.9	4.9	4.9
LOE: Gun Ammo (20mm-16")	12.1	12.1	12.1	12.1	12.1	12.1	12.1
LOE: Small Arms (up to 50 cal)	47.1	47.1	47.1	47.1	47.1	47.1	47.1
LOE: Pyro/Demo	8.6	8.6	8.6	8.6	8.6	8.6	8.6
Grenades/Mortars/Projectiles	15.2	15.2	15.2	15.2	15.2	15.2	15.2
Grenades/Mortars/Projectiles DLM	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Other: Demil	43.8	43.8	43.8	43.8	43.8	43.8	43.8
Total:	402.1	402.1	402.1	402.1	402.1	402.1	402.1

***See NOTE 2 on Table 1.1.a.**

4. Maintenance and Testing, continued Revised pg

4.3 Provide details of the calculations used to complete Tables 4.2, including assumptions on additional space utilized, major equipment required, production rates, and constraint that limit increased maintenance and testing workload at this activity.

Torpedoes: Capabilities removed as follows: Mk 46 Torpedo (1 Oct 91), ASROC (30 Oct 93) and Mk 50 Torpedo (8 Mar 94).

Surface Launch Threat-Standard Missile: 31 Personnel. 4 production support, 2 quality assurance, 25 test/assembly producing 1,991 units annually (7 RFI daily for 232 days; test set not available 18 days annually for calibration/repairs), and producing 193 MSI and 174 MRI annually based on normal mix on a 1-8-5. No additional equipment or space required. This effort is currently performed on 1-10-4.

Other Threat-TOMAHAWK: 9 personnel. 2 production support, 1 quality surveillance and 6 mechanics producing 500 RFI units annually (2 RFI daily on 2 lines, with concurrent canister preparation in same facility on a 1-8-5). No additional equipment or space required. This effort is currently performed on 1-10-4.

Expendables: Mobile Submarine Simulator (MOSS) capability removed 2 Nov 93.

LOE and expendable items: Statement of work is limiting factor for determining capability. Normally use 7 to 17 personnel per line (depending on work to be performed) in three facilities with 2 line capability. Capabilities based on 1-8-5, this effort is currently performed on 1-10-4. No additional equipment or space is required.

SMS/MK 46/MK 48 container Depot Level Maintenance: 5 personnel, in 2 facilities, producing 2,616 units annually on a 1-8-5.

MK 48 DLM Torpedo Mounted Dispenser: 9 personnel on a single line on a 1-8-5, producing 1,500 units annually.

Maritime Pre-positioning Force container DLM: 14 personnel in 2 facilities on a 1-8-5, producing 2010 units annually. All DLM workload is currently performed on 1-10-4.

Other-Demil: 25 personnel. 4 Administration; 10 range disposal @ 16 tons per day; 5 other disposal @ 1.6 tons per day; 6 furnace demil @ .6 tons per day, all based on 1-8-5. This effort is currently performed on 1-10-4.

4. Maintenance and Testing, continued

4.3 Provide details of the calculations used to complete Tables 4.2, including assumptions on additional space utilized, major equipment required, production rates, and constraint that limit increased maintenance and testing workload at this activity.

Torpedoes: Capabilities removed as follows: Mk 46 Torpedo (1 Oct 91), ASROC (30 Oct 93) and Mk 50 Torpedo (8 Mar 94).

Surface Launch Threat-Standard Missile: 31 Personnel. 4 production support, 2 quality assurance, 25 test/assembly producing 1,991 units annually (7 RFI daily for 232 days; test set not available 18 days annually for calibration/repairs), and producing 193 MSI and 174 MRI annually based on normal mix on a 1-8-5. No additional equipment or space required. This effort is currently performed on 1-10-4.

Other Threat-TOMAHAWK: 9 personnel. 2 production support, 1 quality surveillance and 6 mechanics producing 500 RFI units annually (2 RFI daily on 2 lines, with concurrent canister preparation in same facility on a 1-8-5). No additional equipment or space required. This effort is currently performed on 1-10-4.

Expendables: Mobile Submarine Simulator (MOSS) capability removed 2 Nov 93.

LOE and expendable items: Statement of work is limiting factor for determining capability. Normally use 7 to 17 personnel per line (depending on work to be performed) in a 2 line facility. Capabilities based on 1-8-5, this effort is currently performed on 1-10-4. No additional equipment or space is required.

SMS/MK 46/MK 48 container Depot Level Maintenance: 5 personnel, in 2 facilities, producing 2,616 units annually on a 1-8-5. CR

MK 48 DLM Torpedo Mounted Dispenser: 9 personnel on a single line on a 1-8-5, producing 1,500 units annually.

Maritime Pre-positioning Force container DLM: 14 personnel in 2 facilities on a 1-8-5, producing 2010 units annually. All DLM workload is currently performed on 1-10-4.

Other-Demil: 25 personnel. 4 Administration; 10 range disposal @ 16 tons per day; 5 other disposal @ 1.6 tons per day; 6 furnace demil @ 1.6 tons per day, all based on 1-8-5. This effort is currently performed on 1-10-4.

4.4 Table 4.7, on the following page, may be used as a worksheet for the following questions. Given an environment unconstrained by funds or manning, what Industrial Plant Equipment (IPE) would you change (add, delete, or modify) to increase your activity's capability to perform maintenance and testing workload? What other investments in the industrial infrastructure would you make to increase maintenance and testing capabilities? Describe quantitatively how the changes above would increase your activity's capabilities. What would the associated costs be? What would be the payback period and return on investment?

Unconstrained major additions to increase our activity's maintenance and testing capability are identified Table 4.7.

4.5 Are there any ultimate and overriding limiting factors to expansion of this activity's maintenance and testing workload? If so, what are they?

No known limiting factors have been identified.

4.6 Are there any environmental, legal, or otherwise limiting factors that inhibit further the development of ordnance maintenance and testing at this activity (AICUZ encroachment, pollutant discharge, etc.)?

No known limiting factors have been identified.

4. Maintenance and Testing, continued Revised pg

4.7 For all Maintenance and Testing identified in section 4.1, specify which items (by family of weapon) and the quantity (by number of units per year) you can maintain (e.g. Captor 50/yr, Phoenix 100/yr, etc.). Identify factors limiting your capability, the total cost to remove the limiting factor and the new rate that could be maintained.

Table 4.7: Ordnance Maintenance and Testing Factors

Ordnance (Type-Qty)	Current Rate[1]	Limiting Factors	Cost to Remove ($K)	New Rate
MK 50 Torpedo	0	MK 644 Test Set	$3,000	175
Standard Missile	1,991	MK 612-4 Test Set	$4,000	3,248
Tomahawk	500	Plant Capacity [2]	NA	NA
Expendables	446	Plant Capacity [2]	NA	NA
Inert	1,664	Plant Capacity [2]	NA	NA
Inert-SMS/MK 46/MK 48 Container DLM	2,616	Paint Booth and Grit Sand-Blast Reclamation Booth	$900	3,775
Inert-MK 48 TMD DLM	1,500	Plant Capacity [2]	NA	NA
Inert-MPF DLM	2,010	Plant Capacity [2]	NA	NA
LOE: Rockets	0	Plant Capacity [2]	NA	NA
LOE: Bombs	32,797	Plant Capacity [2]	NA	NA
LOE: Bombs DLM	553	Plant Capacity [2]	NA	NA
LOE: Gun Ammo	38,281	Plant Capacity [2]	NA	NA
LOE: Small Arms	214,468	Plant Capacity [2]	NA	NA
LOE: Pyro/Demo	0	Plant Capacity [2]	NA	NA
Grenades/Mortars /Projectiles	155,999	Plant Capacity [2]	NA	NA
Other: Demil Furnace	150 Tons	Stationary Furnace	$4,325	400 Tons

1. Rates are Annual Units, unless otherwise noted.

2. Current rates reflect current mix throughput capacity. Capacity exist to perform all designated levels of maintenance. DLM quantities reflect capability performing major renovation; i.e., Fuse replacement, primer replacement, link/delink of small arms, etc. Ability to perform major renovation is contingent upon availability of specialized ammunition peculiar equipment (APE).

4. Maintenance and Testing, continued

4.7 For all Maintenance and Testing identified in section 4.1, specify which items (by family of weapon) and the quantity (by number of units per year) you can maintain (e.g. Captor 50/yr, Phoenix 100/yr, etc.). Identify factors limiting your capability, the total cost to remove the limiting factor and the new rate that could be maintained.

Table 4.7: Ordnance Maintenance and Testing Factors

Ordnance (Type-Qty)	Current Rate[1]	Limiting Factors	Cost to Remove ($K)	New Rate
MK 50 Torpedo	0	MK 644 Test Set	$3,000	175
Standard Missile	1,991	MK 612-4 Test Set	$4,000	3,248
Tomahawk	500	Plant Capacity [2]	NA	NA
Expendables	45,000	Plant Capacity [2]	NA	NA
Expendables DLM	35,500	Plant Capacity [2]	NA	NA
Inert	16,500	Plant Capacity [2]	NA	NA
Inert-SMS/MK 46/MK 48 Container DLM	2,616	Paint Booth and Grit Sand-Blast Reclamation Booth	$900	3,775
Inert-MK 48 TMD DLM	1,500	Plant Capacity [2]	NA	NA
Inert-MPF DLM	2,010	Plant Capacity [2]	NA	NA
LOE: Rockets	57,000	Plant Capacity [2]	NA	NA
LOE: Bombs	11,250	Plant Capacity [2]	NA	NA
LOE: Bombs DLM	10,100	Plant Capacity [2]	NA	NA
LOE: Gun Ammo	78,000	Plant Capacity [2]	NA	NA
LOE: Small Arms	17,500,000	Plant Capacity [2]	NA	NA
LOE: Pyro/Demo	77,500	Plant Capacity [2]	NA	NA
Grenades/Mortars /Projectiles	85,000	Plant Capacity [2]	NA	NA
Grenades/Mortars/Projectiles DLM	70,000	Plant Capacity [2]	NA	NA
Other: Demil Furnace	150 Tons	Stationary Furnace	$4,325	400 Tons

1. Rates are Annual Units, unless otherwise noted.

2. Current rates reflect current mix throughput capacity. Capacity exist to perform all designated levels of maintenance. DLM quantities reflect capability performing major renovation; i.e., Fuse replacement, primer replacement, link/delink of small arms, etc. Ability to perform major renovation is contingent upon availability of specialized ammunition peculiar equipment (APE).

4. Maintenance and Testing, continued

4.8 If the workload reported in section 4.1 is not the complete maintenance/testing package required by the munition, briefly describe what additional work is required, where the weapon must be sent to accomplish the work, and at what frequency the work must be done. Report depot-level maintenance as a separate line from intermediate maintenance.

Table 4.8: Additional Ordnance Maintenance and Testing Requirements

Munitions Type	Additional Work Required	Location for Additional Work	Frequency of Additional Work
Tomahawk ILM	**Depot Level Repair or Retrofit**	**Titusville, FL or San Diego, CA**	**100 Annually**

4.9 For each additional maintenance or testing action listed in Table 4.8 above, identify if that workload could be performed at your activity. Briefly describe what modifications would be necessary to accomplish that workload at your activity, and the associated costs.

Tomahawk Repair and Retrofit: To perform this work at WPNSTA Charleston, the renovation of a currently available facility and specialized equipment would be required. No cost estimates has been accomplished at this time.

4. Maintenance and Testing, continued

Questions 4.10-4.15 refer to Depot Maintenance workload performance only.

4.10 Given the current configuration and operation of your activity, provide the depot/industrial level maintenance by commodity group (from the Commodity List in the Notes at the beginning of this Data Call) that was executed in and is programmed for the Fiscal Years (FY) requested in units throughput and in Direct Labor Man Hours (DLMHs). Summarize ordnance commodity types serviced at this activity from the totals provided in Tables 4.1.a-.d.

Table 4.10.a: Historic and Predicted Depot/Industrial Workload

Commodity Type	Throughput (Units)							
	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Other: Inert	**5,076**	**5,915**	**6,027**	**6,777**	**5,598**	**3,618**	**3,098**	**2,120**
Munitions/Ordnance	**0**	**33,500**	**1,151**	**104**	**0**	**0**	**0**	**0**
Total:	**5,076**	**39,415**	**7,178**	**6,881**	**5,598**	**3,618**	**3,098**	**2,120**

Table 4.10.b: Historic and Predicted Depot/Industrial Workload

Commodity Type	Throughput (Units)							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Other: Inert	**2,211**	**2,110**	**2,462**	**2,437**	**2,437**	**2,437**	**2,437**	**2,437**
Munitions/Ordnance	**0**	**375**	**0**	**0**	**0**	**0**	**0**	**0**
Total:	**2,211**	**2,110**	**2,462**	**2,437**	**2,437**	**2,437**	**2,437**	**2,437**

4. Maintenance and Testing, continued

Table 4.10.c: Historic and Predicted Depot/Industrial Workload

Commodity Type	Throughput (DLMHs **In 000's**)							
	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Other: Inert	**33.3**	**31.5**	**29.6**	**32.0**	**29.1**	**20.3**	**14.8**	**12.7**
Munitions/Ordnance	**0**	**1.6**	**.3**	**.3**	**0**	**0**	**0**	**0**
Total:	**33.3**	**33.1**	**29.9**	**32.3**	**29.1**	**20.3**	**14.8**	**12.7**

Table 4.10.d: Historic and Predicted Depot/Industrial Workload

Commodity Type	Throughput (DLMHs **In 000's**)							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Other: Inert	**17.8**	**16.9**	**21.0**	**20.8**	**20.8**	**20.8**	**20.8**	**20.8**
Munitions/Ordnance	**0**	**1.8**	**0**	**0**	**0**	**0**	**0**	**0**
Total:	**17.8**	**18.7**	**21.0**	**20.8**	**20.8**	**20.8**	**20.8**	**20.8**

4. Maintenance and Testing, continued Revised pg

4.11 For each commodity group type reported in Tables 4.10.a through 4.10.d, assume (a) the current projected total depot / industrial workload remains as assigned; (b) that sufficient production demand is available to justify maximum hiring, optimum (repeat order manufacturing lead times) procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed: what is the maximum extent to which depot / industrial maintenance operations could be expanded at this activity, based on the current and future planned workload mixes, for the requested period? Please provide your response in both the absolute maximum number of units and DLMHs that could be processed at this activity by applicable commodity group. Summarize Ordnance from Table 4.2.a-b.

Table 4.11.a: Maximum Potential Depot/Industrial Workload

Commodity Type	Throughput (Units)							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Other: Inert	6,126	6,126	6,126	6,126	6,126	6,126	6,126	6,126
Munitions/Ord	553	553	553	553	553	553	553	553
Total:	6,679	6,679	6,679	6,679	6,679	6,679	6,679	6,679

Table 4.11.b: Maximum Potential Depot/Industrial Workload

Commodity Type	Throughput (DLMHs In 000's)							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Other: Inert	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
Munitions/Ord	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
Total:	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3

4. Maintenance and Testing, continued

4.11 For each commodity group type reported in Tables 4.10.a through 4.10.d, assume (a) the current projected total depot / industrial workload remains as assigned; (b) that sufficient production demand is available to justify maximum hiring, optimum (repeat order manufacturing lead times) procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed: what is the maximum extent to which depot / industrial maintenance operations could be expanded at this activity, based on the current and future planned workload mixes, for the requested period? Please provide your response in both the absolute maximum number of units and DLMHs that could be processed at this activity by applicable commodity group. Summarize Ordnance from Table 4.2.a-b.

Table 4.11.a: Maximum Potential Depot/Industrial Workload

Commodity Type	Throughput (Units)							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Other: Inert	**6,126**	**6,126**	**6,126**	**6,126**	**6,126**	**6,126**	**6,126**	**6,126**
Munitions/Ord	**11,560**	**11,560**	**11,560**	**11,560**	**11,560**	**11,560**	**11,560**	**11,560**
Total:	**17,686**	**17,686**	**17,686**	**17,686**	**17,686**	**17,686**	**17,686**	**17,686**

Table 4.11.b: Maximum Potential Depot/Industrial Workload

Commodity Type	Throughput (DLMHs **In 000's**)							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Other: Inert	**47.6**	**47.6**	**47.6**	**47.6**	**47.6**	**47.6**	**47.6**	**47.6**
Munitions/Ord	**10.7**	**10.7**	**10.7**	**10.7**	**10.7**	**10.7**	**10.7**	**10.7**
Total:	**58.3**	**58.3**	**58.3**	**58.3**	**58.3**	**58.3**	**58.3**	**58.3**

4. Maintenance and Testing, continued

4.12 Provide details of your calculations in Tables 4.11.a-b including assumptions on additional space utilized, major equipment required, production rates, and constraints that limit increased workload by commodity group at this activity.

SMS/MK 46/MK 48 container Depot Level Maintenance: 5 personnel, in 2 facilities, producing 2,616 units annually on a 1-8-5.
MK 48 DLM Torpedo Mounted Dispenser: 9 personnel on a single line on a 1-8-5, producing 1,500 units annually.
Maritime Pre-positioning Force container DLM: 14 personnel in 2 facilities on a 1-8-5, producing 2010 units annually. All DLM workload is currently performed on 1-10-4.

Expendables and LOE items: Statement of work is limiting factor for determining capability. Normally use 7 to 17 personnel per line (depending on work to be performed) in a 2 line facility. Capabilities based on 1-8-5, this effort is currently performed on 1-10-4. No additional equipment or space is required.

4.13 Given an environment unconstrained by funds or manning, what Industrial Plant Equipment (IPE) would you change (add, delete, or modify) to increase your activity's capability to perform workload in each of the applicable commodity groups? Describe quantitatively how the changes above would increase your activity's depot/industrial level maintenance capabilities. What would the associated costs be? What would be the payback period and return on investment?

SMS/MK 46/MK 48 Container Depot Level Maintenance: See Table 4.7.

Expendables and LOE: Have sufficient space and equipment, no additional investments required.

4.14 Are there any environmental, legal, or otherwise limiting factors that inhibit further the development of depot/industrial level workload and this activity (AICUZ encroachment, pollutant discharge, etc.)?

No known limiting factors have been identified.

4. Maintenance and Testing, continued Revised pg

4.15 Workload Summary. Enter the information from the Predicted and Potential Workload sections of Tables 4.10 and 4.11 into the table below and calculate the variance between projected and potential workloads. Again, clearly identify each commodity and include all commodities serviced at this activity.

Table 4.15.a: PREDICTED WORKLOAD VARIANCE FOR FY 1995

FY 1995 Commodity Type	Product (units)			DLMHs (In 000's)		
	Predicted Workload	Potential Workload	Variance	Predicted Workload	Potential Workload	Variance
Other: Inert	2,110	6,126	4,016	16.9	47.6	30.7
Munitions/Ord	375	553	178	1.8	2.7	.9
Total	N/A	N/A	N/A	18.7	50.3	31.6

[1] This workload is not duplicative of any previously reported workload. Detail all production categorized as "other".

Table 4.15.b: PREDICTED WORKLOAD VARIANCE FOR FY 1996

FY 1996 Commodity Type	Product (units)			DLMHs (In 000's)		
	Predicted Workload	Potential Workload	Variance	Predicted Workload	Potential Workload	Variance
Other: Inert	2,462	6,126	3,664	21.0	47.6	26.6
Munitions/Ord	0	553	553	0	2.7	2.7
Total	N/A	N/A	N/A	21.0	50.3	29.3

[1] This workload is not duplicative of any previously reported workload. Detail all production categorized as "other".

4. Maintenance and Testing, continued

4.15 Workload Summary. Enter the information from the Predicted and Potential Workload sections of Tables 4.10 and 4.11 into the table below and calculate the variance between projected and potential workloads. Again, clearly identify each commodity and include all commodities serviced at this activity.

Table 4.15.a: PREDICTED WORKLOAD VARIANCE FOR FY 1995

FY 1995 Commodity Type	Product (units)			DLMHs **(In 000's)**		
	Predicted Workload	Potential Workload	Variance	Predicted Workload	Potential Workload	Variance
Other: Inert	**2,110**	**6,126**	**4,016**	**16.9**	**47.6**	**30.7**
Munitions/Ord	**375**	**11,560**	**11,185**	**1.8**	**10.7**	**8.9**
Total	N/A	N/A	N/A	**18.7**	**58.3**	**39.6**

[1] This workload is not duplicative of any previously reported workload. Detail all production categorized as "other".

Table 4.15.b: PREDICTED WORKLOAD VARIANCE FOR FY 1996

FY 1996 Commodity Type	Product (units)			DLMHs **(In 000's)**		
	Predicted Workload	Potential Workload	Variance	Predicted Workload	Potential Workload	Variance
Other: Inert	**2,462**	**6,126**	**3,664**	**21.0**	**47.6**	**26.6**
Munitions/Ord	**0**	**11,560**	**11,560**	**0**	**10.7**	**10.7**
Total	N/A	N/A	N/A	**21.0**	**58.3**	**37.3**

[1] This workload is not duplicative of any previously reported workload. Detail all production categorized as "other".

4. Maintenance and Testing, continued Revised pg

Table 4.15.c: PREDICTED WORKLOAD VARIANCE FOR FY 1997

FY 1997 Commodity Type	Product (units)			DLMHs (In 000's)		
	Predicted Workload	Potential Workload	Variance	Predicted Workload	Potential Workload	Variance
Other: Inert	2,437	6,126	3,689	20.8	47.6	26.8
Munitions/Ord	0	553	553	0	2.7	2.7
Total	N/A	N/A	N/A	20.8	50.3	29.5

[1] This workload is not duplicative of any previously reported workload. Detail all production categorized as "other".

Table 4.15.d: PREDICTED WORKLOAD VARIANCE FOR FY 1998

FY 1998 Commodity Type	Product (units)			DLMHs (In 000's)		
	Predicted Workload	Potential Workload	Variance	Predicted Workload	Potential Workload	Variance
Other: Inert	2,437	6,126	3,689	20.8	47.6	26.8
Munitions/Ord	0	553	553	0	2.7	2.7
Total	N/A	N/A	N/A	20.8	50.3	29.5

[1] This workload is not duplicative of any previously reported workload. Detail all production categorized as "other".

4. Maintenance and Testing, continued

Table 4.15.c: PREDICTED WORKLOAD VARIANCE FOR FY 1997

FY 1997 Commodity Type	Product (units)			DLMHs **(In 000's)**		
	Predicted Workload	Potential Workload	Variance	Predicted Workload	Potential Workload	Variance
Other: Inert	**2,437**	**6,126**	**3,689**	**20.8**	**47.6**	**26.8**
Munitions/Ord	**0**	**11,560**	**11,560**	**0**	**10.7**	**10.7**
Total	N/A	N/A	N/A	**20.8**	**58.3**	**37.5**

[1] This workload is not duplicative of any previously reported workload. Detail all production categorized as "other".

Table 4.15.d: PREDICTED WORKLOAD VARIANCE FOR FY 1998

FY 1998 Commodity Type	Product (units)			DLMHs **(In 000's)**		
	Predicted Workload	Potential Workload	Variance	Predicted Workload	Potential Workload	Variance
Other: Inert	**2,437**	**6,126**	**3,689**	**20.8**	**47.6**	**26.8**
Munitions/Ord	**0**	**11,560**	**11,560**	**0**	**10.7**	**10.7**
Total	N/A	N/A	N/A	**20.8**	**58.3**	**37.5**

[1] This workload is not duplicative of any previously reported workload. Detail all production categorized as "other".

4. Maintenance and Testing, continued

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Table 4.15.e: PREDICTED WORKLOAD VARIANCE FOR FY 1999

FY 1999 Commodity Type	Product (units)			DLMHs (In 000's)		
	Predicted Workload	Potential Workload	Variance	Predicted Workload	Potential Workload	Variance
Other: Inert	2,437	6,126	3,689	20.8	47.6	26.8
Munitions/Ord	0	553	553	0	2.7	2.7
Total	N/A	N/A	N/A	20.8	50.3	29.5

[1] This workload is not duplicative of any previously reported workload. Detail all production categorized as "other".

Table 4.15.f: PREDICTED WORKLOAD VARIANCE FOR FY 2000

FY 2000 Commodity Type	Product (units)			DLMHs (In 000's)		
	Predicted Workload	Potential Workload	Variance	Predicted Workload	Potential Workload	Variance
Other: Inert	2,437	6,126	3,689	20.8	47.6	26.8
Munitions/Ord	0	553	553	0	2.7	2.7
Total	N/A	N/A	N/A	20.8	50.3	29.5

[1] This workload is not duplicative of any previously reported workload. Detail all production categorized as "other".

4. Maintenance and Testing, continued

Table 4.15.e: PREDICTED WORKLOAD VARIANCE FOR FY 1999

FY 1999 Commodity Type	Product (units)			DLMHs (In 000's)		
	Predicted Workload	Potential Workload	Variance	Predicted Workload	Potential Workload	Variance
Other: Inert	**2,437**	**6,126**	**3,689**	**20.8**	**47.6**	**26.8**
Munitions/Ord	**0**	**553**	**553**	**0**	**2.7**	**2.7**
Total	N/A	N/A	N/A	**20.8**	**50.3**	**29.5**

[1] This workload is not duplicative of any previously reported workload. Detail all production categorized as "other".

Table 4.15.f: PREDICTED WORKLOAD VARIANCE FOR FY 2000

FY 2000 Commodity Type	Product (units)			DLMHs (In 000's)		
	Predicted Workload	Potential Workload	Variance	Predicted Workload	Potential Workload	Variance
Other: Inert	**2,437**	**6,126**	**3,689**	**20.8**	**47.6**	**26.8**
Munitions/Ord	**0**	**553**	**553**	**0**	**2.7**	**2.7**
Total	N/A	N/A	N/A	**20.8**	**50.3**	**29.5**

[1] This workload is not duplicative of any previously reported workload. Detail all production categorized as "other".

4. Maintenance and Testing, continued

Table 4.15.e: PREDICTED WORKLOAD VARIANCE FOR FY 1999

FY 1999 Commodity Type	Product (units)			DLMHs **(In 000's)**		
	Predicted Workload	Potential Workload	Variance	Predicted Workload	Potential Workload	Variance
Other: Inert	**2,437**	**6,126**	**3,689**	**20.8**	**47.6**	**26.8**
Munitions/Ord	**0**	**11,560**	**11,560**	**0**	**10.7**	**10.7**
Total	N/A	N/A	N/A	**20.8**	**58.3**	**37.5**

[1] This workload is not duplicative of any previously reported workload. Detail all production categorized as "other".

Table 4.15.f: PREDICTED WORKLOAD VARIANCE FOR FY 2000

FY 2000 Commodity Type	Product (units)			DLMHs **(In 000's)**		
	Predicted Workload	Potential Workload	Variance	Predicted Workload	Potential Workload	Variance
Other: Inert	**2,437**	**6,126**	**3,689**	**20.8**	**47.6**	**26.8**
Munitions/Ord	**0**	**11,560**	**11,560**	**0**	**10.7**	**10.7**
Total	N/A	N/A	N/A	**20.8**	**58.3**	**37.5**

[1] This workload is not duplicative of any previously reported workload. Detail all production categorized as "other".

4. Maintenance and Testing, continued

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Table 4.15.g: PREDICTED WORKLOAD VARIANCE FOR FY 2001

FY 2001 Commodity Type	Product (units)			DLMHs **(In 000's)**		
	Predicted Workload	Potential Workload	Variance	Predicted Workload	Potential Workload	Variance
Other: Inert	**2,437**	**6,126**	**3,689**	**20.8**	**47.6**	**26.8**
Munitions/Ord	**0**	**553**	**553**	**0**	**2.7**	**2.7**
Total	N/A	N/A	N/A	**20.8**	**50.3**	**29.5**

[1] This workload is not duplicative of any previously reported workload. Detail all production categorized as "other".

4. Maintenance and Testing, continued

Table 4.15.g: PREDICTED WORKLOAD VARIANCE FOR FY 2001

FY 2001 Commodity Type	Product (units)			DLMHs **(In 000's)**		
	Predicted Workload	Potential Workload	Variance	Predicted Workload	Potential Workload	Variance
Other: Inert	**2,437**	**6,126**	**3,689**	**20.8**	**47.6**	**26.8**
Munitions/Ord	**0**	**11,560**	**11,560**	**0**	**10.7**	**10.7**
Total	N/A	N/A	N/A	**20.8**	**58.3**	**37.5**

[1] This workload is not duplicative of any previously reported workload. Detail all production categorized as "other".

Mission Area

5. Manufacturing Workload

5.1 Identify ordnance manufacturing capabilities of your activity by number of units and Direct Labor Man Hours (DLMHs) that have been executed or are programmed to be performed in the period requested, within each ammunition/ordnance type. Specify all non-ordnance and non-DON workload.

Table 5.1.a: Historic and Predicted Manufacturing Workload

Ordnance Type	Units Throughput							
	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Mines	0	0	0	0	0	0	0	0
Torpedoes	0	0	0	0	0	0	0	0
Air Launched Threat	0	0	0	0	0	0	0	0
Surface Launched Threat	0	0	0	0	0	0	0	0
Other Threat	0	0	0	0	0	0	0	0
Expendables	0	0	0	0	0	0	0	0
INERT	0	0	0	0	0	125	280	340
CADs/PADs	0	0	0	0	0	0	0	0
Strategic Nuclear	0	0	0	0	0	0	0	0
Tactical Nuclear	0	0	0	0	0	0	0	0
LOE: Rockets	0	0	0	0	0	0	0	0
LOE: Bombs	0	0	0	0	0	0	0	0
LOE: Gun Ammo (20mm-16")	0	0	0	0	0	0	0	0
LOE: Small Arms (up to 50 cal.)	0	0	0	0	0	0	0	0
LOE: Pyro/Demo	0	0	0	0	0	0	0	0
Grenades/Mortars/Projectiles	0	0	0	0	0	0	0	0
Other (specify)	0	0	0	0	0	0	0	0

5. Manufacturing Workload, continued

Table 5.1.b: Historic and Predicted Manufacturing Workload

Ordnance Type	Units Throughput							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Mines	0	0	0	0	0	0	0	0
Torpedoes	0	0	0	0	0	0	0	0
Air Launched Threat	0	0	0	0	0	0	0	0
Surface Launched Threat	0	0	0	0	0	0	0	0
Other Threat	0	0	0	0	0	0	0	0
Expendables	0	0	0	0	0	0	0	0
INERT	110	0	0	0	0	0	0	0
CADs/PADs	0	0	0	0	0	0	0	0
Strategic Nuclear	0	0	0	0	0	0	0	0
Tactical Nuclear	0	0	0	0	0	0	0	0
LOE: Rockets	0	0	0	0	0	0	0	0
LOE: Bombs	0	0	0	0	0	0	0	0
LOE: Gun Ammo (20mm-16")	0	0	0	0	0	0	0	0
LOE: Small Arms (up to 50 cal)	0	0	0	0	0	0	0	0
LOE: Pyro/Demo	0	0	0	0	0	0	0	0
Grenades/Mortars/Projectiles	0	0	0	0	0	0	0	0
Other (specify)	0	0	0	0	0	0	0	0

5. Manufacturing Workload, continued

Table 5.1.c: Historic and Predicted Manufacturing Workload

Ordnance Type	DLMHs (In 000's)							
	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Mines	0	0	0	0	0	0	0	0
Torpedoes	0	0	0	0	0	0	0	0
Air Launched Threat	0	0	0	0	0	0	0	0
Surface Launched Threat	0	0	0	0	0	0	0	0
Other Threat	0	0	0	0	0	0	0	0
Expendables	0	0	0	0	0	0	0	0
INERT	0	0	0	0	0	13.0	21.5	15.9
CADs/PADs	0	0	0	0	0	0	0	0
Strategic Nuclear	0	0	0	0	0	0	0	0
Tactical Nuclear	0	0	0	0	0	0	0	0
LOE: Rockets	0	0	0	0	0	0	0	0
LOE: Bombs	0	0	0	0	0	0	0	0
LOE: Gun Ammo (20mm-16")	0	0	0	0	0	0	0	0
LOE: Small Arms (up to 50 cal.)	0	0	0	0	0	0	0	0
LOE: Pyro/Demo	0	0	0	0	0	0	0	0
Grenades/Mortars/Projectiles	0	0	0	0	0	0	0	0
Other (specify)	0	0	0	0	0	0	0	0

5. Manufacturing Workload, continued

Table 5.1.d: Historic and Predicted Manufacturing Workload

Ordnance Type	DLMHs **(In 000's)**							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Mines	0	0	0	0	0	0	0	0
Torpedoes	0	0	0	0	0	0	0	0
Air Launched Threat	0	0	0	0	0	0	0	0
Surface Launched Threat	0	0	0	0	0	0	0	0
Other Threat	0	0	0	0	0	0	0	0
Expendables	0	0	0	0	0	0	0	0
INERT	4.4	0	0	0	0	0	0	0
CADs/PADs	0	0	0	0	0	0	0	0
Strategic Nuclear	0	0	0	0	0	0	0	0
Tactical Nuclear	0	0	0	0	0	0	0	0
LOE: Rockets	0	0	0	0	0	0	0	0
LOE: Bombs	0	0	0	0	0	0	0	0
LOE: Gun Ammo (20mm-16")	0	0	0	0	0	0	0	0
LOE: Small Arms (up to 50 cal.)	0	0	0	0	0	0	0	0
LOE: Pyro/Demo	0	0	0	0	0	0	0	0
Grenades/Mortars/Projectiles	0	0	0	0	0	0	0	0
Other (specify)	0	0	0	0	0	0	0	0

5. Manufacturing Workload, continued

5.2 Assuming (a) the current projected total workload and mix remains as assigned; (b) that sufficient demand is available to justify maximum hiring, optimum procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed: what is the maximum extent to which this activity could expand the manufacturing conducted, based on the current and future planned workload mixes? Please provide your response in the absolute number of units throughput and DLMHs that could be accomplished at this facility. Report depot-level maintenance as a separate line from intermediate and below level maintenance.

Table 5.2.a: Maximum Potential Manufacturing Workload

Ordnance Type	Units Throughput						
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Mines	0	0	0	0	0	0	0
Torpedoes	0	0	0	0	0	0	0
Air Launched Threat	0	0	0	0	0	0	0
Surface Launched Threat	0	0	0	0	0	0	0
Other Threat	0	0	0	0	0	0	0
Expendables	0	0	0	0	0	0	0
INERT	521	521	521	521	521	521	521
CADs/PADs	0	0	0	0	0	0	0
Strategic Nuclear	0	0	0	0	0	0	0
Tactical Nuclear	0	0	0	0	0	0	0
LOE: Rockets	0	0	0	0	0	0	0
LOE: Bombs	0	0	0	0	0	0	0
LOE: Gun Ammo (20mm-16")	0	0	0	0	0	0	0
LOE: Small Arms (up to 50 cal)	0	0	0	0	0	0	0
LOE: Pyro/Demo	0	0	0	0	0	0	0
Grenades/Mortars/Projectiles	0	0	0	0	0	0	0
Other (specify)							

5. Manufacturing Workload, continued

Table 5.2.b: Maximum Potential Manufacturing Workload

Ordnance Type	DLMHs (In 000's)						
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Mines	0	0	0	0	0	0	0
Torpedoes	0	0	0	0	0	0	0
Air Launched Threat	0	0	0	0	0	0	0
Surface Launched Threat	0	0	0	0	0	0	0
Other Threat	0	0	0	0	0	0	0
Expendables	0	0	0	0	0	0	0
INERT	31.5	31.5	31.5	31.5	31.5	31.5	31.5
CADs/PADs	0	0	0	0	0	0	0
Strategic Nuclear	0	0	0	0	0	0	0
Tactical Nuclear	0	0	0	0	0	0	0
LOE: Rockets	0	0	0	0	0	0	0
LOE: Bombs	0	0	0	0	0	0	0
LOE: Gun Ammo (20mm-16")	0	0	0	0	0	0	0
LOE: Small Arms (up to 50 cal)	0	0	0	0	0	0	0
LOE: Pyro/Demo	0	0	0	0	0	0	0
Grenades/Mortars/Projectiles	0	0	0	0	0	0	0
Other (specify)	0	0	0	0	0	0	0

5. Manufacturing Workload, continued

5.3 Provide details of the calculations used to complete Tables 5.2, including assumptions on additional space utilized, major equipment required, production rates, and constraint that limit increased manufacturing workload at this activity.

Manufacturing capabilities based on FY 92 and 93 average of 11 personnel producing 310 units annually, in 2 facilities, could accommodate 8 additional personnel within existing space and require no additional major equipment. Current manufacturing includes, but is not limited to: beams, strongbacks, skids, major containers, and test fixtures. Actual unit capability is determined by the commodity/scope of work requested.

5.4 Table 5.7, on following page, may be used as a worksheet for the following questions. Given an environment unconstrained by funds or manning, what Industrial Plant Equipment (IPE) would you change (add, delete, or modify) to increase your activity's capability to perform manufacturing workload? What other investments in the industrial infrastructure would you make to increase manufacturing capabilities? Describe quantitatively how the changes above would increase your activity's capabilities. What would the associated costs be? What would be the payback period and return on investment?

No major additional equipment required.

5.5 Are there any ultimate and overriding limiting factors to expansion of this activity's manufacturing workload? If so, what are they?

No known limiting factors have been identified.

5.6 Are there any environmental, legal, or otherwise limiting factors that inhibit further the development of ordnance manufacturing at this activity (AICUZ encroachment, pollutant discharge, etc.)?

No known limiting factors have been identified.

5. Manufacturing Workload, continued

5.7 For each weapons manufacturing capability included in section 5.1 above, identify by type of weapon (Captor, Harpoon, Tomahawk, etc.) the production rate per year, and what factors limit that rate, the cost to eliminate those limiting factors, and what increased workload would be realized at that cost. In the space below the Table, please briefly describe the actions, and associated costs, necessary to improve your production rates.

Table 5.7: Manufacturing Production Factors

Ordnance Type	Current Production Rate	Limiting Factor	Cost to Remove ($ K)	New Production Rate
Inert Manufacturing	**521**	**Plant Capacity**	**NA**	**NA**

Mission Area

6. In-Service Engineering Workload

6.1 **Not Applicable**

6.2 **Not Applicable.**

6.3 **Not Applicable.**

6.4 **Not Applicable.**

6.5 **Not Applicable.**

6.6 **Not Applicable.**

6.7 **Not Applicable.**

Mission Area

7. Technical Support

7.1 **Not Applicable.**

7.2 **Not Applicable.**

7.3 **Not Applicable.**

7.4 **Not Applicable.**

7.5 **Not Applicable.**

7.6 **Not Applicable.**

Features and Capabilities

8. Stowage Facilities

8.1 List by facility number each weapon storage facility under the cognizance of this activity. Use separate tables for each location and magazine type, e.g. main base will have a table for igloo facilities and another for box magazines.

- Identify the current rated condition of each facility (Adequate/Inadequate/Substandard), its total square footage and if it is equipped with environmental controls.
- Is this facility currently used for weapons storage? If yes, what type of ordnance, from the commodity types previously listed, is currently stowed here?
- If ordnance is currently stowed in the facility, identify the reason(s) for which this ordnance is stowed at your facility from the following list: 1-own activity use (training); 2-own activity use (operational stock); 3-Receipt/Segregation/Stowage/Issue (RSSI); 4-transshipment/awaiting issue; 5-deep stow (war reserve); 6-awaiting Demil; 7-other. Explain each "other" entry in the space provided, including ordnance stowed which is not a DON asset.

Table 8.1.a: Stowage Facility Conditions

Site/Magazine Type: **WPNSTA Charleston/Smokeless Powder & Projectiles (SP&P)**

Table 8.1.a Facility Number	Condition		Environment Controls (Y / N)	Currently In Use? (Y / N)	Type of Ordnance Stowed	Reason for Stowage
	A / I / S	SF				
0111	A	5,356	N	Y	GUN AMMO	3 & 4
0112	A	5,356	N	Y	GUN AMMO	3 & 4
0113	A	5,356	N	Y	GUN AMMO	3 & 4
0114	A	5,356	N	Y	GUN AMMO	3 & 4
0115	A	5,356	N	Y	GUN AMMO	3 & 4
0118	A	5,356	N	Y	SMALL ARMS	3 & 4
0124	A	5,356	N	Y	GUN AMMO	3 & 4
0125	A	5,356	N	Y	GUN AMMO	3 & 4
0126	A	5,356	N	Y	EXPENDABLE	3 & 4
0128	A	5,356	N	Y	BOMB	3 & 4
0129	A	5,356	N	Y	GUN AMMO	3 & 4
0130	A	5,356	N	Y	GUN AMMO	3 & 4
0131	A	5,356	N	Y	GUN AMMO	3 & 4
0132	A	5,356	N	Y	PROJECTILE	3 & 4
0133	A	5,356	N	Y	GUN AMMO	3 & 4
0134	A	5,356	N	Y	GUN AMMO	3 & 4
0135	A	5,356	N	Y	PROJECTILE	3 & 4

Table 8.1.a Facility Number	Condition ↓		Environment Controls (Y / N)	Currently In Use? (Y / N)	Type of Ordnance Stowed	Reason for Stowage
	A / I / S	SF				
0136	A	5,356	N	Y	GUN AMMO	3 & 4
0137	A	5,356	N	Y	PROJECTILE	3 & 4
0139	A	5,356	N	Y	SMALL ARMS	3 & 4
0140	A	5,356	N	Y	PYRO/DEMO	3 & 4
0142	A	5,356	N	Y	BOMB	3 & 4
0145	A	5,356	N	Y	A.L. THREAT	3 & 4
0147	A	5,356	N	Y	PROJECTILE	3 & 4
0148	A	5,356	N	Y	S.L. THREAT	3 & 4
0157	A	5,356	N	Y	S.L. THREAT	3 & 4
0192	A	5,390	N	Y	A.L. THREAT	3 & 4
0193	A	5,390	N	Y	S.L. THREAT	3 & 4
0194	A	5,390	N	Y	TORPEDO	3 & 4
0211	A	2,106	N	Y	PROJECTILE	3 & 4
0212	A	2,106	N	Y	PROJECTILE	3 & 4
0217	A	2,106	N	Y	PROJECTILE	3 & 4
0218	A	2,106	N	Y	PROJECTILE	3 & 4
0219	A	2,106	N	Y	PROJECTILE	3 & 4
0220	A	2,106	N	Y	PROJECTILE	3 & 4
0221	A	1,404	N	Y	TORPEDO	3 & 4
0223	A	1,404	N	Y	PROJECTILE	3 & 4
0224	A	1,404	N	Y	PROJECTILE	3 & 4
0233	A	2,106	N	Y	BOMB	3 & 4
0235	A	2,268	N	Y	BOMB	3 & 4
0237	A	2,268	N	Y	BOMB	3 & 4
0238	A	2,106	N	Y	PROJECTILE	3 & 4
0239	A	2,268	N	Y	BOMB	3 & 4
0240	A	2,268	N	Y	PROJECTILE	3 & 4
0249	A	2,268	N	Y	PROJECTILE	3 & 4
0250	A	2,268	N	Y	PROJECTILE	3 & 4
0253	A	2,268	N	Y	PROJECTILE	3 & 4
0262	A	2,106	N	Y	DEMO	3 & 4

Table 8.1.a Facility Number	Condition		Environment Controls (Y / N)	Currently In Use? (Y / N)	Type of Ordnance Stowed	Reason for Stowage
	A / I / S	SF				
0264	A	2,106	N	Y	GUN AMMO	3 & 4
0270	A	2,106	N	Y	DEMO	3 & 4
3AC15	A	2,378	Y	*	*	7
3AC16	A	2,378	Y	*	*	7
3AC18	A	2,378	Y	*	*	7
10XC60	A	4,712	Y	*	*	7
13A870	A	2,739	Y	*	*	7
13A871	A	2,739	Y	*	*	7
3AC892	A	4,680	Y	*	*	7
3AC893	A	4,680	Y	*	*	7

Table 8.1.b: Stowage Facility Conditions

Site/Magazine Type: **WPNSTA Charleston/Small Arms & Pyro**

Table 8.1.b Facility Number	Condition		Environment Controls (Y / N)	Currently In Use? (Y / N)	Type of Ordnance Stowed	Reason for Stowage
	A / I / S	SF				
0102	A	1,404	N	Y	EXPENDABLE	3 & 4
0103	A	1,404	N	Y	PYRO	3 & 4
0104	A	1,404	N	Y	EXPENDABLE	3 & 4
0105	A	1,404	N	Y	GRENADE	3 & 4
0119	A	5,356	N	Y	PYRO/DEMO	6
0120	A	5,356	N	Y	PYRO/DEMO	3 & 4
0121	A	5,356	N	Y	GUN AMMO	3 & 4
0122	A	5,356	N	Y	PYRO/DEMO	3 & 4
0123	A	5,356	N	Y	PYRO/DEMO	3 & 4
0127	A	5,356	N	Y	PROJECTILE	3 & 4
0138	A	5,356	N	Y	PROJECTILE	3 & 4
0149	A	5,356	N	Y	TORPEDO	3 & 4
0152	A	5,356	N	Y	S. L. THREAT	3 & 4
0158	A	5,356	N	Y	BOMB	3 & 4
0159	A	5,356	N	Y	BOMB	3 & 4
0216	A	2,106	N	Y	EXPENDABLE	3 & 4
0222	A	1,404	N	Y	EXPENDABLE	3 & 4
0227	A	1,536	N	Y	SMALL ARMS	6
0245	A	2,268	N	Y	BOMB	3 & 4
0256	A	2,268	N	Y	EXPENDABLE	3 & 4
0401	A	180	N	Y	EXPENDABLE	3 & 4
0412	A	180	N	Y		
0415	A	180	N	Y	EXPENDABLE	3 & 4
0416	A	180	N	Y	EXPENDABLE	3 & 4
0423	A	180	N	Y		
0425	A	180	N	Y		
0847	A	192	N	Y	SMALL ARMS	2

Table 8.1.c: Stowage Facility Conditions

Site/Magazine Type: **WPNSTA Charleston/F&D**

Table 8.1.c Facility Number	Condition		Environment Controls (Y / N)	Currently In Use? (Y / N)	Type of Ordnance Stowed	Reason for Stowage
	A / I / S	SF				
0116	A	5,356	N	Y	GUN AMMO	3 & 4
0117	A	5,356	N	Y	SMALL ARMS	3 & 4
0226	A	1,404	N	Y	GUN AMMO	6
0231	A	2,106	N	Y	BOMB	3 & 4
0232	A	2,106	N	Y	BOMB	3 & 4
0260	A	2,106	N	Y	BOMB	3 & 4
0402	A	180	N	N		
0411	A	180	N	N		
0413	A	180	N	Y	EXPENDABLE	3 & 4
0414	A	180	N	N		
0417	A	180	N	Y	EXPENDABLE	3 & 4
0421	A	180	N	N		
0422	A	180	N	N		
0424	A	180	N	N		
0426	A	180	N	N		
0427	A	180	N	Y	EXPENDABLE	6
0428	A	180	N	N		
0931	A	1,352	N	Y	EXPENDABLE	6

Table 8.1.d: Stowage Facility Conditions

Site/Magazine Type: **WPNSTA Charleston/High Explosive Mag**

Table 8.1.d Facility Number	Condition		Environment Controls (Y / N)	Currently In Use? (Y / N)	Type of Ordnance Stowed	Reason for Stowage
	A / I / S	SF				
0003	A	5,432	N	Y	S.L. THREAT	3 & 4
0110	A	3,888	N	Y	TORPEDO	3 & 4
0141	A	5,356	N	Y	BOMB	3 & 4
0143	A	5,356	N	Y	PROJECTILE	3 & 4
0144	A	5,356	N	Y	BOMB	3 & 4
0146	A	5,356	N	Y	TORPEDO	3 & 4
0153	A	5,356	N	Y	PROJECTILE	3 & 4
0160	A	5,356	N	Y	S.L. THREAT	3 & 4
0213	A	2,106	N	Y	S.L. THREAT	3 & 4
0214	A	2,106	N	Y	S.L. THREAT	3 & 4
0215	A	2,106	N	Y	BOMB	3 & 4
0225	A	1,404	N	Y	PROJECTILE	3 & 4
0234	A	2,187	N	Y	BOMB	3 & 4
0236	A	2,187	N	Y	BOMB	3 & 4
0241	A	2,187	N	Y	BOMB	3 & 4
0242	A	2,268	N	Y	BOMB	3 & 4
0243	A	2,187	N	Y	BOMB	3 & 4
0244	A	2,187	N	Y	BOMB	3 & 4
0246	A	2,187	N	Y	PROJECTILE	3 & 4
0247	A	2,187	N	Y	BOMB	3 & 4
0248	A	2,187	N	Y	BOMB	3 & 4
0251	A	2,187	N	Y	DEMO	3 & 4
0252	A	2,106	N	Y	GUN AMMO	3 & 4
0254	A	2,187	N	Y	BOMB	3 & 4
0255	A	2,268	N	Y	BOMB	3 & 4
0257	A	2,187	N	Y	CADS/PADS	3 & 4
0258	A	2,187	N	Y	CADS/PADS	3 & 4
0259	A	2,187	N	Y	GRENADES	3 & 4

0261	A	2,106	N	Y	GRENADES	3 & 4
0263	A	2,106	N	Y	DEMO	3 & 4
0265	A	2,106	N	Y	DEMO	3 & 4
0266	A	2,106	N	Y	DEMO	3 & 4
0267	A	2,106	N	Y	DEMO	1
0268	A	2,106	N	Y	DEMO	3 & 4
0269	A	2,106	N	Y	GRENADES	3 & 4
2320	A	8,036	N	Y	S.L. THREAT	3 & 4

Table 8.1.e: Stowage Facility Conditions ((R

Site/Magazine Type: **WPNSTA Charleston/Weapons Mags**

Table 8.1.e Facility Number	Condition		Environment Controls (Y / N)	Currently In Use? (Y / N)	Type of Ordnance Stowed	Reason for Stowage
	A / I / S	SF				
3AC17	A	2,378	Y	*	*	7
3AC20	A	2,378	Y	*	*	7
4AC21	A	2,378	Y	*	*	7
4AC22	A	2,378	Y	*	*	7
5AC26	A	2,378	Y	*	*	7
5AC27	A	2,378	Y	*	*	7
5AC28	A	2,378	Y	*	*	7
6AC33	A	2,378	Y	*	*	7
6AC34	A	2,378	Y	*	*	7
7AC39	A	3,936	Y	*	*	7
7AC40	A	4,018	Y	*	*	7
7AC41	A	4,018	Y	*	*	7
7AC42	A	4,018	Y	*	*	7
7AC43	A	4,018	Y	*	*	7
7AC44	A	4,018	Y	*	*	7
8AC45	A	4,018	Y	*	*	7
8AC46	A	4,018	Y	*	*	7
8AC47	A	4,018	Y	*	*	7
8AC48	A	4,018	Y	*	*	7
8AC49	A	3,936	Y	*	*	7
8AC50	A	3,936	Y	*	*	7
0453	A	7,975	Y	Y	EXPENDABLE	3 & 4
0866	A	2,688	Y	Y	EXPENDABLE	3 & 4

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Table 8.1.f: Stowage Facility Conditions

Site/Magazine Type: **WPNSTA Charleston/Missile Mag.**

Table 8.1.f Facility Number	Condition ↓		Environment Controls (Y / N)	Currently In Use? (Y / N)	Type of Ordnance Stowed	Reason for Stowage
	A / I / S	SF				
1AC1	A	2,378	Y	*	*	7
1AC2	A	2,378	Y	*	*	7
1AC3	A	2,378	Y	*	*	7
1AC4	A	2,378	Y	*	*	7
1AC5	A	2,378	Y	*	*	7
1AC6	A	2,378	Y	*	*	7
1AC7	A	2,378	Y	*	*	7
2AC8	A	2,378	Y	*	*	7
2AC9	A	2,378	Y	*	*	7
2AC10	A	2,378	Y	*	*	7
2AC11	A	2,378	Y	*	*	7
2AC12	A	2,378	Y	*	*	7
2AC13	A	2,378	Y	*	*	7
2AC14	A	2,378	Y	*	*	7
3AC19	A	2,378	Y	*	*	7
4AC23	A	2,378	Y	*	*	7
4AC24	A	2,378	Y	*	*	7
4AC25	A	2,378	Y	*	*	7
5AC29	A	2,378	Y	*	*	7
5AC30	A	2,378	Y	*	*	7
5AC31	A	2,378	Y	*	*	7
5AC32	A	2,378	Y	*	*	7
6AC35	A	2,378	Y	*	*	7
6AC36	A	2,378	Y	*	*	7
6AC37	A	2,378	Y	*	*	7
6AC38	A	2,378	Y	*	*	7
9XC51	A	4,712	Y	*	*	7
9XC52	A	4,712	Y	*	*	7
9XC53	A	4,712	Y	*	*	7
9XC54	A	4,712	Y	*	*	7
9XC55	A	4,712	Y	*	*	7
10XC56	A	4,876	Y	*	*	7

Table 8.1.f Facility Number	Condition ↓		Environment Controls (Y / N)	Currently In Use? (Y / N)	Type of Ordnance Stowed	Reason for Stowage
	A / I / S	SF				
10XC57	A	4,712	Y	*	*	7
10XC58	A	4,712	Y	*	*	7
10XC59	A	4,712	Y	*	*	7
11XC61	A	4,876	Y	*	*	7
11XC62	A	4,876	Y	*	*	7
11XC63	A	4,876	Y	*	*	7
0106	A	4,748	Y	Y	S.L. THREAT	3 & 4
0107	A	4,636	Y	Y	S.L. THREAT	3 & 4
0108	A	4,748	Y	Y	S.L. THREAT	3 & 4
0109	A	4,748	Y	Y	S.L. THREAT	3 & 4
0150	A	5,356	N	Y	BOMB	3 & 4
0151	A	5,356	N	Y	S.L. THREAT	3 & 4
0154	A	5,356	N	Y	S.L. THREAT	3 & 4
0155	A	5,356	N	Y	A.L. THREAT	3 & 4
0156	A	5,356	N	Y	ROCKET	3 & 4
0282	A	8,100	N	Y	OTH THREAT	3 & 4
0283	A	8,100	N	Y	S.L. THREAT	3 & 4
0441	A	8,000	N	Y	S.L. THREAT	3 & 4
5A352	A	2,106	Y	*	*	7
5A357	A	2,106	Y	*	*	7
3A368	A	2,158	Y	*	*	7
3A369	A	2,158	Y	*	*	7
5A372	A	2,106	Y	*	*	7
5A374	A	2,106	Y	*	*	7
15A382	A	2,538	Y	*	*	7
15A388	A	2,538	Y	*	*	7
12A800	A	3,895	Y	*	*	7
12A801	A	3,895	Y	*	*	7
12A802	A	3,895	Y	*	*	7
12A803	A	3,895	Y	*	*	7
12A804	A	3,895	Y	*	*	7
0845	A	1,250	N	Y	OTH THREAT	3 & 4
0846	A	1,250	N	Y	OTH THREAT	3 & 4

Table 8.1.f Facility Number	Condition		Environment Controls (Y / N)	Currently In Use? (Y / N)	Type of Ordnance Stowed	Reason for Stowage
	A / I / S	SF				
0846	A	1,250	N	Y	OTH THREAT	3 & 4
13A872	A	2,739	Y	*	*	7
13A873	A	2,739	Y	*	*	7
13A874	A	2,739	Y	*	*	7
14A875	A	2,739	Y	*	*	7
14A876	A	2,739	Y	*	*	7
14A877	A	2,739	Y	*	*	7
14A878	A	2,739	Y	*	*	7
14A879	A	2,739	Y	*	*	7
14A880	A	2,739	Y	*	*	7
15A881	A	2,739	Y	*	*	7
15A882	A	2,739	Y	*	*	7
15A883	A	2,739	Y	*	*	7
15A884	A	2,739	Y	*	*	7
15A885	A	2,739	Y	*	*	7
15A886	A	2,739	Y	*	*	7
15A887	A	2,739	Y	*	*	7
15A888	A	2,739	Y	*	*	7
15A889	A	2,739	Y	*	*	7
15A890	A	2,739	Y	*	*	7
15A891	A	2,739	Y	*	*	7
11XC894	A	2,739	Y	*	*	7
11XC895	A	2,739	Y	*	*	7
11XC896	A	2,739	Y	*	*	7

*** One hundred three magazines will be added to WPNSTA Charleston's plant account between 1995 and 2000. These magazines are currently used by the Polaris Missile Facility Atlantic (POMFLANT) which is a tenant scheduled for closure in 1995. The magazines will be turned over to WPNSTA Charleston during 1997 (best case) or 2000 (worst case). These magazines are environmentally controlled and all are connected to an intruder detection system. The entire area is surrounded with double fencing and perimeter lighting. Exact loading of each magazine is not available at this time and they are identified with a '7' in the "Reason for Stowage" column.**

Table 8.1.f Facility Number	Condition		Environment Controls (Y / N)	Currently In Use? (Y / N)	Type of Ordnance Stowed	Reason for Stowage
	A / I / S	SF				
13A872	A	2,739	Y	*	*	7
13A873	A	2,739	Y	*	*	7
13A874	A	2,739	Y	*	*	7
14A875	A	2,739	Y	*	*	7
14A876	A	2,739	Y	*	*	7
14A877	A	2,739	Y	*	*	7
14A878	A	2,739	Y	*	*	7
14A879	A	2,739	Y	*	*	7
14A880	A	2,739	Y	*	*	7
15A881	A	2,739	Y	*	*	7
15A882	A	2,739	Y	*	*	7
15A883	A	2,739	Y	*	*	7
15A884	A	2,739	Y	*	*	7
15A885	A	2,739	Y	*	*	7
15A886	A	2,739	Y	*	*	7
15A887	A	2,739	Y	*	*	7
15A888	A	2,739	Y	*	*	7
15A889	A	2,739	Y	*	*	7
15A890	A	2,739	Y	*	*	7
15A891	A	2,739	Y	*	*	7
11XC894	A	2,739	Y	*	*	7
11XC895	A	2,739	Y	*	*	7
11XC896	A	2,739	Y	*	*	7

*** One hundred three magazines will be added to WPNSTA Charleston's plant account between 1995 and 2000. These magazines are currently used by the Polaris Missile Facility Atlantic (POMFLANT) which is a tenant scheduled for closure in 1995. The magazines will be turned over to WPNSTA Charleston during 1997 (best case) or 2000 (worst case). These magazines are environmentally controlled and all are connected to an intruder detection system. The entire area is surrounded with double fencing and perimeter lighting. Exact loading of each magazine is not available at this time.**

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8. Stowage Facilities, continued

8.2 Summarize the magazine characteristics reported in the Tables above (section 8.1) magazines. Table 8.2.a summarizes by location: list the total number of magazines for each type of magazine (e.g. igloo, box) at each location. Table 8.2.b summarizes by magazine type, across all locations.

Table 8.2.a: Facility Stowage Summary (R

Site: **WPNSTA Charleston & POMFLANT * Magazines**

Type of Magazine	Total This Type	Square Footage (Per P-164)			
		Adequate	Substandard	Inadequate	Total
SP&P	**50**	**198,680**	**0**	**0**	**198,680**
SP&P *	**8**	**26,684**	**0**	**0**	**26,684**
Sm Arms & Pyro	**27**	**75,386**	**0**	**0**	**75,386**
F&D	**18**	**21,766**	**0**	**0**	**21,766**
High Exp.	**36**	**106,948**	**0**	**0**	**106,948**
Wpns. Mags.	**2**	**10,663**	**0**	**0**	**10,663**
Wpns Mags *	**21**	**69,372**	**0**	**0**	**69,372**
Msl. Mags	**14**	**72,360**	**0**	**0**	**72,360**
Msl. Mags *	**74**	**219,141**	**0**	**0**	**219,141**
	Total:	**801,000**	**0**	**0**	**801,000**

Table 8.2.b: Facility Stowage Summary

Type Magazine: **See Table 8.2a (All Magazines located one site*)**

Location	Total # Magazines	Square Footage			
		Adequate	Substandard	Inadequate	Total
WPNSTA Charleston	**147**	**485,803**	**0**	**0**	**485,803**
POMFLANT	**103**	**315,197**	**0**	**0**	**315,197**
	Total:	**801,000**	**0**	**0**	**801,000**

*** NOTE: One hundred three magazines are currently controlled by POMFLANT, a tenant scheduled for closure in 1995. The magazines will be turned over to WPNSTA Charleston during 1997 (best case) or 2000 (worst case). The magazines are environmentally controlled, connected to an IDS, and the area is surrounded by double fencing and perimeter lighting.** (R

8. Stowage Facilities, continued

8.3 In accordance with NAVFACINST 11010.44E, an inadequate facility cannot be made adequate for its present use through "economically justifiable means". For all the facilities in section 8.1 and 8.2 above where inadequate facilities are identified, provide the following information:

a. Facility type/code:
b. What makes it inadequate?
c. What use is being made of the facility?
d. What is the cost to upgrade the facility to substandard?
e. What other use could be made of the facility and at what cost?
f. Current improvement plans and programmed funding:
g. Has this facility condition resulted in C3 or C4 designation on your BASEREP?

All WPNSTA Charleston explosive storage facilities are rated adequate.

8.4 For all facilities identified in the Tables of 8.1 as currently not in use for ordnance stowage, provide a brief explanation of its current use and identify its primary usage, if different.

All WPNSTA Charleston explosive storage facilities are used for ordnance storage.

8.5 If the facilities identified in Table 8.1 are distributed over a noncontiguous area (e.g. one or more Annexes, special areas, etc.), list by location all identified holdings. For any holdings detached from the main base, identify the distance from the primary activity.

Table 8.5: Facility Locations

Site (Full Title and location)	Distance
All storage facilities are located on WPNSTA Charleston.	**N/A**

Features and Capabilities

9. Other Facilities

9.1 Identify by facility number, giving condition code and total area, all those facilities under your cognizance utilized to perform the following functions: Intermediate and Depot level Maintenance (IM; DM) and Testing (T); Manufacturing (Mftg); In-Service Engineering (ISE); or Technical Support (TS) services.

Table 9.1: Condition of Other Facilities

Facility Number	Function	Condition (KSF)			Total
		Adequate	Substandard	Inadequate	
47	**IM**	**1.3**	**0**	**0**	**1.3**
58	**DM**	**8.3**	**0**	**0**	**8.3**
65	**Mfgt & DM**	**10.0**	**0**	**0**	**10.0**
74	**DM & Mfgt**	**10.3**	**0**	**0**	**10.3**
75	**DM**	**6.5**	**0**	**0**	**6.5**
79	**IM**	**10.3**	**0**	**0**	**10.3**
88	**IM**	**10.4**	**0**	**0**	**10.4**
91	**IM & T**	**6.1**	**0**	**0**	**6.1**
93	**DM**	**16.6**	**0**	**0**	**16.6**
94	**IM**	**6.6**	**0**	**0**	**6.6**
274	**IM**	**66.0**	**0**	**0**	**66.0**
292	**IM**	**250.0**	**0**	**0**	**250.0**
296	**DM & Mfgt**	**7.5**	**0**	**0**	**7.5**
419	**IM & DM**	**11.0**	**0**	**0**	**11.0**

9.2 In accordance with NAVFACINST 11010.44E, an inadequate facility cannot be made adequate for its present use through "economically justifiable means". For all the facilities in section 9.1 above where inadequate facilities are identified, provide the following information:

a. Facility type/code:
b. What makes it inadequate?
c. What use is being made of the facility?
d. What is the cost to upgrade the facility to substandard?
e. What other use could be made of the facility and at what cost?
f. Current improvement plans and programmed funding:
g. Has this facility condition resulted in C3 or C4 designation on your BASEREP?

All facilities identified Table 9-1 are rated adequate.

9.3 An activity's expansion capability includes its ability to reconfigure / rehab existing underutilized facilities to accept new or increased requirements. Identify in the Table below the space available for expansion, by building type and facility number.

Table 9.3: Space Available for Expansion

Building Type	Facility Number	Installation Space (KSF)			Total KSF
		Adequate	Substandard	Inadequate	
Maint/Test	**79**	**10.3**	**0**	**0**	**10.3**
Maint/Test	**92**	**33.8**	**0**	**0**	**33.8**
Maint/Test	**850**	**14.7**	**0**	**0**	**14.7**
Maint/Test	**930**	**31.5**	**0**	**0**	**31.5**

Features and Capabilities

10. Workforce

10.1 Identify in Direct Labor Man Hours the workforce employed at your activity (all locations) for the period requested. Use the conversion standard of 1615 DLMHs per Work Year. Provide the Conversion Factor employed for computing DLMHs to DLMYs.

Conversion rate = **1615** DLMHs/DLMY

Table 10.1.a: Non-Military Personnel

	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Direct Labor	*	*	**893,209**	**928,652**	**1,066,773**	**1,050,672**	**1,103,794**	**934,713**
Overhead	*	*	**817,726**	**806,575**	**736,178**	**766,235**	**790,401**	**791,721**
Total	*	*	**1,710,935**	**1,735,227**	**1,802,951**	**1,816,907**	**1,894,195**	**1,726,434**

Table 10.1.b: Non-Military Personnel

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Direct Labor	**852,250**	**735,000**	**885,500**	**927,500**	**	**	**	**
Overhead	**693,000**	**455,000**	**455,000**	**455,000**	**	**	**	**
Total	**1,545,250**	**1,190,000**	**1,340,500**	**1,382,500**	**	**	**	**

*** Data not available.**

**** Biennial Financial Management Budget (BFMB) does not extend beyond FY 1997. No data currently available.**

Data Source: **FY 89 to FY 93 local BUD 002 report, FY 94 - 97 BFMB submit of NOCLANT.**

10. Workforce, continued

Table 10.1.c: Military Personnel

	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Direct Labor	*	*	*	*	**38,760**	**33,915**	**33,915**	**12,920**
Overhead	*	*	*	*	**159,885**	**243,865**	**206,720**	**198,645**
Total	*	*	*	*	**198,645**	**277,780**	**240,635**	**211,565**

Table 10.1.d: Military Personnel

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Direct Labor	**14,011**	**7,739**	**7,838**	**7,811**	*	*	*	*
Overhead	**110,344**	**113,386**	**74,527**	**74,554**	*	*	*	*
Total	**124,355**	**121,125**	**82,365**	**82,365**	*	*	*	*

*** Data Not Available**

Features and Capabilities, continued

11. Contractor Presence

11.1 If your activity provides space within your facilities for a contractor workforce, please list the facilities so provided. Identify the facility number, amount of space provided (KSF), name(s) of the contractor(s) supported (company), number of contractor personnel resident in your spaces, and function(s) performed by these contractors.

Table 11.1: Facilities for Contractor Support

Facility Number	(KSF)	Contractor(s)	# Personnel	Contractor Function(s)
*** Open Land**	**30**	**Day & Zimmerman**	**100**	**Housing Maint.**
*** Open Land**	**23**	**American Lawn**	**18**	**Grounds maint.**
*** Open Land**	**19**	**WML, INC**	**30**	**Grounds maint.**
*** Open Land**	**8**	**Arcada Chemical**	**43**	**Custodial services**
*** Open Land**	**19**	**Beneco, INC**	**3**	**Job order contract**
274	**.1**	**Hughes Aircraft Co.**	**1**	**MK 612 Test Set Maintenance**

Additional Comments: *** Mobile contractor facilities are in fenced compounds located on government property.**

Data Source: **Code 098 called all contractors.**

Features and Capabilities, continued
12. Berthing Capability

12.1 Identify the age and structural characteristics for each pier and wharf at your facility or under your cognizance by NAVFAC P-80 Category Code Number (CCN), and dimensions as requested. If unable to maintain the stated design dredge depth, provide explanatory comment following the Table. Identify water distance between adjacent piers, in lieu of slip width, where appropriate. Indicate if the pier is inside a Controlled Industrial Area or High Security Area and the Net Explosive Weight (NEW) ESQD limits, if applicable. Identify any additional controls required in the space following this Table. Identify the average number of days per year over the last eight years (the period FY 1987-1994) that the pier or wharf was out of service (OOS) for maintenance (including dredging of the associated slip).

Table 12.1: Pier and Wharf Characteristics

Pier or Wharf	Age	CCN	Moor Length (FT)	Design Dredge Depth (FT)(MLLW)	Slip Width (FT)	Pier Width (FT)	CIA / Security Area? (Y / N)	ESQD NEW Limit	Average Annual Days OOS
Alpha	**26**	**152-10**	**1000**	**37**	**unlimited**	**75**	**yes**	**1.0m**	**2**
Bravo	**40**	**151-10**	**1494**	**37**	**unlimited**	**51**	**yes**	**1.95m**	**2**
Charlie	**30**	**151-20**	**160**	**37**	**unlimited**	**101**	**yes**	**1.5m**	**2**
T. C.	**51**	**152-20**	**1530**	**37**	**unlimited**	**46**	**yes**	**1,371 lbs**	**2**
Main	**6**	**155-21**	**490**	**15**	**unlimited**	**33**	**yes**	**none**	**2**
Boathouse	**6**	**155-21**	**650**	**15**	**24**	**13**	**yes**	**none**	**2**
S. 2312	**2**	**151-20**	**535**	**37**	**unlimited**	**35**	**yes**	**none**	**2**
N. 420	**6**	**151-20**	**930**	**37**	**unlimited**	**25**	**yes**	**none**	**2**

Data Source: **WPNSTA as-built/contract drawings.**

Features and Capabilities, continued

12. Berthing Capability

12.1 Identify the age and structural characteristics for each pier and wharf at your facility or under your cognizance by NAVFAC P-80 Category Code Number (CCN), and dimensions as requested. If unable to maintain the stated design dredge depth, provide explanatory comment following the Table. Identify water distance between adjacent piers, in lieu of slip width, where appropriate. Indicate if the pier is inside a Controlled Industrial Area or High Security Area and the Net Explosive Weight (NEW) ESQD limits, if applicable. Identify any additional controls required in the space following this Table. Identify the average number of days per year over the last eight years (the period FY 1987-1994) that the pier or wharf was out of service (OOS) for maintenance (including dredging of the associated slip).

Table 12.1: Pier and Wharf Characteristics

Pier or Wharf	Age	CCN	Moor Length (FT)	Design Dredge Depth (FT)(MLLW)	Slip Width (FT)	Pier Width (FT)	CIA / Security Area? (Y / N)	ESQD NEW Limit	Average Annual Days OOS
Alpha	**26**	**152-10**	**1000**	**37**	**unlimited**	**75**	**yes**	**1.0m**	**2**
Bravo	**40**	**151-10**	**1494**	**37**	**unlimited**	**51**	**yes**	**1.95m**	**2**
Charlie	**30**	**151-20**	**160**	**37**	**unlimited**	**101**	**yes**	**1.5m**	**2**
T. C.	**51**	**152-20**	**1530**	**37**	**unlimited**	**46**	**yes**	**.00121m**	**2**
Main	**6**	**155-21**	**490**	**15**	**unlimited**	**33**	**yes**	**none**	**2**
Boathouse	**6**	**155-21**	**650**	**15**	**24**	**13**	**yes**	**none**	**2**
S. 2312	**2**	**151-20**	**535**	**37**	**unlimited**	**35**	**yes**	**none**	**2**
N. 420	**6**	**151-20**	**930**	**37**	**unlimited**	**25**	**yes**	**none**	**2**

Data Source: **WPNSTA as-built/contract drawings.**

12. Berthing Capability, continued

12.2 Identify all MILCON improvements executed in the period FY 1986-1994 for each pier or wharf identified in Table 12.1

Table 12.2: Pier and Wharf MILCON

Pier or Wharf	Year MILCON Executed	Nature of Improvement
Structure 420	**1987**	**Lengthen pier, utility upgrades**
Structure 2312	**1992-93**	**New pier**

NOTE: Structure 420 is Pier X-ray which was upgraded to accommodate the Nuclear Power Training Unit (NPTU). Structure 2312 is an add-on to Pier X-ray to accommodate an expansion of NPTU.

Data Source: **WPNSTA built/contract drawings.**

12.3 List all ESQD waivers currently in effect, with expiration dates, for all applicable piers and wharves identified in Table 12.1.

Table 12.3: ESQD Waivers In Effect

Pier or Wharf	Nature of Waiver	Date Waiver Expires
NQ WAIVERS EXIST OR ARE REQUIRED TO SUPPORT WPNSTA CHARLESTON'S ESQD ARCS		

12. Berthing Capability, continued

12.4 For all piers and wharves at your facility or under your cognizance, indicate which, if any, are RO/RO and/or aircraft accessible, and conditions which apply.

Table 12.4: Pier and Wharf Access

Pier or Wharf	RO/RO Access?	Aircraft Access?
Wharf A	**Yes**	**Yes**
Pier B	**No**	**Yes ***
Pier C	**No**	**No ***
Transportation Corps (TC) Dock	**Yes**	**No**

*** A helicopter landing site is located between Pier B and C.**

12.5 How much pier space is required to berth and support ancillary craft (tugs, barges, floating cranes, etc.) currently at your facility? Indicate if certain piers are uniquely suited to support these craft.

None required at this time; however, see statement at question 12.8 relative to unique capability to support ancillary craft.

12. Berthing Capability, continued

12.6 Identify the ship support characteristics for each Pier and Wharf under your activity's cognizance. Indicate if the pier or wharf is listed in OPNAVINST 3000.8. For Compressed Air and Oily Waste disposal, list only permanently installed facilities. For steam, indicate below the Table if any piers or wharves provide certified steam. If any permanent fendering arrangement limits apply, identify them in the space following the Table.

Table 12.6: Pier and Wharf Ship Support Characteristics

Pier/ Wharf	NPW Berth? (Y / N)	KVA		Comp. Air Pressure & Max Capability	Potable Water (GPD)	CHT (GPD)	Oily Waste (GPD) *	Steam (LBM/HR & PSI)	Fendering Limits (Y/N)
		Shore Power	13,800 V Primary 480 V Secondary						
	Include answer in separate Annex								
Alpha		x	3,000 KVA		1.13 M	904 K	none	none	y
Bravo		x	5,000 KVA		1.49 M	1,192 K	none	21,000/ 80 psi	y
Charlie		x	7,500 KVA		1.42 M	1,136 K	none	28,500/ 80 psi	y
T. C.			0			0	none	none	y
Main			0			0	none	none	y
Boathouse			0			0	none	none	n
S. 2312		x	6,500 KVA		1.86 M	1,488 K	none	none	y
N. 420		x	6,500 KVA		1.86 M	1,488 K	none	none	y

Additional comments: *** WPNSTA Charleston has three 5,000 gallon tanker trucks & one 7,000 gallon tanker truck to collect waste and transport to disposal.**

Data Source: **WPNSTA Public Works drawings, contract documents.**

12. Berthing Capability, continued

12.7 For each pier and wharf listed above, state today's normal loading by ship class with current facility ship loading, the maximum berthing, maximum berthing for weapons handling evolutions, and maximum berthing to conduct maintenance. For ordnance handling capability, identify the maximum number of ships that can be moored at each pier or wharf to conduct ordnance handling evolutions, without necessitating berth shifts. Incorporate all applicable safety, ESQD, and access limitations. Include comments below the Table if necessary. For berthing in support of maintenance, list the maximum number of ships that can be serviced in maintenance availabilities at each pier or wharf without necessitating berth shifts to accommodate crane, laydown or access limitations. Provide any additional comments in the space following the Table.

Table 12.7: Pier and Wharf Normal Loading

Pier or Wharf	Typical Steady State Loading	Maximum Ship Berthing	Ordnance Handling Pierside?	Perform Maintenance Pierside?
Wharf A	**See Note 1**	**2**	**2**	**2***
Pier B	**See Note 1**	**2**	**2**	**2***
Transportation Corps (TC) Dock	**See Note 2**	**2**	**No**	**2***

Note 1: Either facility may berth any combination of AE's, Combatants, or Submarines when that combination does not exceed the N.E.W. reported on Table 12.1 for that berth. Wharf A and the TC Dock support RORO ships.

Note 2: TC Dock is used to load general cargo, mechanized equipment, POV's for service members stationed over seas, and other non-explosive cargo. Handles RORO ships.

*** Maintenance may be performed at all piers and wharfs; however, maintenance operations are restricted at sites when ordnance loading is being performed. Pier B can support cold iron maintenance evolutions.**

12. Berthing Capability, continued

12.8 How much pier space is required to berth and support ancillary craft (tugs, barges, floating cranes, etc.) currently at your facility? Indicate if certain piers are uniquely suited to support these craft.

Capability exists to berth and support tugs, barges, and floating cranes at finger piers and dolphins adjacent to the Transportation Dock. Berthing these units would not impact any explosive out-load operations. (R

12.9 What is the average pier loading in ships per day due to visiting ships at your facility/piers or wharves under your cognizance? Indicate if this varies significantly by season.

One per day. No seasonal variance.

12.10 Given no funding or manning limits, what modifications or improvements would you make to the waterfront infrastructure to increase the cold iron ship berthing capability of your installation/under your cognizance. Provide a description, cost estimates, and additional capability gained.

Cold iron ship berthing currently available at Piers B and C. Installation of a steam system on Wharf A would increase cold iron capability by two ships, at an estimated cost of $595,000.

Another infrastructure investment to increase our activity's cold iron berthing capability is to replace Pier C with a Drive On/Drive Off Wharf which would permit a total of two ships to be serviced simultaneously. Actual cost and payback information is unknown. (R +

12.11 Describe any unique limits or enhancements on the berthing of ships at specific piers or wharves under your cognizance.

No known limitations have been identified.

Features and Capabilities, continued

R

13. Physical Space for Industrial Support

13.1 Identify in the table below the real estate resources which have the potential to facilitate future development and for which you are the plant account holder or into which, though a tenant, your activity could reasonably expect to expand. Complete a separate table for each individual site, i.e., main base, outlying airfields, special off-site areas, etc. The unit of measure is acres. Developed area is defined as land currently with buildings, roads, and utilities where further development is not possible without demolition of existing improvements. Include in "Restricted" areas that are restricted for future development due to environmental constraints (e.g. wetlands, landfills, archaeological sites), operational restrictions (e.g. ESQD arcs, HERO, HERP, HERF, AICUZ, ranges) or cultural resources restrictions. Identify the reason for the restriction when providing the acreage in the table. Specify any entry in "Other" (e.g. submerged lands).

Table 13.1: Real Estate Resources

Site Location: **WPNSTA Charleston**

Land Use	Total Acres	Developed Acreage	Available for Development	
			Restricted	Unrestricted
Maintenance	0	N/A	N/A	N/A
Operational	9,905	8,419	1,486	0
Training	12	12	0	0
R & D	0	N/A	N/A	N/A
Supply & Storage	4	4	0	0
Admin	153	153	0	0
Housing	540	540	0	0
Recreational	1,393	N/A	N/A	N/A
Navy Forestry Program**	9,498	N/A	2,437	4,615
Navy Agricultural Outlease Program	0	N/A	N/A	N/A
Hunting/Fishing Programs	*	N/A	N/A	N/A
Other	0	N/A	N/A	N/A
Total:	21,505**	9,128	3,923	4,615

* Acreage varies depending on operational constraints and seasons.

** Actual total WPNSTA Charleston acres is 17,221. Navy Forestry Program overlaps with other land use categories. The 271 acres of Hunley Park housing area was not included because it is not available for future development. (R

Data Source: WPNSTA general development maps dtd 16 Sep 90 & WPNSTA Master Plan dtd Oct 88

Features and Capabilities, continued

13. Physical Space for Industrial Support

13.1 Identify in the table below the real estate resources which have the potential to facilitate future development and for which you are the plant account holder or into which, though a tenant, your activity could reasonably expect to expand. Complete a separate table for each individual site, i.e., main base, outlying airfields, special off-site areas, etc. The unit of measure is acres. Developed area is defined as land currently with buildings, roads, and utilities where further development is not possible without demolition of existing improvements. Include in "Restricted" areas that are restricted for future development due to environmental constraints (e.g. wetlands, landfills, archaeological sites), operational restrictions (e.g. ESQD arcs, HERO, HERP, HERF, AICUZ, ranges) or cultural resources restrictions. Identify the reason for the restriction when providing the acreage in the table. Specify any entry in "Other" (e.g. submerged lands).

Table 13.1: Real Estate Resources

Site Location: **WPNSTA Charleston**

Land Use	Total Acres	Developed Acreage	Available for Development	
			Restricted	Unrestricted
Maintenance	**0**	**N/A**	**N/A**	**N/A**
Operational	**9,905**	**8,419**	**1,486**	**0**
Training	**12**	**12**	**0**	**0**
R & D	**0**	**N/A**	**N/A**	**N/A**
Supply & Storage	**4**	**4**	**0**	**0**
Admin	**153**	**153**	**0**	**0**
Housing	**540**	**540**	**0**	**0**
Recreational	**1,393**	**N/A**	**N/A**	**N/A**
Navy Forestry Program**	**9,498**	**N/A**	**2,437**	**4,615**
Navy Agricultural Outlease Program	**0**	**N/A**	**N/A**	**N/A**
Hunting/Fishing Programs	*	**N/A**	**N/A**	**N/A**
Other	**0**	**N/A**	**N/A**	**N/A**
Total:	**21,505****	**9,128**	**3,923**	**4,615**

*** Acreage varies depending on operational constraints and seasons.**

**** Actual total WPNSTA Charleston acres is 17,221. Navy Forestry Program overlaps with other land use categories.**

Data Source: **WPNSTA general development maps dtd 16 Sep 90 & WPNSTA Master Plan dtd Oct 88**

13. Physical Space for Industrial Support, continued Revised pg

13.2 Identify the general infrastructure and load capabilities for each base complex under your cognizance in the table below. Reproduce Table 13.2 for each non-contiguous location (e.g. detachments).

Table 13.2: Base Utilities and Support Services

Site: WPNSTA Charleston

Capability	On Base Capacity	Off Base Longterm Contract	Normal Steady State Load	Peak Demand
Electrical Supply (KWH)	7,750 kw[10]	78 mva	151,166,400 kwh/yr	15,624,000 kwh/mo
Natural Gas[11] (CFY)	0	71,977,580 cfy	59,499,197 cfy	7,789,141 cfm
Sewage treatment (GPD)	0	1.2 mgd	1.1 mgd	2.2 mgd
Potable Water[12] (GPD)	4.3 mgd	0	1.8 mgd	4.04 mgd
Steam[13] (lbm/Hr)	62.3	0	20.9	42.2
Long-term Parking	337,069 sy	N/A	unknown	337,069 sy
Short-term parking	15,970 sy	N/A	unknown	15,970 sy

NOTE: mva=1000 kva, kw=1000 watts, sy=square yards, mgd=million gallons/day.

Data Source: Utility contracts (SCE&G, Chasn CPW, BCW&SA) and code 09 financial records of past billings, and base maps.

[10]WPNSTA Charleston On Base Electrical Generation Capacity is back-up or peak shaving only. The distribution system on the base is owned and maintained by WPNSTA Charleston.

[11]The Natural Gas Distribution System serves the housing area, POMFLANT, and a portion of the base. The distribution system on base is owned and maintained by WPNSTA Charleston. The system is fed by South Carolina Electric and Gas (SCE&G).

[12]WPNSTA Charleston has no capability to produce potable water. Our on-base capacity is based on storage capacity.

[13]WPNSTA Charleston has separate steam boilers for Piers Bravo and Charlie. POMFLANT area also has a small steam distribution system.

13. Physical Space for Industrial Support, continued

13.2 Identify the general infrastructure and load capabilities for each base complex under your cognizance in the table below. Reproduce Table 13.2 for each non-contiguous location (e.g. detachments).

Table 13.2: Base Utilities and Support Services (C R

Site: **WPNSTA Charleston**

Capability	On Base Capacity	Off Base Longterm Contract	Normal Steady State Load	Peak Demand
Electrical Supply (KWH)	**7,750 kw**[10]	**78 mva**	**151,166,400 kwh/yr**	**15,624,000 kwh/mo**
Natural Gas[11] (CFY)	**0**	**71,977,580 cfy**	**59,499,197 cfy**	**7,789,141 cfm**
Sewage treatment (GPD)	**0**	**1.2 mgd**	**1.1 mgd**	**2.2 mgd**
Potable Water[12] (GPD)	**2.0 mgd**	**3.6 mgd**	**1.5 mgd**	**2.244 mgd**
Steam[13] (lbm/Hr)	**62.3**	**0**	**20.9**	**42.2**

[10] **WPNSTA Charleston On Base Electrical Generation Capacity is back-up or peak shaving only. The distribution system on the base is owned and maintained by WPNSTA Charleston.** (C R

[11] **The Natural Gas Distribution System serves the housing area, POMFLANT, and a portion of the base. The distribution system on base is owned and maintained by WPNSTA Charleston. The system is fed by South Carolina Electric and Gas (SCE&G).** (C R

[12] **WPNSTA Charleston has no capability to produce potable water. Our on-base capacity is based on storage capacity.** (C R

Long-term Parking	337,069 sy	N/A	unknown	337,069 sy
Short-term parking	15,970 sy	N/A	unknown	15,970 sy

CR
CR

NOTE: mva=1000 kva, kw=1000 watts, sy=square yards, mgd=million gallons/day.

Data Source: **Utility contracts (SCE&G, Chasn CPW, BCW&SA) and code 09 financial records of past billings, and base maps.**

[13] WPNSTA Charleston has separate steam boilers for Piers Bravo and Charlie. POMFLANT area also has a small steam distribution system.

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Features and Capabilities, continued

14. Facility Measures

14.1 Identify the facility and equipment values for all activities under your cognizance in the Table below, as executed and budgeted for the period requested. As applied herein:

- Maintenance of Real Property (MRP) is the budgetary term gathering the expenses or budget requirements for facility work and includes recurring maintenance, major repairs and minor construction (non-MILCON) inclusive of all Major Claimant funded Special Projects. It is the amount of funds spent on or budgeted for maintenance and repair of real property assets to maintain the facility in satisfactory operating condition. For purposes of this Data Call, MRP includes all M1/R1 and M2/R2 expenditures.
- Current Plant Value (CPV) refer to incorporates Class 2 Real Property and is the hypothetical dollar amount required to replace a Class 2 facility in kind at today's dollars (e.g.: the cost today to replace an existing wood frame barracks with another barracks, also wood frame).
- Acquisition Cost of Equipment (ACE) reports the total cumulative acquisition cost of all "Personal Property" equipment which includes the cost of installed equipments directly related to mission execution (such as lab test equipment). Class 2 installed capital equipment which is integral to the facility should not be reported as ACE.

Table 14.1: Expenditures and Equipment Values

FY	MRP ($ K)	CPV ($ K)	ACE ($ K)
1986	N/A	492,527	17,733
1987	8,334.372	527,498	15,943
1988	11,005.947	579,199	16,027
1989	11,558.080	557,726	14,383
1990	[14]28,158.266	360,791[15]	35,617
1991	17,985.369	641,825	38,212
1992	10,531.963	653,798	38,794
1993	12,577.621	650,270	45,381
1994	9,303.900	670,328	45,903
1995	9,609.300	694,438	46,237
1996	9,113.900	715,271	47,785
1997	8,936.300	763,229	48,055

This includes WPNSTA Charleston (N00193), POMFLANT (N63028), and NAVELEX (N65236)

N/A=Not Available

Data Source: (MRP/CPV) Code 09A1 (Finance). Prior, current, & future budgets.
(ACE) Code 051F. Financial Statements, current, & future capital budgets.

[14]Increase due to Hugo repairs

[15]POMFLANT data not available for this year due to Hurricane Hugo.

Features and Capabilities, continued

14. Facility Measures

14.1 Identify the facility and equipment values for all activities under your cognizance in the Table below, as executed and budgeted for the period requested. As applied herein:

• Maintenance of Real Property (MRP) is the budgetary term gathering the expenses or budget requirements for facility work and includes recurring maintenance, major repairs and minor construction (non-MILCON) inclusive of all Major Claimant funded Special Projects. It is the amount of funds spent on or budgeted for maintenance and repair of real property assets to maintain the facility in satisfactory operating condition. For purposes of this Data Call, MRP includes all M1/R1 and M2/R2 expenditures.

• Current Plant Value (CPV) refer to incorporates Class 2 Real Property and is the hypothetical dollar amount required to replace a Class 2 facility in kind at today's dollars (e.g.: the cost today to replace an existing wood frame barracks with another barracks, also wood frame).

• Acquisition Cost of Equipment (ACE) reports the total cumulative acquisition cost of all "Personal Property" equipment which includes the cost of installed equipments directly related to mission execution (such as lab test equipment). Class 2 installed capital equipment which is integral to the facility should not be reported as ACE.

Table 14.1: Expenditures and Equipment Values

FY	MRP ($ K)	CPV ($ K)	ACE ($ K)
1986	N/A	492,527	17,733
1987	8,334.372	527,498	15,943
1988	11,005.947	579,199	16,027
1989	11,558.080	Hurricane Hugo	14,383
1990	[14] 28,158.266	360,791[15]	35,617
1991	17,985.369	641,825	38,212
1992	10,531.963	653,798	38,794
1993	12,577.621	650,270	45,381
1994	9,303.900	N/A	45,903
1995	9,609.300	N/A	46,237
1996	9,113.900	N/A	47,785
1997	8,936.300	N/A	48,055

This includes WPNSTA Charleston (N00193), POMFLANT (N63028), and NAVELEX (N65236)

[14] Increase due to Hugo repairs

[15] POMFLANT data not available for this year due to Hurricane Hugo.

N/A=Not Available

Data Source: **(MRP/CPV) Code 09A1 (Finance). Prior, current, & future budgets.**
(ACE) Code 051F. Financial Statements, current, & future capital budgets.

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Features and Capabilities, continued Revised pg

15. Personnel Support Facility Data

15.1 Housing and Messing. Provide data on the BOQs and BEQs assigned to your current plant account. The unit of measure for this capability is number of people housed. Use CCN to differentiate between pay grades (i.e., E1-E4, E5-E6, E7-E9, CWO-O2, O3 and above).

Table 15.1: Bachelor Housing Facilities

Facility Type, Bldg. # & CCN	Total # Beds	Total # Rooms	Adequate		Substandard		Inadequate	
			Beds	SF	Beds	SF	Beds	SF
BEQ, B-909 E1-E4	**38**	**23**	**39**	**4,887**	**1**	**85**		
E5-E6	**2**	**2**	**2**	**6,900**				
E7-E9	**0**	**0**						
CWO-02 >	**0**	**0**						

Facility Type, Bldg. # & CCN	Total # Beds	Total # Rooms	Adequate		Substandard		Inadequate	
			Beds	SF	Beds	SF	Beds	SF
BEQ, B-304 E1-E4	**244**	**104**	**244**	**61,285**				
E5-E6	**4**	**2**	**4**	**2,402**				
E7-E9	**0**	**0**						
CWO-02 >	**0**	**0**						

15.2 In accordance with NAVFACINST 11010.44E, an inadequate facility cannot be made adequate for its present use through "economically justifiable means". For all the categories above where inadequate facilities are identified provide the following information:

N/A

a. Facility type/code:
b. What makes it inadequate?
c. What use is being made of the facility?
d. What is the cost to upgrade the facility to substandard?
e. What other use could be made of the facility and at what cost?
f. Current improvement plans and programmed funding:
g. Has this facility condition resulted in C3 or C4 designation on your BASEREP?

Features and Capabilities, continued

15. Personnel Support Facility Data

15.1 Housing and Messing. Provide data on the BOQs and BEQs assigned to your current plant account. The unit of measure for this capability is number of people housed. Use CCN to differentiate between pay grades (i.e., E1-E4, E5-E6, E7-E9, CWO-O2, O3 and above).

Table 15.1: Bachelor Housing Facilities

Facility Type, Bldg. # & CCN	Total # Beds	Total # Rooms	Adequate		Substandard		Inadequate	
			Beds	SF	Beds	SF`	Beds	SF
BEQ, B-909 E1-E4	**36**	**23**	**36**	**4,887**				
E5-E6	**2**	**2**	**2**	**6,900**				
E7-E9	**0**	**0**						
CWO-02 >	**0**	**0**						

Facility Type, Bldg. # & CCN	Total # Beds	Total # Rooms	Adequate		Substandard		Inadequate	
			Beds	SF	Beds	SF`	Beds	SF
BEQ, B-304 E1-E4	**244**	**104**	**244**	**61,285**				
E5-E6	**4**	**2**	**4**	**2,402**				
E7-E9	**0**	**0**						
CWO-02 >	**0**	**0**						

15.2 In accordance with NAVFACINST 11010.44E, an inadequate facility cannot be made adequate for its present use through "economically justifiable means". For all the categories above where inadequate facilities are identified provide the following information:

N/A

a. Facility type/code:
b. What makes it inadequate?
c. What use is being made of the facility?
d. What is the cost to upgrade the facility to substandard?
e. What other use could be made of the facility and at what cost?
f. Current improvement plans and programmed funding:
g. Has this facility condition resulted in C3 or C4 designation on your BASEREP?

Revised pg

15. Personnel Support Facility Data, continued

15.3 Provide data on the BOQs and BEQs projected to be assigned to your plant account in FY 1997. The desired unit of measure for this capacity is people housed. Use CCN to differentiate between pay grades, i.e., E1-E4, E5-E6, E7-E9, CWO-O2, O3 and above.

Table 15.3: Bachelor Housing Facilities

Facility Type, Bldg. # & CCN	Total # Beds	Total # Rooms	Adequate		Substandard		Inadequate	
			Beds	SF	Beds	SF	Beds	SF
BEQ B-909 E1-E4	**38**	**23**	**37**	**4,887**	**1**	**85**		
E5-E6	**2**	**2**	**2**	**6,900**				
E7-E9	**0**	**0**						
CWO-02 >	**0**	**0**						

Facility Type, Bldg. # & CCN	Total # Beds	Total # Rooms	Adequate		Substandard		Inadequate	
			Beds	SF	Beds	SF	Beds	SF
BEQ B-304 E1-E4	**244**	**104**	**244**	**61,285**				
E5-E6	**4**	**2**	**4**	**2,402**				
E7-E9	**0**	**0**						
CWO-02 >	**0**	**0**						

15.4 In accordance with NAVFACINST 11010.44E, an inadequate facility cannot be made adequate for its present use through "economically justifiable means". For all the categories above where inadequate facilities are identified provide the following information:

Not Applicable

a. Facility type/code:
b. What makes it inadequate?
c. What use is being made of the facility?
d. What is the cost to upgrade the facility to substandard?
e. What other use could be made of the facility and at what cost?
f. Current improvement plans and programmed funding:
g. Has this facility condition resulted in C3 or C4 designation on your BASEREP?

15. Personnel Support Facility Data, continued

15.3 Provide data on the BOQs and BEQs projected to be assigned to your plant account in FY 1997. The desired unit of measure for this capacity is people housed. Use CCN to differentiate between pay grades, i.e., E1-E4, E5-E6, E7-E9, CWO-O2, O3 and above.

Table 15.3: Bachelor Housing Facilities

Facility Type, Bldg. # & CCN	Total # Beds	Total # Rooms	Adequate		Substandard		Inadequate	
			Beds	SF	Beds	SF	Beds	SF
BEQ B-909 E1-E4	**36**	**23**	**36**	**4,887**				
E5-E6	**2**	**2**	**2**	**6,900**				
E7-E9	**0**	**0**						
CWO-02 >	**0**	**0**						

Facility Type, Bldg. # & CCN	Total # Beds	Total # Rooms	Adequate		Substandard		Inadequate	
			Beds	SF	Beds	SF	Beds	SF
BEQ B-304 E1-E4	**244**	**104**	**244**	**61,285**				
E5-E6	**4**	**2**	**4**	**2,402**				
E7-E9	**0**	**0**						
CWO-02 >	**0**	**0**						

15.4 In accordance with NAVFACINST 11010.44E, an inadequate facility cannot be made adequate for its present use through "economically justifiable means". For all the categories above where inadequate facilities are identified provide the following information:

Not Applicable

a. Facility type/code:
b. What makes it inadequate?
c. What use is being made of the facility?
d. What is the cost to upgrade the facility to substandard?
e. What other use could be made of the facility and at what cost?
f. Current improvement plans and programmed funding:
g. Has this facility condition resulted in C3 or C4 designation on your BASEREP?

15. Personnel Support Facility Data, continued

15.5 Provide data on the messing facilities assigned to your current plant account.

Table 15.5: Messing Facilities

Facility Type, CC and Bldg. #	Total SF	Adequate		Substandard		Inadequate		Avg # Noon Meals Served
		Seats	SF	Seats	SF	Seats	SF	
Enlisted Dining Facility, B-306 E1-E9	**6,405**	**72**	**6,405**	**0**	**0**	**0**	**0**	**132**

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15.6 In accordance with NAVFACINST 11010.44E, an inadequate facility cannot be made adequate for its present use through "economically justifiable means". For all the categories above where inadequate facilities are identified provide the following information:

Not Applicable

a. Facility type/code:
b. What makes it inadequate?
c. What use is being made of the facility?
d. What is the cost to upgrade the facility to substandard?
e. What other use could be made of the facility and at what cost?
f. Current improvement plans and programmed funding:
g. Has this facility condition resulted in C3 or C4 designation on your BASEREP?

15. Personnel Support Facility Data, continued

15.7 Provide data on the messing facilities projected to be assigned to your plant account in FY 1997.

Table 15.7: Messing Facilities

Facility Type, CC and Bldg. #	Total SF	Adequate		Substandard		Inadequate		Avg # Noon Meals Served
		Seats	SF	Seats	SF	Seats	SF	
Enlisted Dining Facility, B-306 E1-E9	**6,405**	**72**	**6,405**	**0**	**0**	**0**	**0**	**132**

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15.8 In accordance with NAVFACINST 11010.44E, an inadequate facility cannot be made adequate for its present use through "economically justifiable means". For all the categories above where inadequate facilities are identified provide the following information:

Not Applicable

a. Facility type/code:
b. What makes it inadequate?
c. What use is being made of the facility?
d. What is the cost to upgrade the facility to substandard?
e. What other use could be made of the facility and at what cost?
f. Current improvement plans and programmed funding:
g. Has this facility condition resulted in C3 or C4 designation on your BASEREP?

16. Training Facilities

16.1. By Category Code Number (CCN) (5 digits), complete the following student throughput capacity table for all training facilities (adequate, substandard and inadequate) aboard the installation, including tenant activities. Include all 171-*XX* and 179-*XX* CCNs and any other applicable CCN. Following the table, describe how the reported Student Hours/Year capacity was derived. Personnel Capacity (PN) is the total number of seats available for students in spaces used instruction, based on the current configuration and use of the facilities.

EX: A type of training facility in the category 171-10 is an academic instruction classroom. If you have 10 classrooms with a capacity of 25 students per room, the design capacity reported would be 250. If these classrooms are available 8 hours a day for 300 days in a year, the capacity would be 600,000 student hours per year.

Table 16.1: Training Facilities

Parent UIC	CCN	Type of Training Facility	Total # this Type	Personnel Capacity (PN)	Capacity (Student Hours/Year)
*	**171-10**	**Academic instruction classroom**	**23**	**47**	**7,833,600**

*** Nuclear Power Training Unit (NTPU) is a tenant located on WPNSTA Charleston. UIC's are: 47723, 47724, 47785, 47801, 49230, and 68898.**

Data Source: **NPTU**

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16. Training Facilities

16.1. By Category Code Number (CCN) (5 digits), complete the following student throughput capacity table for all training facilities (adequate, substandard and inadequate) aboard the installation, including tenant activities. Include all 171-*XX* and 179-*XX* CCNs and any other applicable CCN. Following the table, describe how the reported Student Hours/Year capacity was derived. Personnel Capacity (PN) is the total number of seats available for students in spaces used instruction, based on the current configuration and use of the facilities.

EX: A type of training facility in the category 171-10 is an academic instruction classroom. If you have 10 classrooms with a capacity of 25 students per room, the design capacity reported would be 250. If these classrooms are available 8 hours a day for 300 days in a year, the capacity would be 600,000 student hours per year.

Table 16.1: Training Facilities

Parent UIC	CCN	Type of Training Facility	Total # this Type	Personnel Capacity (PN)	Capacity (Student Hours/Year)
*	**171-10**	**Academic instruction classroom**	**13**	**30**	**865,800****

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*** Nuclear Power Training Unit (NTPU) is a tenant located on WPNSTA Charleston. UIC's are: 47723, 47724, 47785, 47801, 49230, and 68898.**

**** This reflects the minimum scheduled usage of 185 days at 12 hours per day for students in their classroom phase of training. The classrooms are continuously in use by the students outside of normal class time for additional study and by others on the site who train in 8 hour shifts, 24 hours a day, 7 days a week.**

Data Source: **NPTU**

92R 12/16/94

16. Training Facilities, continued

16.2 By facility Category Code Number (CCN), provide the number of hours per year of classroom time required for each course of instruction taught at formal schools on your installation. Include all applicable 171-*XX* and 179-*XX* CCNs. For requirements, report in column "A" the number of students per requested year; report in "B" the number of hours each student spends in this training facility for each course; report in "C" the product (AxB), the number of hours of instruction per year.

Table 16.2: Formal Classroom Training

CCN: **171-10**

Type of Training Facility	School	Type of Training	FY 1993 Requirements			FY 2001 Requirements		
			A	B	C	A	B	C
Formal Classroom Training	**NPTU**	**Academic Instruction**	**985**	**300**	**295,500**	**1,088**	**300**	**326,400**

Data Source: **Nuclear Power Training Unit (NPTU)**

93R 12/16/94

16. Training Facilities, continued

16.2 By facility Category Code Number (CCN), provide the number of hours per year of classroom time required for each course of instruction taught at formal schools on your installation. Include all applicable 171-*XX* and 179-*XX* CCNs. For requirements, report in column "A" the number of students per requested year; report in "B" the number of hours each student spends in this training facility for each course; report in "C" the product (AxB), the number of hours of instruction per year.

Table 16.2: Formal Classroom Training

CCN: **171-10**

Type of Training Facility	School	Type of Training	FY 1993 Requirements			FY 2001 Requirements		
			A	B	C	A	B	C
Formal classroom training	**Nuclear Power Training Unit**	**Nuclear propulsion**	**1,088**	**128**	**139,264**	**1,088**	**128**	**139,264**

Data Source: **NPTU**

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

S. W. DELAPLANE
NAME (Please type or print)

Signature

COMMANDER
Title

30 SEP 94
Date

NAVAL ORDNANCE CENTER
Activity ATLANTIC DIVISION

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

R. SUTTON, RADM, USN
NAME (Please type or print)

Signature

COMMANDER
Title

26 OCT 94
Date

NAVAL ORDNANCE CENTER
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

G. R. STERNER
Title Commander
Naval Sea Systems Command

10-24-94
Date

Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

W. A. EARNER
NAME (Please type or print)

Signature

Title

11/1/94
Date

BRAC-95 CERTIFICATION FOR DATA CALL NUMBER 25

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

E A revision to the capacity section page 74 has been made.

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

T. B. STARK
NAME (Please type or print)


Signature

COMMANDING OFFICER
Title

6 Sep 94
Date

NAVAL WEAPONS STATION CHARLESTON
Activity

DATA CALL 25 (CAPACITY) (REVISION) CHARLESTON WEAPONS STATION

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

S. W. DELAPLANE
NAME (Please type or print)

Signature

COMMANDER
Title

21 JUNE 94
Date

NAVAL ORDNANCE CENTER
ATLANTIC DIVISION
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

R. SUTTON, RADM, USN
NAME (Please type or print)

Signature

COMMANDER
Title

6/22/94
Date

NAVAL ORDNANCE CENTER
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

G. R. STEINER
NAME (Please type or print)

Signature

Title

7-7-94
Date

Naval Sea Systems Command
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

J. B. GREENE, JR.
NAME (Please type or print)

Signature

ACTING
Title

11 JUL 1994
Date

BRAC-95 CERTIFICATION FOR DATA CALL NUMBER 25

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

Revised Pages to Capacity Section: 3, 4, 6-17, 20-22, 26, 33, 35, 40, 55-67, 69, 72, 78-82, 85, and 86.

Revised Pages to Depot Maintenance Section: 5, 10, 13, 15, 19, 24, and 26.

I certify that the information contained **on the pages listed above are** accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

J. M. SCHUMACHER
NAME (Please type or print)

Signature

COMMANDING OFFICER, ACTING
Title

20 JUNE 1994
Date

NAVAL WEAPONS STATION CHARLESTON
Activity

DATA CALL SUPPLEMENT
FOR
JOINT CROSS SERVICE GROUP - DEPOT MAINTENANCE

Table of Contents

DATA CALL SUPPLEMENT FOR JOINT CROSS SERVICE GROUP-DEPOT MAINTENANCE

This supplement is designed to facilitate the cross service analysis required of the 1995 Base Realignment and Closure (BRAC-95) process. It requests data in a standardized format that will be used by the Joint Cross Service Group-Depot Maintenance (JCSG-DM) to develop closure and realignment alternatives to be given to the Military Departments for their analysis and final recommendations. The JCSG-DM Data Call consists of two sections, one for capacity measurements and a second measuring "measures of merit". This Data Call has been formatted to assist the preparer in providing the required information with the minimum amount of effort. If questions arise, contact your Military Department BRAC-95 office for clarification.

Notes in the context of this data call:

1. Base your responses on workload as programmed for your activity. Unless otherwise specified, use workload mixes as programmed in the FYDP.
2. Direct Labor Hours (DLH) is the common unit of measure unless specifically noted otherwise in the question.
3. Information requested in this supplement may duplicate data requested by BRAC 95 data calls from the individual Military Departments. If this occurs, read both questions carefully to ensure that they are in fact asking for identical information, and if that is the case, transfer information from one data call to the other.
4. These questions should be passed up and down the chain of command without editing or rewriting. This standardized data call is designed to support an auditable process by having each activity (regardless of Military Department assigned) respond to the same question.
5. "Core" capability calculations are to be performed in accordance with Office of the Under Secretary of Defense (Logistics) Memorandum dated November 15, 1993 (Subject: Policy for Maintaining Core Depot Maintenance Capability).
6. Capacity and utilization index calculations will be performed in accordance with the Defense Depot Maintenance Council approved update to DoD 4151.15H (Depot Maintenance Capacity/Utilization Index Measurement) dated December 5, 1990.
7. All calculations will assume a one shift, 40 hour work week.
8. Workload, capabilities, and capacities will be measured by commodity groups. A detailed breakout of the JCSG-DM commodity groups is contained in the following box. Insert the commodity groups applicable to your depot maintenance activity into the tables whenever a specific break out is requested by the question. Individual Military Departments in their Service specific data calls, may measure data in different commodity groups or categories, but for the Joint Cross Service analysis, these commodity groups must be utilized.
9. Data will be amounts as of the end of the applicable fiscal year.

Commodity Groups List

1. Aircraft Airframes:
   a. Rotary
   b. VSTOL
   c. Fixed Wing
      (1) Transport / Tanker / Bomber /
      (2) Command and Control
      (3) Light Combat
      (4) Admin / Training
   d. Other

2. Aircraft Components
   Dynamic Components
   Aircraft Structures
   Hydraulic/Pneumatic
   Instruments
   Landing Gear
   Aviation Ordnance
   Avionics/Electronics
   APUs
   Other

3. Engines (Gas Turbine)
   Aircraft
   Ship
   Tank
   Blades / Vanes (Type 2)

4. Missiles and Missile Components
   Strategic
   Tactical / MLRS

5. Amphibians
   Vehicles
   Components (less GTE)

6. Ground Combat Vehicles
   Self-propelled
   Tanks
   Towed Combat Vehicles
   Components (less GTE)
7. Ground and Shipboard Communications
   and Electronic Equipment
   Radar
   Radio Communications
   Wire Communications
   Electronic Warfare
   Navigational Aids
   Electro-Optics / Night Vision
   Satellite Control / Space Sensors

8. Automotive / Construction Equipment

9. Tactical Vehicles
   Tactical Automotive Vehicles
   Components

10. Ground General Purpose Items
    Ground Support Equipment (except aircraft)
    Small Arms / Personal Weapons
    Munitions / Ordnance
    Ground Generators
    Other

JOINT CROSS SERVICE - DEPOT MAINTENANCE

Table of Acronyms

$/DLH	Cost per Direct Labor Hour
$K	Thousands of Dollars
ADMIN	Administrative; administration
AICUZ	Air Installations Compatible Use Zone
AOC$	Annual Operating Cost (dollars)
CCN	Category Code Number
DBOF	Defense Business Operating Fund
DLH	Direct Labor Hour
DoD	Department of Defense
ESQD	Explosive Safety Quantity Distance
FMS	Foreign Military Sales
FY	Fiscal Year
FYDP	Future Year Defense Plan
GTE	Gas Turbine Engines
HERF	Hazardous Electronic Radiation - Fuels
HERO	Hazardous Electronic Radiation - Ordnance
HERP	Hazardous Electronic Radiation - Personnel
JCSG-DM	Joint Cross Service Group - Depot Maintenance
KSF	Thousands of Square Feet
PRV	Plant Replacement Value
R&D	Research and Development
RPM	Real Property Maintenance
SF	Square Feet
WG	Wage Grade

DATA CALL SUPPLEMENT
FOR
JOINT CROSS SERVICE GROUP - DEPOT MAINTENANCE

CAPACITY

1. Capacity Utilization

1.1 Calculate the capacity index for the commodity groups applicable to depot maintenance work at your activity. Provide your answers expressed in direct labor hours (DLHs) in Table 1.1.a by commodity groups for the Fiscal Years requested.

Table 1.1.a: Capacity Index

COMMODITY GROUP	INDEX (DLHs)				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
OTHER (INERT)	**24,000**	**24,000**	**24,000**	**24,000**	**24,000**
MUNITIONS/ ORDNANCE	**2,000**	**2,000**	**2,000**	**2,000**	**2,000**
TOTAL	**26,000**	**26,000**	**26,000**	**26,000**	**26,000**

OTHER (INERT): Workload includes depot level maintenance of MK46, MK48, and Surface Launched Missile System containers, and MK48 Torpedo Mounted Dispensers. Additionally, work includes depot level maintenance of MILVAN containers in support of the US Marines and US Army's Strategic Mobility Logistics Base (SMLB) Program.

MUNITIONS/ORDNANCE: Workload includes renovation of conventional ammunition.

1. Capacity Utilization, continued Revised pg

1.2 Calculate the utilization index for the commodity groups applicable to depot maintenance work at your activity. Provide your answers expressed as a percentage (%) in Table 1.2.a by commodity groups for the Fiscal Years requested.

Table 1.2.a: Utilization Index

COMMODITY GROUP	INDEX (%)				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
OTHER (INERT)	**89**	**88**	**87**	**87**	**87**
MUNITIONS/ ORDNANCE	**90**	**0**	**0**	**0**	**0**
TOTAL	**179**	**88**	**87**	**87**	**87**

1.3 Assuming (a) the current projected total workload remains as assigned; (b) that sufficient production demand is available to justify maximum hiring, with no significant investment in capital equipment; and (c) no major Military Construction additional to that already approved and funded: what is the maximum extent to which operations, by commodity group, could be expanded for depot maintenance work at your activity, based on the current and future planned workload mixes? Please provide your response in the absolute maximum number of direct labor hours (DLHs).

Table 1.3.a: Maximum Potential Capacity

COMMODITY GROUP	INDEX (DLHs) (000's)				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
OTHER (INERT)	**47.6**	**47.6**	**47.6**	**47.6**	**47.6**
MUNITIONS/ ORDNANCE	**2.7**	**2.7**	**2.7**	**2.7**	**2.7**
TOTAL	**50.3**	**50.3**	**50.3**	**50.3**	**50.3**

1. Capacity Utilization, continued

1.2 Calculate the utilization index for the commodity groups applicable to depot maintenance work at your activity. Provide your answers expressed as a percentage (%) in Table 1.2.a by commodity groups for the Fiscal Years requested.

Table 1.2.a: Utilization Index

COMMODITY GROUP	INDEX (%)				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
OTHER (INERT)	**89**	**88**	**87**	**87**	**87**
MUNITIONS/ ORDNANCE	**90**	**0**	**0**	**0**	**0**
TOTAL	**179**	**88**	**87**	**87**	**87**

1.3 Assuming (a) the current projected total workload remains as assigned; (b) that sufficient production demand is available to justify maximum hiring, with no significant investment in capital equipment; and (c) no major Military Construction additional to that already approved and funded: what is the maximum extent to which operations, by commodity group, could be expanded for depot maintenance work at your activity, based on the current and future planned workload mixes? Please provide your response in the absolute maximum number of direct labor hours (DLHs).

Table 1.3.a: Maximum Potential Capacity

COMMODITY GROUP	INDEX (DLHs) **(000's)**				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
OTHER (INERT)	**47.6**	**47.6**	**47.6**	**47.6**	**47.6**
MUNITIONS/ ORDNANCE	**10.7**	**10.7**	**10.7**	**10.7**	**10.7**
TOTAL	**58.3**	**58.3**	**58.3**	**58.3**	**58.3**

CAPACITY

2. Plant Replacement Value

2.1 What is the estimated Plant Replacement Value (PRV) as of the end of each Fiscal Year of your depot maintenance activity expressed in thousands of dollars ($K) as a function of the facilities and equipment? Provide your answer in Table 2.1.

Table 2.1: Expenditures and Equipment Values

PRV	$ K				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
Facilities	**8,525**	**8,951**	**9,398**	**9,868**	**10,362**
Equipments	**2,978**	**3,127**	**3,283**	**3,447**	**3,620**
TOTAL	**11,503**	**12,078**	**12,661**	**13,315**	**13,982**

CAPACITY

3. Programmed Workload

3.1 Given the current configuration and operation of your activity, provide the programmed depot level workload by commodity group in Tables 3.1.a and 3.1.b. Express your answer in both dollars ($K) and direct labor hours (DLH) for the Fiscal Years requested.

Table 3.1.a: Programmed Workload

COMMODITY GROUP	$ K (000)				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
OTHER (INERT)	**1,583.4**	**1,967.5**	**1,948.8**	**1,948.8**	**1,948.8**
MUNITIONS/ ORDNANCE	**159.3**	**0**	**0**	**0**	**0**
TOTAL	**1,742.7**	**1,967.5**	**1,948.8**	**1,948.8**	**1,948.8**

Table 3.1.b: Programmed Workload

COMMODITY GROUP	DLHs (000's)				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
OTHER (INERT)	**16.9**	**21.0**	**20.8**	**20.8**	**20.8**
MUNITIONS/ ORDNANCE	**1.8**	**0**	**0**	**0**	**0**
TOTAL	**18.7**	**21.0**	**20.8**	**20.8**	**20.8**

CAPACITY

4. Service Centers of Excellence

4.1 If your activity has been designated as a Service Center of Excellence for any of the commodity groups, please identify them below.

NOT APPLICABLE

DATA CALL SUPPLEMENT
FOR
JOINT CROSS SERVICE GROUP - DEPOT MAINTENANCE

MEASURES OF MERIT

Geographic

1. Location

1.1 Specify any special strategic importance or military value consideration of your activity accruing from its geographical location.

- **WPNSTA Charleston is a warm water, explosive loading port facility.**

- **WPNSTA Charleston has a Coast Guard approved 8,000 foot diameter off-shore explosive anchorage (NEW 1.0M) to support peak load and surge capacity staging of explosive laden vessels.**

- **Sizable land area allows collocation of large ordnance storage and maintenance capacity with ship explosive outloading capability.**

- **Large land mass cited for explosive operations with established ESQD arcs which all fall within the geographic boundaries of WPNSTA Charleston.**

- **Encroachment on the established boundaries and ESQD arcs of the WPNSTA are insulated by wetlands, restricted waterways, and roads.**

- **It is the only coastal activity with explosive storage, outload, and maintenance capability in the southeastern United States.**

- **This capability supports Navy, Marine Corps, and Army explosive operations.**

- **The Weapons Station geographical site meets support requirements for the Nuclear Power Training Facility (NPTU).**

- **WPNSTA Charleston will upon, Naval Station Charleston closure, support the Mobile Mine Assembly Group (MOMAG) mission which is geographically linked to mine range off the Charleston, SC coast.**

- **It is the closest explosive loading port to the homeported ships located in GA, FL, and the Gulf of Mexico.**

- **WPNSTA Charleston's close proximity to the Charleston Air Force Base provides quick-trans support service for shipment of materials using the Military Air Transport.**

Geographic, continued

2. Environmental Compliance

Answers to the following questions need to reflect the particular workloads or processes affected by the environmental restrictions/compliance.

2.1 Is your activity in full compliance with all Federal, state, and local environmental regulations? If not in full compliance, provide a comprehensive list of individual regulations that require actions to be taken. What compliance waivers have been granted? When must the activity come into compliance?

Type	Regulation	Waiver (Date Expires)	Date Must be in Compliance

We are in full compliance based upon the status of the latest inspections by federal, state, and local regulators.

2.2 Has any actual or programmed work at this installation been restricted or delayed because of environmental considerations, such as air or water quality? If so, provide the details of the impact of the restrictions or delays.

Programmed Work	Restriction/Delay	Describe Impact

No actual or programmed work has been restricted or delayed beyond the normal amount of time required to incorporate environmental impacts/requirements into the work.

Geographic, continued

3. Environmental Restrictions

Answers to the following questions need to reflect the particular workloads or processes affected by the environmental restrictions/compliance.

3.1 Are there any special programs relating to environmental or industrial waste considerations for your activity? If so, provide the details.

Special Program	Environmental/Industrial Waste	Describe
None		

3.2 Within what provisions must the activity operate with regard to disposal of hazardous wastes and radioactive materials?

Type	Provisions	Describe
Federal	**40CFR260-280**	**Hazardous waste management**
State	**R.61-79,260-280**	**Hazardous waste management**

No radioactive waste generation and disposal at WPNSTA Charleston.

Geographic, continued

4. Other Collocated Activities

4.1 Are there any collocated activities that directly benefit or relate to the depot maintenance activity? If yes, list and describe the impact of each. Include benefits derived from being collocated.

Collocated Activity	Benefit/Relationship	Describe Impact
US Army's Strategic Mobility Logistics Base (SMLB) Program	**Depot level maintenance to MILVANs**	

4.2 Do collocated activities support, or are they supported by, the depot maintenance activity?

Collocated Activity	Describe Relationship
The Army program is supported by WPNSTA Charleston.	

4.3 How would these activities and the depot maintenance activity function if they were not collocated?

Collocated Activity	Describe Impact if not Collocated
The DLM could be performed elsewhere; however, collocation with explosive storage capability and explosive outload facilities provides strategic and operation enhancements. Performance of depot level MILVAN repair at WPNSTA Charleston where the prepositioning operations for Marine and Army are conducted, allows immediate response to customer requirements for assets. Costs associated with establishing a ready reserve pool of serviceable containers and/or transportation of serviceable units from another site are eliminated. Containers are repaired and returned to serviceable condition within the normal ship maintenance cycle.	

Geographic, continued

5. Encroachment

5.1 Have operations at this activity been at all constrained to accommodate requests of the local communities?

Type of Encroachment	Operation Impacted	Describe

There have been no known requests from local communities. No operations have been restricted.

5.2 Indicate any encroachment constraints on current or future operations that would restrict future expansion.

Type of Encroachment	Constraint on Expansion	Describe

No encroachment constraints restrict future expansion.

MEASURES OF MERIT

Facilities and Equipage

6. Unique or Peculiar Facilities

6.1 List unique or peculiar facilities, excluding equipment (e.g. runways, railheads, ports, tracks, ponds, etc.).

Facility Describe Uniqueness/Peculiarity

Wharf A - NEW limit of 1.0 million pounds.
Pier B - NEW limit of 1.95 million pounds.
Pier C - NEW limit of 1.5 million pounds.
TC Dock - NEW limit of 1,371 pounds, fuel/defuel capability.
Open/Burn Open/Detonation Range - Approved Class C disposal site.
Stationary Demilitarization Furnace - Approved non-RCRA material disposal site.
Explosive Storage and Maintenance Facilities - Established ESQD arcs are on Government property.
WPNSTA Charleston has a Coast Guard approved 8,000 foot diameter off-shore explosive anchorage (NEW 1.0M) to support peak load and surge capacity staging of explosive laden vessels.

6.2 Indicate the reasons that these facilities are required by the depot maintenance function.

Facility Reasons Required for Maintenance

The DLM supports the prepositioning programs operated by the US Army and US Marines at WPNSTA Charleston. These programs require the handling and storage of ordnance commodities and renovation of ammunition containers. Established ESQD arcs, sited explosive storage, maintenance, and production facilities provide this support.

6.3 How could the depot maintenance functions be performed without these specialized facilities?

Facility Describe Testing Alternatives

The DLM could be performed elsewhere; however, collocation with explosive storage capability and explosive outload facilities provides strategic and operation enhancements. Performance of depot level MIL-VAN repair at WPNSTA Charleston where the prepositioning operations for Marine and Army are conducted, allows immediate response to customer requirements for assets. Costs associated with establishing a ready reserve pool of serviceable containers and/or transportation of serviceable units from another site are eliminated. Containers are repaired and returned to serviceable condition within the normal ship maintenance cycle.

Facilities and Equipage, continued

7. Buildings and Their Condition

7.1 List the buildings used to perform the depot maintenance functions by category code numbers (five or six digit CCNs), identifying their current condition (adequate, substandard, and inadequate) in Table 7.1 in thousands of square feet (KSF).

Table 7.1: Facility Conditions

CCN	Facility Type	Condition / Area (# KSF)			Comments
		Adequate	Substandard	Inadequate	
216-10	**CONVENTIONAL AMMO B-419**	**11.0**	**0**	**0**	
216-40	**MPF MILVAN DLM B-58**	**8.3**	**0**	**0**	
218-10	**MK46/48 DLM B-65**	**10.0**	**0**	**0**	
421-32	**SMS DLM B-75**	**6.5**	**0**	**0**	
421-32	**SMS DLM B-296**	**7.5**	**0**	**0**	
229-80	**MK46,48, & SMS DLM B-74**	**10.3**	**0**	**0**	
215-50	**MK48 TMD DLM B-93**	**16.6**	**0**	**0**	
	TOTAL	**70.2**	**0**	**0**	

Facilities and Equipage, continued

7.2 In Table 7.2.a, identify space available for expansion by building type for those facility category code numbers (five or six digit CCNs) that are most important to your mission. An activity's expansion capability is a function of its ability to reconfigure/rehabilitate existing underutilized facilities to accept new or increased requirements.

Table 7.2.a: Space Available for Expansion

Building ID / Type	CCN	Installation Space (KSF)			Total
		Adequate	Substandard	Inadequate	
MAINT/TEST B-930	**216-40**	**31.5**	**0**	**0**	**31.5**
MAINT/TEST B-79	**216-40**	**10.3**	**0**	**0**	**10.3**
MAINT/TEST B-92	**212-10**	**33.8**	**0**	**0**	**33.8**
	TOTAL:	**75.6**	**0**	**0**	**75.6**

Facilities and Equipage, continued

8. Unique and/or Peculiar Capabilities and Capacities

8.1 What unique and/or peculiar capabilities and capacities does the depot maintenance activity possess?

Depot Maintenance Capability/Capacity	Describe Why Unique/Peculiar
DLM for ammunition MIL-VANS	**Single authorized and certified east coast DLM repair facility for ammunition containers.**

8.2 Separately list the depot maintenance facilities and equipment which are one of a kind within the Service and/or DoD.

Facility/Equipment	Describe Why It is One of a Kind
None	

Facilities and Equipage, continued

9. Acreage Available for Building

9.1 What acreage on the installation does the government own in the proximity of the depot maintenance area that could be used for future expansion? Identify in the table below the real estate resources which have the potential to facilitate future development and for which you are the plant account holder or into which, though a tenant, your activity could reasonably expect to expand. Developed area is defined as land currently with buildings, roads, and utilities where further development is not possible without demolition of existing improvements. Report in "Restricted" areas that are restricted for future development due to environmental constraints (e.g. wetlands, landfills, archaeological sites), operational restrictions (e.g. ESQD arcs, HERO, HERP, HERF, AICUZ, ranges) or cultural resources restrictions. Identify the reason for the restriction when providing the acreage.

Table 9.1: Real Estate Resources

Site Location: **WPNSTA Charleston**

Land Use	Total Acres	Developed Acreage	Available for Development	
			Restricted	Unrestricted
Maintenance	**0**	**N/A**	**N/A**	**N/A**
Operational	**9,905**	**8,419**	**1,486**	**0**
Training	**12**	**12**	**0**	**0**
R & D	**0**	**N/A**	**N/A**	**N/A**
Supply & Storage	**4**	**4**	**0**	**0**
Admin	**153**	**153**	**0**	**0**
Housing	**540**	**540**	**0**	**0**
Recreational	**1,393**	**N/A**	**N/A**	**N/A**
Navy Forestry Program	**9,498**	**N/A**	**2,437**	**4,615**
Navy Agricultural Outlease Program	**0**	**N/A**	**N/A**	**N/A**
Hunting/Fishing Programs	*	**N/A**	**N/A**	**N/A**
Other	**0**	**N/A**	**N/A**	**N/A**
Total:	**21,505 ****	**9,128**	**3,923**	**4,615**

*** Acreage varies depending on operational constraints and seasons.**

**** Actual total WPNSTA Charleston acres is 17,221. Navy Forestry Program overlaps with other land use categories.**

Data Source: **WPNSTA general development maps dtd 16 Sep 90 & WPNSTA Master Plan dtd Oct 88**

Facilities and Equipage, continued

10. Administrative Space

10.1 What amount in square feet of administrative space could be made available to the depot maintenance function?

Current Use	Square Feet	Potential Use (Be Specific)

None

11. Industrial Waste

11.1 Are there any inhibiting factors that would limit future expansion on the base? Provide details if applicable.

Inhibiting Factor	Provide Detailed Description

Facilities and equipage to support Industrial Waste is sufficient for current and future expansion. Local Publicly Owned Treatment Works can easily accept increased waste volumes. Any additional on station treatment/pretreatment facilities required could be easily obtained. Local disposal capacity for solid industrial waste (i.e. paint wastes, asbestos waste, abrasive blast waste, petroleum contaminated soil/solids) is sufficient to support current needs and any future expansions. Sufficient current and future expansion capacity exists for industrial waste recycling needs (i.e. batteries, scrap metal, etc.)

MEASURES OF MERIT

Revised pg

Workload and Capabilities

Answers to the following questions are to reflect programmed amounts by commodity group, by activity in direct labor hours by Fiscal Year for FY 1996 through FY 1999.

12. Core Capabilities (DoD)

12.1 What is the amount of core capability required to support your own Service? Provide your answers in Table 12.1.a by commodity group for the Fiscal Years requested.

Table 12.1.a: Service Required Core

COMMODITY GROUP	Capability (DLHs) (000's)			
	FY 1996	FY 1997	FY 1998	FY 1999
OTHER (INERT)	**38.3**	**38.3**	**38.3**	**38.3**
MUNITIONS/ ORDNANCE	**2.7**	**2.7**	**2.7**	**2.7**
TOTAL	**41.0**	**41.0**	**41.0**	**41.0**

MEASURES OF MERIT

Workload and Capabilities

Answers to the following questions are to reflect programmed amounts by commodity group, by activity in direct labor hours by Fiscal Year for FY 1996 through FY 1999.

12. Core Capabilities (DoD)

12.1 What is the amount of core capability required to support your own Service? Provide your answers in Table 12.1.a by commodity group for the Fiscal Years requested.

Table 12.1.a: Service Required Core

COMMODITY GROUP	Capability (DLHs) **(000's)**			
	FY 1996	FY 1997	FY 1998	FY 1999
OTHER (INERT)	**38.3**	**38.3**	**38.3**	**38.3**
MUNITIONS/ ORDNANCE	**10.7**	**10.7**	**10.7**	**10.7**
TOTAL	**49.0**	**49.0**	**49.0**	**49.0**

Workload and Capabilities, continued Revised pg

12. Core Capabilities (DoD), continued

12.2 What is the amount of capability retained for the performance of other Services core? Provide your answers in Table 12.2.a by commodity group for the Fiscal Years requested.

Table 12.2.a: Core Capability Retained for Other Services

COMMODITY TYPE	Capability (DLHs) (000's)			
	FY 1996	FY 1997	FY 1998	FY 1999
OTHER (INERT) US ARMY	**9.3**	**9.3**	**9.3**	**9.3**
TOTAL	**9.3**	**9.3**	**9.3**	**9.3**

NOTE: DLM performed to US Army's Strategic Mobility Logistics Base (SMLB) Program ammunition containers.

12.3 What portion of the Service Core capability identified in the 12.1a above is identified as Service-Controlled Core (Title 10 responsibility)? Provide your answer in Table 12.3.a by commodity group for the Fiscal Years requested.

Table 12.3.a: Service-Controlled Core (Title 10)

COMMODITY GROUP	Capability (DLHs) (000's)			
	FY 1996	FY 1997	FY 1998	FY 1999
OTHER (INERT)	**38.3**	**38.3**	**38.3**	**38.3**
MUNITIONS/ ORDNANCE	**2.7**	**2.7**	**2.7**	**2.7**
TOTAL	**41.0**	**41.0**	**41.0**	**41.0**

Workload and Capabilities, continued

12. Core Capabilities (DoD), continued

12.2 What is the amount of capability retained for the performance of other Services core? Provide your answers in Table 12.2.a by commodity group for the Fiscal Years requested.

Table 12.2.a: Core Capability Retained for Other Services

COMMODITY TYPE	Capability (DLHs) **(000's)**			
	FY 1996	FY 1997	FY 1998	FY 1999
OTHER (INERT) US ARMY	**9.3**	**9.3**	**9.3**	**9.3**
TOTAL	**9.3**	**9.3**	**9.3**	**9.3**

NOTE: DLM performed to US Army's Strategic Mobility Logistics Base (SMLB) Program ammunition containers.

12.3 What portion of the Service Core capability identified in the 12.1a above is identified as Service-Controlled Core (Title 10 responsibility)? Provide your answer in Table 12.3.a by commodity group for the Fiscal Years requested.

Table 12.3.a: Service-Controlled Core (Title 10)

COMMODITY GROUP	Capability (DLHs) **(000's)**			
	FY 1996	FY 1997	FY 1998	FY 1999
OTHER (INERT)	**38.3**	**38.3**	**38.3**	**38.3**
MUNITIONS/ ORDNANCE	**10.7**	**10.7**	**10.7**	**10.7**
TOTAL	**49.0**	**49.0**	**49.0**	**49.0**

Workload and Capacities, continued

13. Core Workloads

13.1 What are your total Core Workloads to be applied against capabilities identified in Tables 12.1a and 12.2a? Provide your answer (DLH) in Table 13.1.a by commodity group for the Fiscal Year requested.

Table 13.1a Total Core Workloads

COMMODITY GROUP	Workload (DLHs) **(000's)**			
	FY 1996	FY 1997	FY 1998	FY 1999
OTHER (INERT)	**16.5**	**16.3**	**16.3**	**16.3**
OTHER (INERT) ARMY	**4.5**	**4.5**	**4.5**	**4.5**
MUNITIONS/ ORDNANCE	**0**	**0**	**0**	**0**
TOTAL	**21.0**	**20.8**	**20.8**	**20.8**

Workload and Capabilities, continued

14. Other Workloads (Above Core)

14.1 What above core workloads do you perform by these source categories? Use the most appropriate category, but do not duplicate workload on more than one table. Provide answers in Tables 14.1.a through 14.1.g by commodity group for the Fiscal Years requested.

No FMS above core workload performed - Table 14.1a

No interservice above core workload performed - Table 14.1b

No other agency above core workload performed - Table 14.1c

No last source of repair workload performed - Table 14.1d

No within service above core workload performed - Table 14.1e

No low quantity above core workload performed - Table 14.1f

No "all other workload" above core performed - Table 14.1g

No "Total Above Core Workload" performed - Table 14.1h

Workload and Capabilities, continued

15. Unique and/or Peculiar Workloads (Refer to Question 8.1)

15.1 What amount of the workload reported in question 8.1 is Core? Provide your answer in Table 15.1 by commodity groups for the Fiscal Years requested.

Table 15.1: Unique and/or Peculiar Total Core Workload

COMMODITY GROUP	Workload (DLHs) **(000's)**			
	FY 1996	FY 1997	FY 1998	FY 1999
OTHER (INERT) MARINE MPF	**7.8**	**7.8**	**7.8**	**7.8**
OTHER (INERT) ARMY PREPO	**4.5**	**4.5**	**4.5**	**4.5**
TOTAL	**12.3**	**12.3**	**12.3**	**12.3**

15.2 What amount of the workload reported in question 8.1 is non-Core? Provide your answer in table 15.2 by commodity group for the Fiscal Years requested.

None applicable - Table 15.2

Workload and Capabilities, continued

16. Scope of Work Performed

16.1 Indicate the services/functions performed at this activity that are associated with depot maintenance, but not generally classified or considered as integral to the depot maintenance functions.

Service/Function	Description
Explosive Ordnance handling, storage, and outload operations.	**Wharf A - NEW limit of 1.0 million pounds.** **Pier B - NEW limit of 1.95 million pounds.** **Pier C - NEW limit of 1.5 million pounds.** **TC Dock - NEW limit of 1,371 pounds, fuel/defuel capability.** **Open/Burn Open/Detonation Range - Approved Class C disposal site.** **Stationary Demilitarization Furnace - Approved non-RCRA material disposal site.** **Explosive Storage and Maintenance Facilities - Established ESQD arcs are on Government property.** **WPNSTA Charleston has a Coast Guard approved 8,000 foot diameter off-shore explosive anchorage (NEW 1.0 M) to support peak load and surge capacity staging of explosive laden vessels.**

16.2 Describe how these services/functions are related to accomplishment of the depot maintenance mission, and the benefits of these relationships.

Service/Function	Describe Relationship and Benefit to Maintenance Mission
	These services provide essential capabilities for the prepositioning programs operated by the US Army and US Marines at WPNSTA Charleston. These programs require the handling and storage of ordnance commodities, the renovation of ammunition containers, and the outload of explosive laden MILVANs as well as general cargo loads . Established ESQD arcs, cited explosive storage, maintenance and production facilities, and explosive handling piers and Wharfs provide this support.

Workload and Capabilities, continued

17. Interface with Customers

17.1 Indicate any special functions that the depot maintenance function performs that require close interface with customers, such as on-site workloads (e.g. technical assistance, crash/battle damage repairs, modification/upgrade installations).

Service/Function	Describe Required Interface/Relationship/Benefit

Performance of depot level MIL-VAN repair at WPNSTA Charleston where the prepositioning operations for Marine and Army are conducted, allows immediate response to customer requirements for assets. Costs associated with establishing a ready reserve pool of serviceable containers and/or transportation of serviceable units from another site are eliminated. Containers are repaired and returned to serviceable condition within the normal ship maintenance cycle.

MEASURES OF MERIT
Costs [16]

18. Real Property Maintenance (RPM)

18.1 What is your activity's backlog of real property maintenance for facilities performing depot maintenance as of 30 September 1993 (express in $K)?

None

18.2 What were your activity's annual RPM expenses (in $K) for Fiscal Years 1990-1993? Provide your answers in Table 18.2.

Table 18.2: Real Property Maintenance Expenses

	FY 1990	FY 1991	FY 1992	FY 1993
RPM Expenses ($K)	**163.8**	**172.5**	**181.5**	**191.0**

19. Annual Operating Costs (Excludes Materials used in Depot Maintenance Workloads)

19.1 What were the total depot maintenance actual annual operating costs for your activity (AOC/$K), excluding materials, used in depot maintenance workloads for Fiscal Years 1990-1993? What was the cost per direct labor hour ($DLH) for actual executed hours reported in the DBOF? Provide your answers in Table 19.1.a.

Table 19.1: Annual Operating Costs

EXPENSE	FY 1990	FY 1991	FY 1992	FY 1993
AOC ($ K)	**1,287**	**973**	**779**	**1,006**
$ / DLH	**44.10**	**48.49**	**52.48**	**78.87**

[16] There are inherent differences in organizational structure and accounting systems across the Services. Consequently, cost accumulations vary considerably. This severely limits the comparability of the cost per direct labor hour ($/DLH) rates across Service lines.

Costs, continued

20. Environmental Compliance

20.1 What were your total depot maintenance actual and programmed environmental compliance costs (expressed in $K) for Fiscal Years 1990-1997? Provide your answers in Table 20.1.

Table 20.1: Environmental Compliance Costs

COST($K)	FY 1990	FY 1991	FY 1992	FY 1993	FY* 1994	FY 1995	FY 1996	FY 1997
Actual	**	**26**	**28**	**21**	**5**	**N/A**	**N/A**	**N/A**
Programmed	**	**28**	**29**	**26**	**20**	**18**	**17**	**15**

*** FY 94 is as of 4-30-94**
**** Unknown or data unavailable.**

20.2 If spending is accomplished as programmed above, what will be the remaining costs (backlog at the end of Fiscal Year 1997 expressed in $K) to bring existing facilities/equipment into environmental compliance?

N/A Not Applicable

21. Local Wage Rate

21.1 What were your Department of Labor local wage rates for a WG-11, step 3 for Fiscal Years 1991 through 1994?

Table 21.1: Wage Rate

Wage Rate	FY 1991	FY 1992	FY 1993	FY 1994
WG-11 / Step3	**$13.73 ph**	**$14.20 ph**	**14.46 ph**	**$14.77 ph**

Costs, continued

22. Programmed Capital Investments

22.1 How much is programmed for new mission equipment for Fiscal Years 1996 through 1999? Provide your answer (in $K) in Table 22.1.

22.2 How much is programmed for replacement equipment for Fiscal Years 1996 through 1999? Provide your answer (in $K) in Table 22.1.

Table 22.1: Programmed Capital Investments

TYPE	FY 1996	FY 1997	FY 1998	FY 1999
NEW MISSION ($K)	0	0	0	0
REPLACEMENT ($K)	0	0	0	0

WPNSTA CHARLESTON - REVISED DC 25 29 Jul 94

Pg 3-6, 19, 24, 30-33, 35, 39
41-44, 65, 81 83, 6, 21, 22

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

M. J. GERVAIS
NAME (Please type or print)

Signature M J Gervais

Acting Commander
Title

Date 2 AUG 94

Naval Ordnance Center
Activity Atlantic Division

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

R. SUTTON, RADM, USN
NAME (Please type or print)

Signature R Sutton

COMMANDER
Title

Date 5 AUG 94

NAVAL ORDNANCE CENTER
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

S R Stevens
NAME (Please type or print)

Signature S R Stevens

Title Commander

Date 8-11-94

Naval Sea Systems Command
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

J B Greene Jr
NAME (Please type or print)

Signature J. B. GREENE, JR.

Title

Date ACTING

17 AUG 1994

BRAC-95 CERTIFICATION FOR DATA CALL NUMBER 25

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

Revisions to the capacity section have been made to the following pages: 3-6, 19, 24, 30-33, 35, 39, 41-44, 65, 81, 83, and 84.

Revisions to the DLM section have been made to the following pages: 6, 21, and 22.

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

T. B. STARK
NAME (Please type or print)


Signature

COMMANDING OFFICER
Title

29 July 94
Date

NAVAL WEAPONS STATION CHARLESTON
Activity

Enclosure (1)

WPNSTA CHARLESTON - DATA CALL 25 REVISIONS

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

S. W. DELAPLANE
NAME (Please type or print)

Signature

Commander
Title

4 October 1994
Date

Naval Ordnance Center
Activity Atlantic Division

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

R. SUTTON, RADM, USN
NAME (Please type or print)

Signature

COMMANDER
Title

26 Oct 94
Date

NAVAL ORDNANCE CENTER
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

E. S. MCGINLEY, II RADM, USN
NAME (Please type or print)

Signature

Acting Commander
Title

11/4/94
Date

Naval Sea Systems Command
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

W. A. EARNER
NAME (Please type or print)

Signature

Title

11/10/94
Date

BRAC-95 CERTIFICATION FOR DATA CALL NUMBER 25

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

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The following pages have been revised: 6, 80, and 82

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

J. M. SCHUMACHER
NAME (Please type or print)

Signature

COMMANDING OFFICER, ACTING
Title

26 Sep 94
Date

NAVAL WEAPONS STATION CHARLESTON
Activity

Enclosure (1)

R

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

J.M. Evans
NAME (Please type or print)

Signature

CAPT, USN, Commander
Title

16 DEC 1994
Date

Naval Ordnance Center Atlantic Division
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

R. W. CHAMBLISS
NAME (Please type or print)

Signature

ACTING COMMANDER
Title

12/28/94
Date

NAVAL ORDNANCE CENTER
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

G. R. STERNER
NAME (Please type or print)

Signature

Commander
Naval Sea Systems Command
Title

1/3/95
Date

Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

W. A. EARNER
NAME (Please type or print)

Signature

Title

1/19/95
Date

BRAC-95 CERTIFICATION FOR DATA CALL NUMBER 25

Reference: SECNAVNOTE 11000 of 08 December 1993

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This certification covers the revisions made to questions 16.1 and 16.2.

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

T. B. STARK
NAME (Please type or print)

Signature

COMMANDING OFFICER
Title

15 Dec 94
Date

NAVAL WEAPONS STATION CHARLESTON
Activity

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DATA CALL 66
INSTALLATION RESOURCES

Activity Information:

Activity Name:	NAVAL WEAPONS STATION, CHARLESTON, SC
UIC:	00193
Host Activity Name (if response is for a tenant activity):	
Host Activity UIC:	

General Instructions/Background. A separate response to this data call must be completed for each Department of the Navy (DON) host, independent and tenant activity which separately budgets BOS costs (regardless of appropriation), and, is located in the United States, its territories or possessions.

1. **Base Operating Support (BOS) Cost Data.** Data is required which captures the total annual cost of operating and maintaining Department of the Navy (DON) shore installations. Information must reflect FY 1996 budget data supporting the FY 1996 NAVCOMPT Budget Submit. Two tables are provided. Table 1A identifies "Other than DBOF Overhead" BOS costs and Table 1B identifies "DBOF Overhead" BOS costs. These tables must be completed, as appropriate, for all DON host, independent or tenant activities which separately budget BOS costs (regardless of appropriation), and, are located in the United States, its territories or possessions. Responses for DBOF activities may need to include both Table 1A and 1B to ensure that all BOS costs, including those incurred by the activity in support of tenants, are identified. If both table 1A and 1B are submitted for a single DON activity, please ensure that no data is double counted (that is, included on both Table 1A and 1B). The following tables are designed to collect all BOS costs currently budgeted, regardless of appropriation, e.g., Operations and Maintenance, Research and Development, Military Personnel, etc. Data must reflect FY 1996 and should be reported in thousands of dollars.

a. Table 1A - Base Operating Support Costs (Other Than DBOF Overhead). This Table should be completed to identify "Other Than DBOF Overhead" Costs. Display, in the format shown on the table, the O&M, R&D and MPN resources currently budgeted for BOS services. O&M cost data must be consistent with data provided on the BS-1 exhibit. Report only direct funding for the activity. Host activities should not include reimbursable support provided to tenants, since tenants will be separately reporting these

costs. Military personnel costs should be included on the appropriate lines of the table. Please ensure that individual lines of the table do not include duplicate costs. Add additional lines to the table (following line 2j., as necessary, to identify any additional cost elements not currently shown). **Leave shaded areas of table blank.**

Table 1A - Base Operating Support Costs (Other Than DBOF Overhead)

Activity Name: NAVAL WEAPONS STATION, CHARLESTON, SC		**UIC:** 00193	
Category	**FY 1996 BOS Costs ($000)**		
	Non-Labor	**Labor**	**Total**
1. Real Property Maintenance Costs:			
1a. Maintenance and Repair	0	0	0
1b. Minor Construction	0	0	0
1c. Sub-total 1a. and 1b.			
2. Other Base Operating Support Costs:			
2a. Utilities	18	0	18
2b. Transportation	0	0	0
2c. Environmental	0	0	0
2d. Facility Leases	0	0	0
2e. Morale, Welfare & Recreation	269	657	926
2f. Bachelor Quarters	367	0	367
2g. Child Care Centers	291	829	1120
2h. Family Service Centers	0	0	0
2i. Administration	0	0	0

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DATA CALL 66
INSTALLATION RESOURCES

2i. Administration	0	0	0
2j. Other (Specify) Fire & Police Protection	11	5544	5555
2k. Sub-total 2a. through 2j:	956	7030	7986
3. Grand Total (sum of 1c. and 2k.):	956	7030	7986

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INSTALLATION RESOURCES

2j. Other (Specify) Fire & Police Protection	11	5544	5555
2k. Sub-total 2a. through 2j:	956	7030	7986
3. Grand Total (sum of 1c. and 2k.):	956	7030	79863

b. Funding Source. If data shown on Table 1A reflects more than one appropriation, then please provide a break out of the total shown for the "3. Grand-Total" line, by appropriation:

Appropriation	Amount ($000)

c. Table 1B - Base Operating Support Costs (DBOF Overhead). This Table should be submitted for all current DBOF activities. Costs reported should reflect BOS costs supporting the DBOF activity itself (usually included in the G&A cost of the activity). For DBOF activities which are tenants on another installation, total cost of BOS incurred by the tenant activity for itself should be shown on this table. It is recognized that differences exist among DBOF activity groups regarding the costing of base operating support: some groups reflect all such costs only in general and administrative (G&A), while others spread them between G&A and production overhead. Regardless of the costing process, all such costs should be included on Table 1B. The Minor Construction portion of the FY 1996 capital budget should be included on the appropriate line. Military personnel costs (at civilian equivalency rates) should also be included on the appropriate lines of the table. Please ensure that individual lines of the table do not include duplicate costs. Also ensure that there is no duplication between data provided on Table 1A. and 1B. These two tables must be mutually exclusive, since in those cases where both tables are submitted for an activity, the two tables will be added together to estimate total BOS costs at the activity. Add additional lines to the table (following line 21., as necessary, to identify any additional cost elements not currently shown). **Leave shaded areas of table blank.**

Other Notes: All costs of operating the five Major Range Test Facility Bases at DBOF activities (even if direct RDT&E funded) should be included on Table 1B. Weapon Stations should include underutilized plant capacity costs as a DBOF overhead "BOS expense" on Table 1B..

DATA CALL 66
INSTALLATION RESOURCES

Table 1B - Base Operating Support Costs (DBOF Overhead)			
Activity Name: NAVAL WEAPONS STATION, CHARLESTON, SC		**UIC:** 00193	
Category	**FY 1996 Net Cost From UC/FUMD-4 ($000)**		
	Non-Labor	**Labor**	**Total**
1. Real Property Maintenance Costs:			
1a. Real Property Maintenance (>$15K)	1821	0	1821
1b. Real Property Maintenance (<$15K)	1852	0	1852
1c. Minor Construction (Expensed)	127	0	127
1d. Minor Construction (Capital Budget)	600	0	600
1e. Sub-total 1a. through 1d.	4400	0	4400
2. Other Base Operating Support Costs:			
2a. Command Office	803	687	1490
2b. ADP Support	1482	320	1802
2c. Equipment Maintenance	230	216	446
2d. Civilian Personnel Services	0	0	0
2e. Accounting/Finance	0	0	0
2f. Utilities	1859	0	1859
2g. Environmental Compliance	11	200	211
2h. Police and Fire	(1037)	1359	322
2i. Safety	(1315)	396	(919)
2j. Supply and Storage Operations	102	449	551
2k. Major Range Test Facility Base Costs	0	0	0
2l. Other (Specify) Military Labor, Assessments, FECA, Transfers	(1921)	589	(1332)
2m. Sub-total 2a. through 2l:	214	4216	4430
3. Depreciation	767	0	767
4. Grand Total (sum of 1c., 2m., and 3.) :	5381	4216	9597

Note: The non-labor cost for items 2h, 2i, and 2l are negative due to Public Works converting to a production cost center in FY95.

DATA CALL 66
INSTALLATION RESOURCES

2. Services/Supplies Cost Data. The purpose of Table 2 is to provide information about projected **FY 1996** costs for the purchase of services and supplies by the activity. **(Note: Unlike Question 1 and Tables 1A and 1B, above, this question is not limited to overhead costs.)** The source for this information, where possible, should be either the NAVCOMPT OP-32 Budget Exhibit for O&M activities or the NAVCOMPT UC/FUND-1/IF-4 exhibit for DBOF activities. Information must reflect FY 1996 budget data supporting the FY 1996 NAVCOMPT Budget Submit. Break out cost data by the major sub-headings identified on the OP-32 or UC/FUND-1/IF-4 exhibit, disregarding the sub-headings on the exhibit which apply to civilian and military salary costs and depreciation. Please note that while the OP-32 exhibit aggregates information by budget activity, this data call requests OP-32 data for the activity responding to the data call. Refer to NAVCOMPTINST 7102.2B of 23 April 1990, Subj: Guidance for the Preparation, Submission and Review of the Department of the Navy (DON) Budget Estimates (DON Budget Guidance Manual) with Changes 1 and 2 for more information on categories of costs identified. Any rows that do not apply to your activity may be left blank. However, totals reported should reflect all costs, exclusive of salary and depreciation.

Table 2 - Services/Supplies Cost Data	
Activity Name: NAVAL WEAPONS STATION, CHARLESTON, SC	**UIC:** 00193

Cost Category	FY 1996 Projected Costs ($000)
Travel:	475
Material and Supplies (including equipment):	7542
Industrial Fund Purchases (other DBOF purchases):	3600
Transportation:	31
Other Purchases (Contract support, etc.):	31829
Total:	43477

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DATA CALL 66
INSTALLATION RESOURCES

3. Contractor Workyears.

a. On-Base Contract Workyear Table. Provide a projected estimate of the number of contract workyears expected to be **performed "on base"** in support of the installation during FY 1996. Information should represent an annual estimate on a full-time equivalency basis. Several categories of contract support have been identified in the table below. While some of the categories are self-explanatory, please note that the category "mission support" entails management support, labor service and other mission support contracting efforts, e.g., aircraft maintenance, RDT&E support, technical services in support of aircraft and ships, etc.

Table 3 - Contract Workyears

Activity Name: NAVAL WEAPONS STATION, CHARLESTON, SC	**UIC:** 00193	
Contract Type	**FY 1996 Estimated Number of Workyears On-Base**	
Construction:	0	
Facilities Support:	53.0	R
Mission Support:	44.0	R
Procurement:	0	
Other:*	0	
Total Workyears:	97.0	R

*** Note:** Provide a brief narrative description of the type(s) of contracts, if any, included under the "Other" category.

Mission Support (direct) contractor workyears were taken from the Workload Information System. Facilities Support (indirect) contractor workyears were calculated by substracting the assessments (taxes) from total indirect contract dollars, then multiplying the balance by 30% and dividing by $50,000 per workyear.

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DATA CALL 66
INSTALLATION RESOURCES

3. Contractor Workyears.

a. On-Base Contract Workyear Table. Provide a projected estimate of the number of contract workyears expected to be **performed "on base"** in support of the installation during FY 1996. Information should represent an annual estimate on a full-time equivalency basis. Several categories of contract support have been identified in the table below. While some of the categories are self-explanatory, please note that the category "mission support" entails management support, labor service and other mission support contracting efforts, e.g., aircraft maintenance, RDT&E support, technical services in support of aircraft and ships, etc.

Table 3 - Contract Workyears

Activity Name: NAVAL WEAPONS STATION, CHARLESTON, SC	**UIC:** 00193
Contract Type	**FY 1996 Estimated Number of Workyears On-Base**
Construction:	0
Facilities Support:	32.0
Mission Support:	12.0
Procurement:	0
Other:*	0
Total Workyears:	44.0

*** Note:** Provide a brief narrative description of the type(s) of contracts, if any, included under the "Other" category.

Mission Support (direct) contractor workyears were taken from the Workload Information System. Facilities Support (indirect) contractor workyears were calculated by substracting the assessments (taxes) from total indirect contract dollars, then multiplying the balance by 30% and dividing by $50,000 per workyear.

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DATA CALL 66
INSTALLATION RESOURCES

b. Potential Disposition of On-Base Contract Workyears. If the mission/functions of your activity were relocated to another site, what would be the anticipated disposition of the **on-base contract workyears** identified in Table 3.?

1) Estimated number of contract workyears which would be transferred to the receiving site (This number should reflect the number of jobs which would in the future be contracted for at the receiving site, not an estimate of the number of people who would move or an indication that work would necessarily be done by the same contractor(s)):

97.0 R

2) Estimated number of workyears which would be eliminated:

none

3) Estimated number of contract workyears which would remain in place (i.e., contract would remain in place in current location even if activity were relocated outside of the local area):

none

REVISION 31 August 1994

b. Potential Disposition of On-Base Contract Workyears. If the mission/functions of your activity were relocated to another site, what would be the anticipated disposition of the **on-base contract workyears** identified in Table 3.?

1) Estimated number of contract workyears which would be transferred to the receiving site (This number should reflect the number of jobs which would in the future be contracted for at the receiving site, not an estimate of the number of people who would move or an indication that work would necessarily be done by the same contractor(s)):

44.0

2) Estimated number of workyears which would be eliminated:

none

3) Estimated number of contract workyears which would remain in place (i.e., contract would remain in place in current location even if activity were relocated outside of the local area):

none

c. "Off-Base" Contract Workyear Data. Are there any contract workyears located in the local community, but not on-base, which would either be eliminated or relocated if your activity were to be closed or relocated? If so, then provide the following information **(ensure that numbers reported below do not double count numbers included in 3.a. and 3.b., above):**

none

No. of Additional Contract Workyears Which Would Be Eliminated	General Type of Work Performed on Contract (e.g., engineering support, technical services, etc.)

No. of Additional Contract Workyears Which Would Be Relocated	General Type of Work Performed on Contract (e.g., engineering support, technical services, etc.)

DATA CALL 66 INSTALLATION RESOURCES WPNSTA CHARLESTON

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

D. N. HILL
NAME (Please type or print)

Signature

Acting Commander
Title

7/29/94
Date

Naval Ordnance Center
Activity Atlantic Division

WPNSTA CHARLESTON - DATA CALL 66

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

J. W. EYER
NAME (Please type or print)
ACTING COMMANDER
Title
NAVAL ORDNANCE CENTER
Activity

Signature
8/1/94
Date

~~I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.~~

~~NEXT ECHELON LEVEL (if applicable)~~

~~NAME (Please type or print)~~
~~Title~~
~~Activity~~

~~Signature~~
~~Date~~

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

G. R. STERNER
NAME (Please type or print)
Title [illegible]
Systems Command
Activity

Signature
8-15-94
Date

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

J. B. GREENE, JR.
NAME (Please type or print)
ACTING

Signature
22 AUG 1994

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DATA CALL 66 INSTALLATION RESOURCES WPNSTA CHARLESTON

REVISION 31 AUGUST 1994

102 R

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

R. SUTTON, RADM, USN
NAME (Please type or print)

Signature

COMMANDER
Title

9/14/94
Date

NAVAL ORDNANCE CENTER
Activity

~~I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.~~

~~NEXT ECHELON LEVEL (if applicable)~~

NAME (Please type or print)

Signature

Title

Date

Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

9-21-94
Date

Title
G. R. STERNER
Commander
Naval Sea Systems Command
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

W. A. EARNER
NAME (Please type or print)

Signature

10/5/94

DATA CALL 66 INSTALLATION RESOURCES
WPNSTA CHARLESTON
REVISION 31 August 1994

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

S.W. DELAPLANE — 
NAME (Please type or print) — Signature

COMMANDER — SEPT 7, 1994
Title — Date

NAVAL ORDNANCE CENTER
ATLANTIC DIVISION
Activity

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DATA CALL 64

CONSTRUCTION COST AVOIDANCES

Table 1: Military Construction (MILCON) Projects (Excluding Family Housing Construction Projects)

Installation Name:	**CHARLESTON SC NWS**
Unit Identification Code (UIC):	**N00193** #102
Major Claimant:	**NAVSEA**

Project FY	Project No.	Description	Appn	Project Cost Avoid ($000)
1998	668	BARRICADED RAILRDCAR SDNGS	MCON	13,000
		Sub-Total - 1998		**13,000**
1999	842	RAILROAD/TRUCK RECV STA	MCON	2,700
		Sub-Total - 1999		**2,700**
2000	749	ORDNANCE TRANSHIP SPT FAC	MCON	650
		Sub-Total - 2000		**650**
		Grand Total		**16,350**

BRAC DATA CALL NUMBER 64
CONSTRUCTION COST AVOIDANCE

Information on cost avoidance which could be realized as the result of cancellation of on-going or programmed construction projects is provided in Tables 1 (MILCON) and 2 (FAMILY HOUSING). These tables list MILCON/FAMILY HOUSING projects which fall within the following categories:

1. all programmed construction projects included in the FY1996 - 2001 MILCON/FAMILY HOUSING Project List,

2. all programmed projects from FY1995 or earlier for which cost avoidance could still be obtained if the project were to be canceled by 1 OCT 1995, and,

3. all programmed BRAC MILCON/FAMILY HOUSING projects for which cost avoidance could still be obtained if the project were to be canceled by 1 OCT 1995.

Projects listed in Tables 1 and 2 with potential cost avoidance were determined as meeting any one of the following criteria:

Projects with projected Work in Place (WIP) less than 75% of the Current Working Estimate (CWE) as of 1 OCT 1995 .

Projects with projected completion dates or Beneficial Occupancy Dates subsequent to 31 March 1996.

Projects with projected CWE amount greater than $15M.

The estimated cost avoidance for projects terminated after construction award would be approximately one-half of the CWE for the remaining work. Close-out, claims and other termination costs can consume the other half.

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DATA CALL 64

CONSTRUCTION COST AVOIDANCES

Table 1: Military Construction (MILCON) Projects (Excluding Family Housing Construction Projects)

Installation Name:	**CHARLESTON SC NWS**
Unit Identification Code (UIC):	**N00193**
Major Claimant:	**NAVSEA**

Project FY	Project No.	Description	Appn	Project Cost Avoid ($000)
1995	054T	MINE RECOVERY OPS AND SUPPORT FACILITY	BRAC	1,480
		Sub-Total - 1995		**1,480**
1998	668	BARRICADED RAILRDCAR SDNGS	MCON	13,000
		Sub-Total - 1998		**13,000**
1999	842	RAILROAD/TRUCK RECV STA	MCON	2,700
		Sub-Total - 1999		**2,700**
2000	749	ORDNANCE TRANSHIP SPT FAC	MCON	650
		Sub-Total - 2000		**650**
		Grand Total		**17,830**

(Revised 9 Dec 94) *(* - Cost Avoidance is less than project programmed amount)*

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

J. E. BUFFINGTON, RADM, CEC, USN
NAME (Please type or print)

Signature

COMMANDER
Title

12/9/94
Date

NAVAL FACILITIES ENGINEERING COMMAND
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

W. A. EARNER
NAME (Please type or print)

Signature

Title

12/9/94
Date

BRAC-95 CERTIFICATION

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MICHAEL D. THORNTON
NAME (Please type or print)

Signature

CDR, CEC, USN
Title

9 Dec 94
Date

MILCON PROGRAMMING DIVISION
Division

NAVAL FACILITIES ENGINEERING COMMAND
Activity

Document Separator

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DATA CALL 66 UIC: 43350
INSTALLATION RESOURCES

Activity Information:

Activity Name:	PERSUPPDET WPNSTA Charleston
UIC:	43350
Host Activity Name (if response is for a tenant activity):	Naval Weapons Station, Charleston
Host Activity UIC:	00193

General Instructions/Background. A separate response to this data call must be completed for each Department of the Navy (DON) host, independent and tenant activity which separately budgets BOS costs (regardless of appropriation), and, is located in the United States, its territories or possessions.

1. **Base Operating Support (BOS) Cost Data.** Data is required which captures the total annual cost of operating and maintaining Department of the Navy (DON) shore installations. Information must reflect FY 1996 budget data supporting the FY 1996 NAVCOMPT Budget Submit. Two tables are provided. Table 1A identifies "Other than DBOF Overhead" BOS costs and Table 1B identifies "DBOF Overhead" BOS costs. These tables must be completed, as appropriate, for all DON host, independent or tenant activities which separately budget BOS costs (regardless of appropriation), and, are located in the United States, its territories or possessions. Responses for DBOF activities may need to include both Table 1A and 1B to ensure that all BOS costs, including those incurred by the activity in support of tenants, are identified. If both table 1A and 1B are submitted for a single DON activity, please ensure that no data is double counted (that is, included on both Table 1A and 1B). The following tables are designed to collect all BOS costs currently budgeted, regardless of appropriation, e.g., Operations and Maintenance, Research and Development, Military Personnel, etc. Data must reflect FY 1996 and should be reported in thousands of dollars.

a. **Table 1A - Base Operating Support Costs (Other Than DBOF Overhead).** This Table should be completed to identify "Other Than DBOF Overhead" Costs. Display, in the format shown on the table, the O&M, R&D and MPN resources currently budgeted for BOS services. O&M cost data must be consistent with data provided on the BS-1 exhibit. Report only direct funding for the activity. Host activities should not include reimbursable support provided to tenants, since tenants will be separately reporting these costs. Military personnel costs should be included on the appropriate lines of the table. Please ensure that individual lines of the table do not include duplicate costs. Add additional

lines to the table (following line 2j., as necessary, to identify any additional cost elements not currently shown). Leave shaded areas of table blank.

Table 1A - Base Operating Support Costs (Other Than DBOF Overhead)			
Activity Name: PERSUPPDET WPNSTA Charleston		UIC: 43350	
Category	FY 1996 BOS Costs ($000)		
	Non-Labor	Labor	Total
1. Real Property Maintenance Costs:			
1a. Maintenance and Repair			
1b. Minor Construction			
1c. Sub-total 1a. and 1b.			
2. Other Base Operating Support Costs:			
2a. Utilities			
2b. Transportation			
2c. Environmental			
2d. Facility Leases			
2e. Morale, Welfare & Recreation			
2f. Bachelor Quarters			
2g. Child Care Centers			
2h. Family Service Centers			
2i. Administration	88	612	700
2j. Other (Specify)[1]	22	375	397
2k. Sub-total 2a. through 2j:	110	987	1097
3. Grand Total (sum of 1c. and 2k.):	110	987	1097

[1]Other Base Support

b. Funding Source. If data shown on Table 1A reflects more than one appropriation, then please provide a break out of the total shown for the "3. Grand-Total" line, by appropriation:

Appropriation	Amount ($000)
O&MN	356
MPN	551
RPN	190

c. Table 1B - Base Operating Support Costs (DBOF Overhead). This Table should be submitted for all current DBOF activities. Costs reported should reflect BOS costs supporting the DBOF activity itself (usually included in the G&A cost of the activity). For DBOF activities which are tenants on another installation, total cost of BOS incurred by the tenant activity for itself should be shown on this table. It is recognized that differences exist among DBOF activity groups regarding the costing of base operating support: some groups reflect all such costs only in general and administrative (G&A), while others spread them between G&A and production overhead. Regardless of the costing process, all such costs should be included on Table 1B. The Minor Construction portion of the FY 1996 capital budget should be included on the appropriate line. Military personnel costs (at civilian equivalency rates) should also be included on the appropriate lines of the table. Please ensure that individual lines of the table do not include duplicate costs. Also ensure that there is no duplication between data provided on Table 1A. and 1B. These two tables must be mutually exclusive, since in those cases where both tables are submitted for an activity, the two tables will be added together to estimate total BOS costs at the activity. Add additional lines to the table (following line 21., as necessary, to identify any additional cost elements not currently shown). **Leave shaded areas of table blank.**

Other Notes: All costs of operating the five Major Range Test Facility Bases at DBOF activities (even if direct RDT&E funded) should be included on Table 1B. Weapon Stations should include underutilized plant capacity costs as a DBOF overhead "BOS expense" on Table 1B..

DATA CALL 66 UIC: 43350
INSTALLATION RESOURCES

Table 1B - Base Operating Support Costs (DBOF Overhead)			
Activity Name: N/A; not a DBOF Activity		UIC: 43350	
Category	FY 1996 Net Cost From UC/FUND-4 ($000)		
	Non-Labor	Labor	Total
1. Real Property Maintenance Costs:			
1a. Real Property Maintenance (> $15K)			
1b. Real Property Maintenance (< $15K)			
1c. Minor Construction (Expensed)			
1d. Minor Construction (Capital Budget)			
1c. Sub-total 1a. through 1d.			
2. Other Base Operating Support Costs:			
2a. Command Office			
2b. ADP Support			
2c. Equipment Maintenance			
2d. Civilian Personnel Services			
2e. Accounting/Finance			
2f. Utilities			
2g. Environmental Compliance			
2h. Police and Fire			
2i. Safety			
2j. Supply and Storage Operations			
2k. Major Range Test Facility Base Costs			
2l. Other (Specify)			
2m. Sub-total 2a. through 2l:			
3. Depreciation			
4. Grand Total (sum of 1c., 2m., and 3.) :			

DATA CALL 66 UIC: 43350
INSTALLATION RESOURCES

2. Services/Supplies Cost Data. The purpose of Table 2 is to provide information about projected FY 1996 costs for the purchase of services and supplies by the activity. **(Note: Unlike Question 1 and Tables 1A and 1B, above, this question is not limited to overhead costs.)** The source for this information, where possible, should be either the NAVCOMPT OP-32 Budget Exhibit for O&M activities or the NAVCOMPT UC/FUND-1/IF-4 exhibit for DBOF activities. Information must reflect FY 1996 budget data supporting the FY 1996 NAVCOMPT Budget Submit. Break out cost data by the major sub-headings identified on the OP-32 or UC/FUND-1/IF-4 exhibit, disregarding the sub-headings on the exhibit which apply to civilian and military salary costs and depreciation. Please note that while the OP-32 exhibit aggregates information by budget activity, this data call requests OP-32 data for the activity responding to the data call. Refer to NAVCOMPTINST 7102.2B of 23 April 1990, Subj: Guidance for the Preparation, Submission and Review of the Department of the Navy (DON) Budget Estimates (DON Budget Guidance Manual) with Changes 1 and 2 for more information on categories of costs identified. Any rows that do not apply to your activity may be left blank. However, totals reported should reflect all costs, exclusive of salary and depreciation.

Table 2 - Services/Supplies Cost Data	
Activity Name: PERSUPPDET WPNSTA Charleston	**UIC: 43350**
Cost Category	**FY 1996 Projected Costs ($000)**
Travel:	1
Material and Supplies (including equipment):	101
Industrial Fund Purchases (other DBOF purchases):	
Transportation:	
Other Purchases (Contract support, etc.):	8
Total:	110

3. Contractor Workyears.

a. **On-Base Contract Workyear Table.** Provide a projected estimate of the number of contract workyears expected to be **performed "on base"** in support of the installation during FY 1996. Information should represent an annual estimate on a full-time equivalency basis. Several categories of contract support have been identified in the table below. While some of the categories are self-explanatory, please note that the category "mission support" entails management support, labor service and other mission support contracting efforts, e.g., aircraft maintenance, RDT&E support, technical services in support of aircraft and ships, etc.

Table 3 - Contract Workyears	
Activity Name:PERSUPPDET WPNSTA Charleston	**UIC: 43350**
Contract Type	**FY 1996 Estimated Number of Workyears On-Base**
Construction:	
Facilities Support:	
Mission Support:	
Procurement:	
Other:*	
Total Workyears:	0

* **Note:** Provide a brief narrative description of the type(s) of contracts, if any, included under the "Other" category.

b. Potential Disposition of On-Base Contract Workyears. If the mission/functions of your activity were relocated to another site, what would be the anticipated disposition of the **on-base contract workyears** identified in Table 3.?

1) Estimated number of contract workyears which would be transferred to the receiving site (This number should reflect the number of jobs which would in the future be contracted for at the receiving site, not an estimate of the number of people who would move or an indication that work would necessarily be done by the same contractor(s)):

N/A; no contract workyears

2) Estimated number of workyears which would be eliminated:

N/A; no contract workyears

3) Estimated number of contract workyears which would remain in place (i.e., contract would remain in place in current location even if activity were relocated outside of the local area):

N/A; no contract workyears

c. "Off-Base" Contract Workyear Data. Are there any contract workyears located in the local community, but not on-base, which would either be eliminated or relocated if your activity were to be closed or relocated? If so, then provide the following information **(ensure that numbers reported below do not double count numbers included in 3.a. and 3.b., above)**: No.

No. of Additional Contract Workyears Which Would Be Eliminated	General Type of Work Performed on Contract (e.g., engineering support, technical services, etc.)
None	

No. of Additional Contract Workyears Which Would Be Relocated	General Type of Work Performed on Contract (e.g., engineering support, technical services, etc.)
None	

PSA JACKSONVILLE UIC N68585
DATA CALL SIXTY-SIX

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

NAME (Please type or print) _____ Signature _____

Title _____ Date _____

Activity _____

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

NAME (Please type or print) _____ Signature _____

Title _____ Date _____

Activity _____

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

RADM H. W. GEHMAN, JR. H. W. Gehman
NAME (Please type or print) Signature

Acting 15 AUG 1994
Title Commander in Chief Date
U.S. Atlantic Fleet
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

W.A. EARNER III W A Earner
NAME (Please type or print) Signature

8/1/94
Title Date

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

D. V. VAN SAUN — Doris V VanSaun
NAME (Please type or print) — Signature

Commanding Officer, Acting — 8/2/94
Title — Date

Personnel Support Activity, Jacksonville
Activity

ENCL (2)

Document Separator

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DATA CALL 66
INSTALLATION RESOURCES

Activity Information:

Activity Name:	MARS District, Charleston, SC
UIC:	N41306
Host Activity Name (if response is for a tenant activity):	Naval Weapons Station Charleston, SC Goose Creek Annex
Host Activity UIC:	N00193

General Instructions/Background. A separate response to this data call must be completed for each Department of the Navy (DON) host, independent and tenant activity which separately budgets BOS costs (regardless of appropriation), and, is located in the United States, its territories or possessions.

1. Base Operating Support (BOS) Cost Data. Data is required which captures the total annual cost of operating and maintaining Department of the Navy (DON) shore installations. Information must reflect FY 1996 budget data supporting the FY 1996 NAVCOMPT Budget Submit. Two tables are provided. Table 1A identifies "Other than DBOF Overhead" BOS costs and Table 1B identifies "DBOF Overhead" BOS costs. These tables must be completed, as appropriate, for all DON host, independent or tenant activities which separately budget BOS costs (regardless of appropriation), and, are located in the United States, its territories or possessions. Responses for DBOF activities may need to include both Table 1A and 1B to ensure that all BOS costs, including those incurred by the activity in support of tenants, are identified. If both table 1A and 1B are submitted for a single DON activity, please ensure that no data is double counted (that is, included on both Table 1A and 1B). The following tables are designed to collect all BOS costs currently budgeted, regardless of appropriation, e.g., Operations and Maintenance, Research and Development, Military Personnel, etc. Data must reflect FY 1996 and should be reported in thousands of dollars.

a. Table 1A - **Base Operating Support Costs (Other Than DBOF Overhead).** This Table should be completed to identify "Other Than DBOF Overhead" Costs. Display, in the format shown on the table, the O&M, R&D and MPN resources currently budgeted for BOS services. O&M cost data must be consistent with data provided on the BS-1 exhibit. Report only direct funding for the activity. Host activities should not include reimbursable support provided to tenants, since tenants will be separately reporting these costs. Military personnel costs should be included on the appropriate lines of the table. Please ensure that individual lines of the table do not include duplicate costs. Add additional lines to the table (following line 2j., as necessary, to identify any additional cost elements not currently shown). Leave shaded areas of table blank.

DATA CALL 66
INSTALLATION RESOURCES

Table 1A - Base Operating Support Costs (Other Than DBOF Overhead)			
Activity Name:		**UIC:**	
Category	**FY 1996 BOS Costs ($000)**		
	Non-Labor	**Labor**	**Total**
1. Real Property Maintenance Costs:			
1a. Maintenance and Repair			
1b. Minor Construction			
1c. Sub-total 1a. and 1b.			
2. Other Base Operating Support Costs:			
2a. Utilities(Phone 14, Sewer .2, Elec 1.8, Water .2	16.2		16.2
2b. Transportation			
2c. Environmental			
2d. Facility Leases			
2e. Morale, Welfare & Recreation			
2f. Bachelor Quarters			
2g. Child Care Centers			
2h. Family Service Centers			
2i. Administration			
2j. Other (Specify)			
2k. Sub-total 2a. through 2j:	16.2		16.2
3. Grand Total (sum of 1c. and 2k.):	16.2		16.2

b. Funding Source. If data shown on Table 1A reflects more than one appropriation, then please provide a break out of the total shown for the "3. Grand-Total" line, by appropriation:

Appropriation	Amount ($000)

c. Table 1B - Base Operating Support Costs (DBOF Overhead). This Table should be submitted for all current DBOF activities. Costs reported should reflect BOS costs supporting the DBOF activity itself (usually included in the G&A cost of the activity). For DBOF activities which are tenants on another installation, total cost of BOS incurred by the tenant activity for itself should be shown on this table. It is recognized that differences exist among DBOF activity groups regarding the costing of base operating support: some groups reflect all such costs only in general and administrative (G&A), while others spread them between G&A and production overhead. Regardless of the costing process, all such costs should be included on Table 1B. The Minor Construction portion of the FY 1996 capital budget should be included on the appropriate line. Military personnel costs (at civilian equivalency rates) should also be included on the appropriate lines of the table. Please ensure that individual lines of the table do not include duplicate costs. Also ensure that there is no duplication between data provided on Table 1A. and 1B. These two tables must be mutually exclusive, since in those cases where both tables are submitted for an activity, the two tables will be added together to estimate total BOS costs at the activity. Add additional lines to the table (following line 21., as necessary, to identify any additional cost elements not currently shown). **Leave shaded areas of table blank.**

Other Notes: All costs of operating the five Major Range Test Facility Bases at DBOF activities (even if direct RDT&E funded) should be included on Table 1B. Weapon Stations should include underutilized plant capacity costs as a DBOF overhead "BOS expense" on Table 1B..

DATA CALL 66
INSTALLATION RESOURCES

Table 1B - Base Operating Support Costs (DBOF Overhead)			
Activity Name: MARS District, Charleston, SC		**UIC: N41306**	
Category	**FY 1996 Net Cost From UC/FUND-4 ($000)**		
	Non-Labor	**Labor**	**Total**
1. Real Property Maintenance Costs:			
1a. Real Property Maintenance (>$15K)			
1b. Real Property Maintenance (<$15K)			
1c. Minor Construction (Expensed)			
1d. Minor Construction (Capital Budget)			
1c. Sub-total 1a. through 1d.			
2. Other Base Operating Support Costs:			
2a. Command Office			
2b. ADP Support			
2c. Equipment Maintenance			
2d. Civilian Personnel Services			
2e. Accounting/Finance			
2f. Utilities			
2g. Environmental Compliance			
2h. Police and Fire			
2i. Safety			
2j. Supply and Storage Operations			
2k. Major Range Test Facility Base Costs			
2l. Other (Specify)			
2m. Sub-total 2a. through 2l:			
3. Depreciation			
4. Grand Total (sum of 1c., 2m., and 3.) :	**0**	**0**	**0**

DATA CALL 66
INSTALLATION RESOURCES

2. Services/Supplies Cost Data. The purpose of Table 2 is to provide information about projected **FY 1996** costs for the purchase of services and supplies by the activity. **(Note: Unlike Question 1 and Tables 1A and 1B, above, this question is not limited to overhead costs.)** The source for this information, where possible, should be either the NAVCOMPT OP-32 Budget Exhibit for O&M activities or the NAVCOMPT UC/FUND-1/IF-4 exhibit for DBOF activities. Information must reflect FY 1996 budget data supporting the FY 1996 NAVCOMPT Budget Submit. Break out cost data by the major sub-headings identified on the OP-32 or UC/FUND-1/IF-4 exhibit, disregarding the sub-headings on the exhibit which apply to civilian and military salary costs and depreciation. Please note that while the OP-32 exhibit aggregates information by budget activity, this data call requests OP-32 data for the activity responding to the data call. Refer to NAVCOMPTINST 7102.2B of 23 April 1990, Subj: Guidance for the Preparation, Submission and Review of the Department of the Navy (DON) Budget Estimates (DON Budget Guidance Manual) with Changes 1 and 2 for more information on categories of costs identified. Any rows that do not apply to your activity may be left blank. However, totals reported should reflect all costs, exclusive of salary and depreciation.

Table 2 - Services/Supplies Cost Data	
Activity Name: MARS District, Charleston, SC	**UIC: N41306**
Cost Category	**FY 1996 Projected Costs ($000)**
Travel:	.9
Material and Supplies (including equipment):	
Industrial Fund Purchases (other DBOF purchases):	
Transportation:	
Other Purchases (Contract support, etc.):	.7
Total:	1.6

DATA CALL 66
INSTALLATION RESOURCES

3. Contractor Workyears.

a. On-Base Contract Workyear Table. Provide a projected estimate of the number of contract workyears expected to be **performed "on base"** in support of the installation during FY 1996. Information should represent an annual estimate on a full-time equivalency basis. Several categories of contract support have been identified in the table below. While some of the categories are self-explanatory, please note that the category "mission support" entails management support, labor service and other mission support contracting efforts, e.g., aircraft maintenance, RDT&E support, technical services in support of aircraft and ships, etc. **N/A**

Table 3 - Contract Workyears	
Activity Name:	**UIC:**
Contract Type	**FY 1996 Estimated Number of Workyears On-Base**
Construction:	
Facilities Support:	
Mission Support:	
Procurement:	
Other:*	
Total Workyears:	

* **Note:** Provide a brief narrative description of the type(s) of contracts, if any, included under the "Other" category.

b. Potential Disposition of On-Base Contract Workyears. If the mission/functions of your activity were relocated to another site, what would be the anticipated disposition of the on-base contract workyears identified in Table 3.?

1) Estimated number of contract workyears which would be transferred to the receiving site (This number should reflect the number of jobs which would in the future be contracted for at the receiving site, not an estimate of the number of people who would move or an indication that work would necessarily be done by the same contractor(s)):

N/A

2) Estimated number of workyears which would be eliminated:

N/A

3) Estimated number of contract workyears which would remain in place (i.e., contract would remain in place in current location even if activity were relocated outside of the local area):

N/A

DATA CALL 66
INSTALLATION RESOURCES

c. "Off-Base" Contract Workyear Data. Are there any contract workyears located in the local community, but not on-base, which would either be eliminated or relocated if your activity were to be closed or relocated? If so, then provide the following information **(ensure that numbers reported below do not double count numbers included in 3.a. and 3.b., above):**

No. of Additional Contract Workyears Which Would Be Eliminated	General Type of Work Performed on Contract (e.g., engineering support, technical services, etc.)
0	

No. of Additional Contract Workyears Which Would Be Relocated	General Type of Work Performed on Contract (e.g., engineering support, technical services, etc.)
0	

INSTALLATION RESOURCES, DATA CALL 66 for COMNAVCOMTELCOM

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

NAME (Please type or print) _____ Signature _____

Title _____ Date _____

Activity _____

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

(Please type or print) _____ Signature _____ Name

Title _____ Date _____

Activity _____

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

T. A. STARK
Name (Please type or print)

T. A. Stark
Signature

Commander,
Title

25 Aug 1994
Date

Naval Computer and Telecommunications Command
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

W. A. EARNER
NAME (Please type or print)

W A Earner
Signature

Title

9/6/94
Date

Enclosure (2)

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DATA CALL 66
INSTALLATION RESOURCES

Activity Information:

Activity Name:	Naval Telecommunications Center (NTCC) Charleston
UIC:	N33243
Host Activity Name (if response is for a tenant activity):	Naval Weapons Station, Charleston, SC
Host Activity UIC:	N00193

General Instructions/Background. A separate response to this data call must be completed for each Department of the Navy (DON) host, independent and tenant activity which separately budgets BOS costs (regardless of appropriation), and, is located in the United States, its territories or possessions.

1. Base Operating Support (BOS) Cost Data. Data is required which captures the total annual cost of operating and maintaining Department of the Navy (DON) shore installations. Information must reflect FY 1996 budget data supporting the FY 1996 NAVCOMPT Budget Submit. Two tables are provided. Table 1A identifies "Other than DBOF Overhead" BOS costs and Table 1B identifies "DBOF Overhead" BOS costs. These tables must be completed, as appropriate, for all DON host, independent or tenant activities which separately budget BOS costs (regardless of appropriation), and, are located in the United States, its territories or possessions. Responses for DBOF activities may need to include both Table 1A and 1B to ensure that all BOS costs, including those incurred by the activity in support of tenants, are identified. If both table 1A and 1B are submitted for a single DON activity, please ensure that no data is double counted (that is, included on both Table 1A and 1B). The following tables are designed to collect all BOS costs currently budgeted, regardless of appropriation, e.g., Operations and Maintenance, Research and Development, Military Personnel, etc. Data must reflect FY 1996 and should be reported in thousands of dollars.

a. Table 1A - Base Operating Support Costs (Other Than DBOF Overhead). This Table should be completed to identify "Other Than DBOF Overhead" Costs. Display, in the format shown on the table, the O&M, R&D and MPN resources currently budgeted for BOS services. O&M cost data must be consistent with data provided on the BS-1 exhibit. Report only direct funding for the activity. Host activities should not include reimbursable support provided to tenants, since tenants will be separately reporting these costs. Military personnel costs should be included on the appropriate lines of the table. Please ensure that individual lines of the table do not include duplicate costs. Add additional lines to the table (following line 2j., as necessary, to identify any additional cost elements not currently shown). **Leave shaded areas of table blank.**

DATA CALL 66
INSTALLATION RESOURCES

Table 1A - Base Operating Support Costs (Other Than DBOF Overhead)			
Activity Name:		**UIC:**	
Category	**FY 1996 BOS Costs ($000)**		
	Non-Labor	**Labor**	**Total**
1. Real Property Maintenance Costs:			
1a. Maintenance and Repair			
1b. Minor Construction			
1c. Sub-total 1a. and 1b.			
2. Other Base Operating Support Costs:			
2a. Utilities	15		15
2b. Transportation	1		1
2c. Environmental			
2d. Facility Leases			
2e. Morale, Welfare & Recreation			
2f. Bachelor Quarters			
2g. Child Care Centers			
2h. Family Service Centers			
2i. Administration			
2j. Other (Specify) (Admin Phones) and other engineering support	2 1		2 1
2k. Sub-total 2a. through 2j:	19		19
3. Grand Total (sum of 1c. and 2k.):	19		19

b. Funding Source. If data shown on Table 1A reflects more than one appropriation, then please provide a break out of the total shown for the "3. Grand-Total" line, by appropriation:

Appropriation	Amount ($000)

c. Table 1B - Base Operating Support Costs (DBOF Overhead). This Table should be submitted for all current DBOF activities. Costs reported should reflect BOS costs supporting the DBOF activity itself (usually included in the G&A cost of the activity). For DBOF activities which are tenants on another installation, total cost of BOS incurred by the tenant activity for itself should be shown on this table. It is recognized that differences exist among DBOF activity groups regarding the costing of base operating support: some groups reflect all such costs only in general and administrative (G&A), while others spread them between G&A and production overhead. Regardless of the costing process, all such costs should be included on Table 1B. The Minor Construction portion of the FY 1996 capital budget should be included on the appropriate line. Military personnel costs (at civilian equivalency rates) should also be included on the appropriate lines of the table. Please ensure that individual lines of the table do not include duplicate costs. Also ensure that there is no duplication between data provided on Table 1A. and 1B. These two tables must be mutually exclusive, since in those cases where both tables are submitted for an activity, the two tables will be added together to estimate total BOS costs at the activity. Add additional lines to the table (following line 21., as necessary, to identify any additional cost elements not currently shown). **Leave shaded areas of table blank.**

Other Notes: All costs of operating the five Major Range Test Facility Bases at DBOF activities (even if direct RDT&E funded) should be included on Table 1B. Weapon Stations should include underutilized plant capacity costs as a DBOF overhead "BOS expense" on Table 1B..

DATA CALL 66
INSTALLATION RESOURCES

Table 1B - Base Operating Support Costs (DBOF Overhead)			
Activity Name: NTCC Charleston, SC		**UIC: 33243**	
Category	**FY 1996 Net Cost From UC/FUND-4 ($000)**		
	Non-Labor	**Labor**	**Total**
1. Real Property Maintenance Costs:			
1a. Real Property Maintenance (>$15K)			
1b. Real Property Maintenance (<$15K)			
1c. Minor Construction (Expensed)			
1d. Minor Construction (Capital Budget)			
1c. Sub-total 1a. through 1d.			
2. Other Base Operating Support Costs:			
2a. Command Office			
2b. ADP Support			
2c. Equipment Maintenance			
2d. Civilian Personnel Services			
2e. Accounting/Finance			
2f. Utilities			
2g. Environmental Compliance			
2h. Police and Fire			
2i. Safety			
2j. Supply and Storage Operations			
2k. Major Range Test Facility Base Costs			
2l. Other (Specify)			
2m. Sub-total 2a. through 2l:			
3. Depreciation			
4. Grand Total (sum of 1c., 2m., and 3.) :	0	0	0

DATA CALL 66
INSTALLATION RESOURCES

2. Services/Supplies Cost Data. The purpose of Table 2 is to provide information about projected **FY 1996** costs for the purchase of services and supplies by the activity. **(Note: Unlike Question 1 and Tables 1A and 1B, above, this question is not limited to overhead costs.)** The source for this information, where possible, should be either the NAVCOMPT OP-32 Budget Exhibit for O&M activities or the NAVCOMPT UC/FUND-1/IF-4 exhibit for DBOF activities. Information must reflect FY 1996 budget data supporting the FY 1996 NAVCOMPT Budget Submit. Break out cost data by the major sub-headings identified on the OP-32 or UC/FUND-1/IF-4 exhibit, disregarding the sub-headings on the exhibit which apply to civilian and military salary costs and depreciation. Please note that while the OP-32 exhibit aggregates information by budget activity, this data call requests OP-32 data for the activity responding to the data call. Refer to NAVCOMPTINST 7102.2B of 23 April 1990, Subj: Guidance for the Preparation, Submission and Review of the Department of the Navy (DON) Budget Estimates (DON Budget Guidance Manual) with Changes 1 and 2 for more information on categories of costs identified. Any rows that do not apply to your activity may be left blank. However, totals reported should reflect all costs, exclusive of salary and depreciation.

Table 2 - Services/Supplies Cost Data

Activity Name: NTCC Charleston, SC	**UIC:** N33243
Cost Category	**FY 1996 Projected Costs ($000)**
Travel:	1
Material and Supplies (including equipment):	7
Industrial Fund Purchases (other DBOF purchases):	18
Transportation:	0
Other Purchases (Contract support, etc.):	12
Total:	38

DATA CALL 66
INSTALLATION RESOURCES

3. Contractor Workyears.

a. On-Base Contract Workyear Table. Provide a projected estimate of the number of contract workyears expected to be **performed "on base"** in support of the installation during FY 1996. Information should represent an annual estimate on a full-time equivalency basis. Several categories of contract support have been identified in the table below. While some of the categories are self-explanatory, please note that the category "mission support" entails management support, labor service and other mission support contracting efforts, e.g., aircraft maintenance, RDT&E support, technical services in support of aircraft and ships, etc. **N/A**

Table 3 - Contract Workyears	
Activity Name:	**UIC:**
Contract Type	**FY 1996 Estimated Number of Workyears On-Base**
Construction:	
Facilities Support:	
Mission Support:	
Procurement:	
Other:*	
Total Workyears:	

* **Note:** Provide a brief narrative description of the type(s) of contracts, if any, included under the "Other" category.

b. Potential Disposition of On-Base Contract Workyears. If the mission/functions of your activity were relocated to another site, what would be the anticipated disposition of the **on-base contract workyears** identified in Table 3.?

1) Estimated number of contract workyears which would be transferred to the receiving site (This number should reflect the number of jobs which would in the future be contracted for at the receiving site, not an estimate of the number of people who would move or an indication that work would necessarily be done by the same contractor(s)):

N/A

2) Estimated number of workyears which would be eliminated:

N/A

3) Estimated number of contract workyears which would remain in place (i.e., contract would remain in place in current location even if activity were relocated outside of the local area):

N/A

DATA CALL 66
INSTALLATION RESOURCES

c. "Off-Base" Contract Workyear Data. Are there any contract workyears located in the local community, but not on-base, which would either be eliminated or relocated if your activity were to be closed or relocated? If so, then provide the following information **(ensure that numbers reported below do not double count numbers included in 3.a. and 3.b., above):**

No. of Additional Contract Workyears Which Would Be Eliminated	General Type of Work Performed on Contract (e.g., engineering support, technical services, etc.)
0	

No. of Additional Contract Workyears Which Would Be Relocated	General Type of Work Performed on Contract (e.g., engineering support, technical services, etc.)
0	

INSTALLATION RESOURCES, DATA CALL 66 for COMNAVCOMTELCOM

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

NAME (Please type or print) _____ Signature _____

Title _____ Date _____

Activity _____

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

(Please type or print) _____ Signature _____ Name

Title _____ Date _____

Activity _____

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

T. A. STARK
Name (Please type or print)

T. A. Stark
Signature

Commander,
Title

25 Aug 1994
Date

Naval Computer and
Telecommunications Command
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

W. A. EARNER
NAME (Please type or print)

W A Earner
Signature

Title

9/6/94
Date

Enclosure (2)

Revised pg 102

DATA CALL 63
FAMILY HOUSING DATA

Information on Family Housing is required for use in BRAC-95 return on investment calculaitons.

Installation Name:	WPNSTA Charleston
Unit Identification Code (UIC):	N00193
Major Claimant:	NAVSEASYSCOM

Percentage Of Military Families Living on-Base:	26.6
Number of Vacant Officer Housing Units:	0
Number of Vacant Enlisted Housing Units:	0
Fy 1996 Family Housing Budget ($000):	$66
Total Number of Officer Housing Units:	3
Total Number of Enlisted Housing Units:	21

NOTE: Closure of this UIC may not result in closure of all housing units.

Note: All data should reflect figures as of the beginning of FY 1996. If major DON installations share a family housing complex, figures should reflect an estimate of the installation's prorated share of the family housing complex.

DATA CALL 63
FAMILY HOUSING DATA

102

Information on Family Housing is required for use in BRAC-95 return on investment calculaitons.

Installation Name:	WPNSTA Charleston
Unit Identification Code (UIC):	N00193
Major Claimant:	NAVSEASYSCOM

Percentage Of Military Families Living on-Base:	27.2
Number of Vacant Officer Housing Units:	0
Number of Vacant Enlisted Housing Units:	0
Fy 1996 Family Housing Budget ($000):	$66
Total Number of Officer Housing Units:	3
Total Number of Enlisted Housing Units:	21

NOTE: Closure of this UIC may not result in closure of all housing units.

Note: All data should reflect figures as of the beginning of FY 1996. If major DON installations share a family housing complex, figures should reflect an estimate of the installation's prorated share of the family housing complex.

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

J. E. BUFFINGTON, RADM, CEC, USN
NAME (Please type or print)

Jack Buffington
Signature

COMMANDER
Title

7/20/94
Date

NAVAL FACILITIES ENGINEERING COMMAND
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

W. A. EARNER
NAME (Please type or print)

W A Earner
Signature

Title

7/25/94
Date

BRAC-95 CERTIFICATION

Reference: SECNAV NOTE 11000 dtd 8 Dec 93

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

I certify the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

J. R. REVER
NAME (Please type of print)

Signature

CAPT. CEC, USN
COMMANDING OFFICER
Title

27 June 1994
Date

SOUTHNAVFACENGCOM
Activity

Enclosure (1)

BRAC-95 CERTIFICATION

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

YVONNE O. SPRING
NAME (Please type or print)

Signature

Housing Management Specialist
Title

27 June 1994
Date

Housing Division
Division

Facilities Management Dept.
Department

SOUTHNAVFACENCON
Activity

Enclosure (1)

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

J. E. BUFFINGTON, RADM, CEC, USN
NAME (Please type or print)

Signature

COMMANDER
Title

8/11/94
Date

NAVAL FACILITIES ENGINEERING COMMAND
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

J. B. GREENE, JR.
NAME (Please type or print)

Signature

ACTING
Title

18 AUG 1994
Date

BRAC-95 CERTIFICATION

Reference: SECNAV NOTE 11000 dtd 8 Dec 93

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

I certify the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

R. S. TYLER
NAME (Please type of print)

Executive Officer
Title

SOUTHNAVFACENGCOM
Activity

Signature

4 August 1994
Date

BRAC-95 CERTIFICATION

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

YVONNE O. SPRING
NAME (Please type or print)

Signature

Housing Management Specialist
Title

4 August 1994
Date

Division

Housing Department
Department

SOUTHNAVFACENGCOM
Activity

Enclosure (1)

Document Separator

23 June 1994

DATA CALL 46 WORK SHEET FOR MILITARY VALUE ANALYSIS
NAVAL WEAPONS STATION CHARLESTON

102

Questions for the Activities

Category	....	**Industrial Activities**
Type	....	**Naval Weapon Stations,**
	....	**Naval Magazines, and**
	....	**Strategic Missile Facilities**
Claimants	....	**COMNAVSEASYSCOM** (Naval Weapon Stations)
	....	**CINCPACFLT** (Naval Magazines)
	....	**DIRSSP** (Strategic Weapons Facilities)

Notes: In the context of this data Call:

1. Base your responses for FY 1994 and previous years on executed workload, and for FY 1995 and subsequent years on workload as programmed in the FY 1995 Budget Submission and POM-96. Unless otherwise specified, use workload mixes as programmed. In estimating projected workload capabilities, use the activity configuration as of completion of the BRAC-88/91/93 actions.
2. Unless otherwise specified, for questions addressing maximum workload within this Data Call, base your response on an eight hour day/five day normal work week (1-8-5). Please identify any processes which, under normal operations, operate on a different schedule.
3. For purposes of this Data Call, Depot maintenance is regarded as the maintenance performed on material that requires major overhaul or a complete rebuild of parts, assemblies, subassemblies, and end items, including the manufacture of parts, modifications, testing, and reclamation, as required. Depot maintenance serves to support lower categories of maintenance. Depot maintenance provides stocks of serviceable equipment by using more extensive facilities for repair than are available in lower level maintenance activities. Depot or indirect maintenance functions are identified by the type of equipment maintained or repaired.
4. Report all workload performed, clearly identifying origin of all non-DON workload.

If any responses are classified, so annotate the applicable question and include those responses in a separate classified annex.

This document has been prepared in WordPerfect 5.1/5.2.

DATA CALL 46 WORK SHEET FOR MILITARY VALUE ANALYSIS
NAVAL WEAPONS STATION CHARLESTON

Table of Contents

Table of Acronyms

$	Dollars
%	Percent
#	Number
ACT	American College Test
AOB	Average on Board
ARC	Alcohol Rehabilitation Center
BAQ	Basic Allowance for Quarters
BEQ	Bachelor Enlisted Quarters
BOQ	Bachelor Officers Quarters
CAD/CAM	Computer Aided Design / Computer Aided Manufacturing
CCN	Category Code Number
DLMY	Direct Labor Man Year
DM	Depot Maintenance
DoD	Department Of Defense
DoDDS	Department of Defense Dependents Schools
DON	Department of the Navy
ESQD	Explosive Safety Quantity Distance
FMS	Foreign Military Sales
FSC	Family Service Center
FY	Fiscal Year
FYDP	Future Years Defense Plan
HE	High Explosive
HERO	Hazardous Electronic Radiation - Ordnance
HS	High School
IM	Intermediate Maintenance
IPE	Industrial Plant Equipment
ISE	In Service Engineering
ITT	Information, Tickets and Tours
JCSG-DM	Joint Cross Service Group - Depot Maintenance
KSF	Thousands of Square Feet
LF	Linear Feet
MH	Man Hours
MLS	Multiple Listing Service
N / A	Not Applicable
NAVMAG	Naval Magazine
NCIS	Naval Criminal Investigative Service
NEW	Net Explosive Weight
OOS	Out Of Service
ORD	Ordnance
ORDCEN	Ordnance Center
PACDIV	Pacific Division
PN	Number of Personnel accommodated
POM	Program Objectives Memorandum
Qtr	Quarter
RSSI	Receipt, Segregation, Stowage and Issue
SAT	Scholastic Aptitude Test
SF	Square Feet
SOP	Standard Operating Procedures
SWF	Strategic Weapons Facility
TY	Then Year
UIC	Unit Identification Code
VHA	Variable Housing Allowance
W/O	Without
WPNSTA	Weapons Station
WY	Work Years

DATA CALL 46 WORK SHEET FOR MILITARY VALUE ANALYSIS

NAVAL WEAPONS STATION CHARLESTON

R

Primary Activity UIC: 00193

MISSION:

"Provide quality and responsive logistics, technical, and material support to the fleet and other customers in the areas of combat subsystems, equipment, components and retail ammunition management; maintain and operate an explosive ordnance outloading facility; provide homeport services; and, perform other tasks as assigned by higher authority." *(OPNAVNOTE 5450 14 Oct 93)*

Mission Area

1 Ordnance Storage

1.1 How much (in tons and square feet (SF)) of approved explosive ordnance (magazine) storage exists at the facility?

Table 1.1: Ordnance Storage

	Present Storage		FY 2001	
	SF	Tons	SF	Tons
Total Storage	485,803[1]	34,224	801,000	50,147[2]

(R

Data Source: **WPNSTA Charleston and POMFLANT P-164, Plant Property Records, CAIMS history, and Inventory Management Specialist review.**

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[1] **Present storage does not include magazines which are currently used by the Polaris Missile Facility Atlantic (POMFLANT), a tenant scheduled for closure in 1995. The magazines will be turned over to WPNSTA Charleston during 1997 (best case) or 2000 (worst case). These magazines are environmentally controlled and all are connected to an intruder detection system. The entire area is surrounded with double fencing and perimeter lighting. Storage capacity in FY 2001 reflects addition of the POMFLANT magazines.**

[2] **U.S. Army Strategic Mobility Logistics Base (SMLB) Program explosive assets will be on inventory beginning in FY 96; however, we are unable to predict the exact tonnage nor mix of materials involved. Presently, a factor of 14.5395 sq ft per ton was used to estimate tons of explosive ordnance which could be stored per NAVSEAINST 8024.2. This ratio could change in the future.**

DATA CALL 46 WORK SHEET FOR MILITARY VALUE ANALYSIS Revised pg

NAVAL WEAPONS STATION CHARLESTON

102

Primary Activity UIC: 00193

MISSION:

"Provide quality and responsive logistics, technical, and material support to the fleet and other customers in the areas of combat subsystems, equipment, components and retail ammunition management; maintain and operate an explosive ordnance outloading facility; provide homeport services; and, perform other tasks as assigned by higher authority." *(OPNAVNOTE 5450 14 Oct 93)*

Mission Area

1 Ordnance Storage

1.1 How much (in tons and square feet (SF)) of approved explosive ordnance (magazine) storage exists at the facility?

Table 1.1: Ordnance Storage

	Present Storage		FY 2001	
	SF	Tons	SF	Tons
Total Storage	**475,140[1]**	**33,491**	**801,000**	**50,147[2]** (R

Data Source: **WPNSTA Charleston and POMFLANT P-164, Plant Property Records, CAIMS history, and Inventory Management Specialist review.**

[1] **Present storage does not include magazines which are currently used by the Polaris Missile Facility Atlantic (POMFLANT), a tenant scheduled for closure in 1995. The magazines will be turned over to WPNSTA Charleston during 1997 (best case) or 2000 (worst case). These magazines are environmentally controlled and all are connected to an intruder detection system. The entire area is surrounded with double fencing and perimeter lighting. Storage capacity in FY 2001 reflects addition of the POMFLANT magazines.**

[2] **U.S. Army Strategic Mobility Logistics Base (SMLB) Program explosive assets will be on inventory beginning in FY 96; however, we are unable to predict the exact tonnage nor mix of materials involved. Presently, a factor of 14.5395 sq ft per ton was used to estimate tons of explosive ordnance which could be stored per NAVSEAINST 8024.2. This ratio could change in the future.** (R

DATA CALL 46 WORK SHEET FOR MILITARY VALUE ANALYSIS

NAVAL WEAPONS STATION CHARLESTON

Primary Activity UIC: **00193**

MISSION:

"Provide quality and responsive logistics, technical, and material support to the fleet and other customers in the areas of combat subsystems, equipment, components and retail ammunition management; maintain and operate an explosive ordnance outloading facility; provide homeport services; and, perform other tasks as assigned by higher authority."
(OPNAVNOTE 5450 14 Oct 93)

Mission Area

1 Ordnance Storage

1.1 How much (in tons and square feet (SF)) of approved explosive ordnance (magazine) storage exists at the facility?

Table 1.1: Ordnance Storage

	Present Storage		FY 2001	
	SF	Tons	SF	Tons
Total Storage	**485,954**[1]	**38,114**	**801,000**	**62,824**[2]

[1] **Present storage does not include magazines which are currently used by the Polaris Missile Facility Atlantic (POMFLANT), a tenant scheduled for closure in 1995. The magazines**

Data Source: **WPNSTA Charleston and POMFLANT P-164, Plant Property Records, CAIMS history, and Inventory Management Specialist review.**

will be turned over to WPNSTA Charleston during 1997 (best case) or 2000 (worst case). These magazines are environmentally controlled and all are connected to an intruder detection system. The entire area is surrounded with double fencing and perimeter lighting. Storage capacity in FY 2001 reflects addition of the POMFLANT magazines.

[2] U.S. Army Strategic Mobility Logistics Base (SMLB) Program explosive assets will be on inventory beginning in FY 96; however, we are unable to predict the exact tonnage nor mix of materials involved. Presently, a factor of 12.75 sq ft per ton was used to estimate tons of explosive ordnance which could be stored per NAVSEAINST 8024.2. This ratio could change in the future.

1.2 What fraction of the available storage is in use and projected to be in use for the years indicated? (Note: Retain consistency with NAVSEAINST 8024.2, which indicates that 80% of the square feet in a magazine is effectively 100% full because of access and handling factors.)

Table 1.2: Fraction of Storage in Use

Ord. Cat.	FY91	FY92	FY93	FY94	FY95	FY96 *	FY97 *	FY99 *	FY2001 *	
LOE	41.9%	42.9%	42.4%	44.4%	47.5%	50.7%	46.0%	39.8%	35.7%	(R
Threat	20.8%	20.9%	20.5%	23.7%	25.4%	27.1%	24.6%	21.2%	19.1%	(R
Nuclear	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Other	5.4%	5.3%	5.9%	5.6%	6.0%	6.4%	5.8%	5.0%	4.5%	(R
Total	68.1%	69.1%	68.8%	73.7%	78.9%	84.2%	76.4%	66.0%	59.3%	(R

*** NOTE 1: One hundred three magazines will be added to WPNSTA Charleston's plant account between 1995 and 2000. These magazines are currently used by the Polaris Missile Facility Atlantic (POMFLANT) which is a tenant scheduled for closure in 1995. The magazines will be turned over to WPNSTA Charleston during 1997 (best case) or 2000 (worst case). Additionally, US Army's Strategic Mobility Logistics Base (SMLB) Program explosive assets will be on inventory beginning in FY96; however, we are unable to predict the exact tonnage nor other increases to inventory levels as a result of additional magazines being available.** (R

Data Source: **OMS Asset Data File**

1.2 What fraction of the available storage is in use and projected to be in use for the years indicated? (Note: Retain consistency with NAVSEAINST 8024.2, which indicates that 80% of the square feet in a magazine is effectively 100% full because of access and handling factors.)

Table 1.2: Fraction of Storage in Use

Ord. Cat.	FY91	FY92	FY93	FY94	FY95	FY96	FY97 *	FY99 *	FY2001 *
LOE	85%	80%	75%	80%	85%	95%	95%	95%	95%
Threat	100%	95%	80%	85%	85%	85%	95%	95%	95%
Nuclear	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other	80%	75%	70%	80%	90%	90%	95%	95%	95%
Total	85%	80%	75%	80%	85%	90%	95%	95%	95%

*** NOTE 1: One hundred three magazines will be added to WPNSTA Charleston's plant account between 1995 and 2000. These magazines are currently used by the Polaris Missile Facility Atlantic (POMFLANT) which is a tenant scheduled for closure in 1995. The magazines will be turned over to WPNSTA Charleston during 1997 (best case) or 2000 (worst case). These magazines are environmentally controlled and all are connected to an intrusion detection system. The entire area is surrounded with double fencing and perimeter lighting. Exact loading of each magazine is not available at this time.**

Data Source: **OMS Asset Data File and NAVSEA 8024.2**

1.3 Identify any specialized, unique or peculiar characteristics about your facilities, equipment, or skills at your activity to provide for ordnance storage? Highlight those that are "one of a kind" within the DON/DoD. R

- WPNSTA Charleston is a warm water, explosive loading port facility with 38' depth at piers.
- Sizable land area allows collocation of large ordnance storage and maintenance capacity with ship explosive outloading capability.
- Large land mass cited for explosive operations with established ESQD arcs which all fall entirely within the geographic boundaries of WPNSTA Charleston.
- WPNSTA Charleston has a Coast Guard approved 8,000 foot diameter off-shore explosive anchorage to support peak load and surge capacity staging of explosive laden vessels.
- Encroachment on the established boundaries and ESQD arcs of the WPNSTA are insulated by wetlands, restricted waterways, and roads.
- It is the only coastal activity with explosive storage, outload, and maintenance capability in the southeastern United States.
- This capability supports Navy, Marine Corps, Coast Guard, and Army explosive operations.
- The Weapons Station geographical site meets support requirements for the Nuclear Power Training Facility (NPTU).
- WPNSTA Charleston will upon, Naval Station Charleston closure, support the Mobile Mine Assembly Group (MOMAG) mission which is geographically linked to mine range off the Charleston, SC coast.
- It is the closest explosive loading port to the homeported ships located in GA, FL, and the Gulf of Mexico.
- WPNSTA Charleston's close proximity to the Charleston Air Force Base provides quick-trans support service for shipment of materials using the Military Air Transport. A Military Traffic Management Command (MTMC) terminal is close by for surface transport. R 08/04/94
- One hundred three magazines will be added to WPNSTA Charleston's plant account between 1995 and 2000. These magazines are currently used by the Polaris Missile Facility Atlantic (POMFLANT) which is a tenant scheduled for closure in 1995. The magazines will be turned over to WPNSTA Charleston during 1997 (best case) or 2000 (worst case). These magazines are environmentally controlled and all are connected to an intrusion detection system. The entire area is surrounded with double fencing and perimeter lighting. Exact loading of each magazine is not available at this time. Magazines are equipped with wide doors for handling long commodities (threat missiles).
- Existing ESQD arcs will allow siting additional magazines, laydown areas, and barricaded railroad sidings. R 08/04/94
- Ordnance can be transported in/out by rail, truck, air, and/or ship and delivered to the piers by rail.
- WPNSTA Charleston has a permitted[3] Open Burn/Open Detonation (OB/OD) Explosive Ordnance Disposal (EOD) Class "C" Range capable of up to 150 lbs net explosive weight (NEW) per open detonation and up to 4,000 lbs NEW per open burn. R 10/18/94

Data Source: WPNSTA & POMFLANT Plant Property records, Public Works Engineering Division.

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[3](interim status under subpart X of part B permit # SC8 170 022 620 through Environmental Protection Agency (EPA) Region 4) R 10/18/94

1.3 Identify any specialized, unique or peculiar characteristics about your facilities, equipment, or skills at your activity to provide for ordnance storage? Highlight those that are "one of a kind" within the DON/DoD.

- **WPNSTA Charleston is a warm water, explosive loading port facility with 38' depth at piers.**
- **Sizable land area allows collocation of large ordnance storage and maintenance capacity with ship explosive outloading capability.**
- **Large land mass cited for explosive operations with established ESQD arcs which all fall entirely within the geographic boundaries of WPNSTA Charleston.**
- **WPNSTA Charleston has a Coast Guard approved 8,000 foot diameter off-shore explosive anchorage to support peak load and surge capacity staging of explosive laden vessels.**
- **Encroachment on the established boundaries and ESQD arcs of the WPNSTA are insulated by wetlands, restricted waterways, and roads.**
- **It is the only coastal activity with explosive storage, outload, and maintenance capability in the southeastern United States.**
- **This capability supports Navy, Marine Corps, Coast Guard, and Army explosive operations.**
- **The Weapons Station geographical site meets support requirements for the Nuclear Power Training Facility (NPTU).**
- **WPNSTA Charleston will upon, Naval Station Charleston closure, support the Mobile Mine Assembly Group (MOMAG) mission which is geographically linked to mine range off the Charleston, SC coast.**
- **It is the closest explosive loading port to the homeported ships located in GA, FL, and the Gulf of Mexico.**
- **WPNSTA Charleston's close proximity to the Charleston Air Force Base provides quick-trans support service for shipment of materials using the Military Air Transport. A Military Traffic Management Command (MTMC) terminal is close by for surface transport.** (R
- **One hundred three magazines will be added to WPNSTA Charleston's plant account between 1995 and 2000. These magazines are currently used by the Polaris Missile Facility Atlantic (POMFLANT) which is a tenant scheduled for closure in 1995. The magazines will be turned over to WPNSTA Charleston during 1997 (best case) or 2000 (worst case). These magazines are environmentally controlled and all are connected to an intrusion detection system. The entire area is surrounded with double fencing and perimeter lighting. Exact loading of each magazine is not available at this time. Magazines are equipped with wide doors for handling long commodities (threat missiles).**
- **Existing ESQD arcs will allow siteing additional magazines, laydown areas, and barricaded railroad sidings.** (R
- **Ordnance can be transported in/out by rail, truck, air, and/or ship and delivered to the piers by rail.**

Data Source: **WPNSTA & POMFLANT Plant Property records, Public Works Engineering Division.**

1.3 Identify any specialized, unique or peculiar characteristics about your facilities, equipment, or skills at your activity to provide for ordnance storage? Highlight those that are "one of a kind" within the DON/DoD.

- **WPNSTA Charleston is a warm water, explosive loading port facility with 38'depth at piers.**

- **Sizable land area allows collocation of large ordnance storage and maintenance capacity with ship explosive outloading and homeporting capability.**

- **Large land mass cited for explosive operations with established ESQD arcs which all fall entirely within the geographic boundaries of WPNSTA Charleston.**

- **WPNSTA Charleston has a Coast Guard approved 8,000 foot diameter off-shore explosive anchorage to support peak load and surge capacity staging of explosive laden vessels.**

- **Encroachment on the established boundaries and ESQD arcs of the WPNSTA are insulated by wetlands, restricted waterways, and roads.**

- **It is the only coastal activity with explosive storage, outload, and maintenance capability in the southeastern United States.**

- **This capability supports Navy, Marine Corps, Coast Guard, and Army explosive operations.**

- **The Weapons Station geographical site meets support requirements for the Nuclear Power Training Facility (NPTU).**

- **WPNSTA Charleston will upon, Naval Station Charleston closure, support the Mobile Mine Assembly Group (MOMAG) mission which is geographically linked to mine range off the Charleston, SC coast.**

- **It is the closest explosive loading port to the homeported ships located in GA, FL, and the Gulf of Mexico.**

- **WPNSTA Charleston's close proximity to the Charleston Air Force Base provides quick-trans support service for shipment of materials using the Military Air Transport. A MTMC terminal is close by for surface transport.**

- **One hundred three magazines will be added to WPNSTA Charleston's plant account between 1995 and 2000. These magazines are currently used by the Polaris Missile Facility Atlantic (POMFLANT) which is a tenant scheduled for closure in 1995. The magazines will be turned over to WPNSTA Charleston during 1997 (best case) or 2000 (worst case). These magazines are environmentally controlled and all are connected to an intrusion detection system. The entire area is surrounded with double fencing and perimeter lighting. Exact loading of each magazine is not available at this time. Magazines are equipped with wide doors for handling long commodities (threat missiles).**

- **Existing ESQD arcs will allow siting additional magazines, laydown areas, and barricaded railroad sidings.**

- **Ordnance can be transported in/out by rail, truck, air, and/or ship and delivered to the piers by rail.**

Data Source: **WPNSTA & POMFLANT Plant Property records, Public Works Engineering Division.**

1.4 What percent of your total ordnance storage is performed for DON?

DON storage provided = **98.39 %** R

Data Source: **OMS Asset Data Listing**

1.5 What percent of your total ordnance storage is performed for commercial manufacturers, other Military Departments, or other DoD agencies? List these customers and percent utilization.

FMS effort = **0** %

Commercial effort = **0** %

Other Military Departments (Army) = ***0** %

Other Military Department (Air Force) = **0** %

Other DoD Agencies (**Coast Guard**) = **1.61**% R

Data Source: **OMS Asset Data Listing**

*** US Army's Strategic Mobility Logistics Base (SMLB) Program explosive assets will be on inventory beginning in FY 96; however, we are unable to predict the exact tonnage.**

Mission Area

Revised pg

2. Ordnance Outload Facility

2.1 What type of ordnance pierside outload facility (container, bulk/breakbulk or specialized) does the station, magazine, or facility operate and what type of vessel can be accommodated? In the table below mark with an "X" those operations at your facility. If your facility accommodates other vessels at anchorage, please note below.

Table 2.1: Outload Characteristics

	Container	Bulk/Break Bulk	Specialized
Amphibious			X
Combatant			X
CV/CVN			
Submarines			X
CLF		X	
Other Break Bulk		X	
Container Ship	X		
Other (TAK)		X	

Data Source: **Waterfront Officer and Marine Cargo Planner**

2.2 What is the daily (single shift) throughput capacity of the facility in tons for each of the three major types of naval ordnance, i.e. LOE, Threat, Strategic? If your function measures throughput using another unit of measure, provide data in terms of tons in first and your unit of measure in a separate table (specify unit of measure).

Table 2.2: Maximum Daily[3] Throughput (Tons)

Ordnance Categories	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997	
LOE	130	130	130	130	130	130	130	130	(R
Threat	90	90	90	90	90	90	90	90	(R
Strategic	NA	NA	NA	NA	0	0	0	0	(R
Other	5	5	5	5	5	5	5	5	(R
Total	225	225	225	225	225	225	225	225	(R

Data Source: **WPNSTA Charleston Mobilization Plan and Marine Cargo Planner**

[3] **The Table 2.2 is based on a single shift day, 40 hour work week.**

Mission Area

2. Ordnance Outload Facility

2.1 What type of ordnance pierside outload facility (container, bulk/breakbulk or specialized) does the station, magazine, or facility operate and what type of vessel can be accommodated? In the table below mark with an "X" those operations at your facility. If your facility accommodates other vessels at anchorage, please note below.

Table 2.1: Outload Characteristics

	Container	Bulk/Break Bulk	Specialized
Amphibious			X
Combatant			X
CV/CVN			
Submarines			X
CLF		X	
Other Break Bulk		X	
Container Ship	X		
Other (TAK)		X	

Data Source: **Waterfront Officer and Marine Cargo Planner**

2.2 What is the daily (single shift) throughput capacity of the facility in tons for each of the three major types of naval ordnance, i.e. LOE, Threat, Strategic? If your function measures throughput using another unit of measure, provide data in terms of tons in first and your unit of measure in a separate table (specify unit of measure).

Table 2.2: Maximum Daily[3] Throughput **(Tons)**

Ordnance Categories	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997
LOE	**116**	**116**	**116**	**116**	**116**	**116**	**116**	**116**
Threat	**80**	**80**	**80**	**80**	**80**	**80**	**80**	**80**
Strategic	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Other	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**
Total	**200**	**200**	**200**	**200**	**200**	**200**	**200**	**200**

Data Source: **WPNSTA Charleston Mobilization Plan and Marine Cargo Planner**

[3] **The Table 2.2 is based on a single shift day, 40 hour work week.**

2. Ordnance Outload Facility, continued

2.3 Identify any specialized, unique or peculiar characteristics about your facilities, equipment, or skills at your activity to attain the above throughput? Specify those that are one of a kind within the DON/DoD.

Pier located within close proximity to Storage and Magazine area.

Data Source: **Station Facility Plans.**

2.4 At the maximum throughput levels documented above, and considering explosive quantity-distance constraints, how many ships by type (AEs/AOEs, Containerships, MSNAP breakbulk ships, etc.) can be berthed at your outload facility at one time (optimal configuration)?

Table 2.4: Maximum Outload by Ship Type

Type Ship	Maximum Number
AE's	**2**
Combatants	**2**
LMSR Army	**1**

Data Source: **Waterfront Officer, Marine Cargo Planner, and MSC Logistic Coordinator.**

2.5 If surface combatants and/or submarines outload at your facility, how many of each type can be loaded at one time (optimal configuration)?

Optimal Configuration = 4 Combatants or 4 Submarines or any combination which equals 4.

Wharf A - 2 ea. Combatants or Submarines.
Pier B - 2 ea. Combatants or Submarines.

Data Source: **Waterfront Officer and Marine Cargo Planner.**

2.6 If the maximum throughput levels documented above were based on a combination of combatants and other vessels, identify the mix that provides for the maximum outload capability.

Maximum Outload Capability Vessel Mix:
Wharf A - 1 ea. Combatant and 1 ea. AE
Pier B - 1 ea. Combatant and 1 ea. AE
TC Dock - 1 ea. LMSR Container or Breakbulk general cargo ship

Data Source: **Waterfront Officer and Marine Cargo Planner**

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2. Ordnance Outload Facility, continued

2.7 Identify the number of vessels by type, out/downloaded by your activity in the period request (i.e. each trip to the pier = "1".).

Table 2.7: Outload History (Vessels)

Vessel Type	FY 1991	FY 1992	FY 1993
Amphibious	0	0	0
Combatant	106	104	87
CV/CVN	0	0	0
Submarines	32	22	15
CLF	29	19	14
Other Break Bulk	0	0	0
Container Ship	0	0	0
Other	177*	122*	70*
Total:	344	267	186

*** Of 177, 129 were small boats; of 122, 94 were small boats; of 70, 62 were small boats.**

Data Source: **FY 91-93 NAVSEA 8010 reports.**

2.8 What is the maximum daily (single shift) throughput capability at your facility, measured in *tons* as a function of ship type? Provide comments if the maximum throughput by ship type would be reduced if multiple ships are being accommodated simultaneously. Utilize the optimal configuration provided previously to indicate any impact of simultaneous operations.

Table 2.8: Outload History (Tons)

Vessel Type	FY 1993	FY 1997	Comments	
Amphibious	0	0		
Combatant	93	137		(R
CV/CVN	0	0		
Submarines	5	2		(R
CLF	122	12		(R
Other Break Bulk	0	0		
Container Ship	0	63		(R
Other	5	11		(R
Total:	225	225		(R

Data Source: **WPNSTA Charleston Mobilization Plan and Marine Cargo Planner**

2. Ordnance Outload Facility, continued

2.7 Identify the number of vessels by type, out/downloaded by your activity in the period request (i.e. each trip to the pier = "1".).

Table 2.7: Outload History (Vessels)

Vessel Type	FY 1991	FY 1992	FY 1993
Amphibious	**0**	**0**	**0**
Combatant	**106**	**104**	**87**
CV/CVN	**0**	**0**	**0**
Submarines	**32**	**22**	**15**
CLF	**29**	**19**	**14**
Other Break Bulk	**0**	**0**	**0**
Container Ship	**0**	**0**	**0**
Other	**177***	**122***	**70***
Total:	**344**	**267**	**186**

*** Of 177, 129 were small boats; of 122, 94 were small boats; of 70, 62 were small boats.**

Data Source: **FY 91-93 NAVSEA 8010 reports.**

2.8 What is the maximum daily (single shift) throughput capability at your facility, measured in *tons* as a function of ship type? Provide comments if the maximum throughput by ship type would be reduced if multiple ships are being accommodated simultaneously. Utilize the optimal configuration provided previously to indicate any impact of simultaneous operations.

Table 2.8: Outload History (Tons)

Vessel Type	FY 1993	FY 1997	Comments
Amphibious	**0**	**0**	
Combatant	**82**	**122**	
CV/CVN	**0**	**0**	
Submarines	**4**	**2**	
CLF	**109**	**10**	
Other Break Bulk	**0**	**0**	
Container Ship	**0**	**56**	
Other	**5**	**10**	
Total:	**200**	**200**	

Data Source: **WPNSTA Charleston Mobilization Plan and Marine Cargo Planner**

Mission Area

3. Ammunition and Ordnance Maintenance and Testing/Repair and Rework

3.1 In the tables below identify the intermediate level maintenance and testing performed/programmed at your activity in number of units and Direct Labor Man Years(DLMY).

Table 3.1.a: Maintenance and Testing Performance (Units)

Ammo/ Ordnance Type	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997
Mines	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Torpedo	**601**	**135**	**104**	**11**	**7**	**0**	**0**	**0**
Air Launched Threat	**0**	**0**	**23**	**0**	**0**	**0**	**0**	**0**
Surface Launched Threat	**806**	**953**	**1,076**	**1,117**	**1,096**	**1,712**	**1,615**	**1,496**
LOE	**46,812**	**69,457**	**85,487**	**65,201**	**70,568**	**130.3K**	**121.2K**	**121.2K**
Other	**3,352**	**1,889**	**738**	**2,010**	**1,257**	**1,277**	**1,277**	**1,277**
Total	**51,571**	**72,434**	**87,428**	**68,339**	**72,928**	**133.3K**	**124.1K**	**124K**

Data Sources: **NAVSEA 4850 Reports, historical data, ordnance production reports, AEDA Performance report, and Program Manager projections.**

3. Ammunition and Ordnance Maintenance and Testing/Repair and Rework, continued

Table 3.1.b: Maintenance and Testing Performance (DLMYs)

Ammo/ Ordnance Type	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997
Mines	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Torpedo	**N/A**	**16.4**	**10.5**	**3.2**	**1.5**	**0**	**0**	**0**
Air Launched Threat	**0**	**0**	**.1**	**0**	**0**	**0**	**0**	**0**
Surface Launched Threat	**25.0**	**32.2**	**35.9**	**26.3**	**30.6**	**39.7**	**37.9**	**35.5**
LOE	**3.4**	**1.9**	**1.8**	**7.9**	**4.1**	**23.8**	**13.4**	**13.4**
Other	**11.7**	**11.7**	**11.6**	**11.5**	**8.5**	**8.0**	**8.0**	**8.0**
Total	**40.1**	**62.2**	**59.9**	**48.9**	**44.7**	**71.5**	**59.3**	**56.9**

N/A = Not Available

Data Source: **Program Planner review of ordnance unit history reports, financial reports, and Program Managers workload projections.**

3.2 Identify any specialized, unique or peculiar characteristics about your facilities, equipment, or skills at your activity to perform the above work? Highlight those that are one of a kind within the DON/DoD.

None

Data Source: **Production Planner for specific product line.**

3. Ammunition and Ordnance Maintenance and Testing/Repair and Rework, continued

3.3 What percent of your total maintenance and testing effort on ordnance is performed for: FMS, commercial manufacturers, other Military Departments, or other DoD agencies?

FMS effort = **6** %

Commercial effort = **0** %

Other Military Departments (Army) = **0*** %

Other Military Department (Air Force) = **0** %

Other DoD Agencies (specify) = **0** %

*** US Army Strategic Mobility Base Program explosive assets will be on inventory beginning in FY 96 and we anticipate maintenance and testing will be required.**

Data Source: **WPNSTA Charleston FY 94 workload data.**

3.4 Identify in the table below the DLMYs expended in the RSSI process that are related to the rework and repair of ordnance (these hours should not be duplicated in Table 3.1 above).

Table 3.4: Rework and Repair Performance (DLMYs)

Ammo/Ordnance Type	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997
Mines	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Torpedoes	**N/A**	**1.7**	**1.4**	**.1**	**.4**	**0**	**0**	**0**
Air Launched Threat	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Surface Launched Threat	**5.0**	**5.0**	**5.0**	**5.0**	**5.0**	**5.0**	**5.0**	**5.0**
LOE	**.1**	**.1**	**.1**	**.7**	**.6**	**2.0**	**.7**	**.7**
Other	**3.0**	**3.2**	**3.7**	**3.1**	**3.5**	**3.2**	**3.2**	**3.2**
Total	**8.1**	**10.0**	**10.2**	**8.9**	**9.5**	**10.2**	**8.9**	**8.9**

N/A = Not Available

Data Source: **Program Planners review of financial records and knowledge of process requirements.**

3.5 Specify in the table below the type of depot maintenance performed/programmed on ordnance in DLMYs for the years requested.

Table 3.5: Level of Depot Maintenance

Type of Depot Maintenance	FY 1993	FY 1997
ALL INERT ITEMS	**7.3**	**11.9**

Data Source: **DLM historical data and Program Managers workload projections.**

Mission Area

4. Packaging and Handling Equipment

4.1 For each type of packaging or handling equipment designed/manufactured and/or maintained/repaired identify the number of DLMYs associated with that function.

Table 4.1: Packaging and Handling Workload

Packaging/Handling Equipment Type	Design/Manufacturing				Maintenance/Repair			
	FY91	FY93	FY95	FY97	FY91	FY93	FY95	FY97
Inert-SMS	**0**	**0**	**0**	**0**	**1.1**	**.7**	**.8**	**.8**
Inert-MK48	**0**	**0**	**0**	**0**	**7.7**	**4.7**	**3.7**	**3.4**
Inert-MK46	**0**	**0**	**0**	**0**	**2.0**	**.9**	**.7**	**.7**
Inert-ASROC	**0**	**0**	**0**	**0**	**1.3**	**.3**	**0**	**0**
Inert-MPF	**0**	**0**	**0**	**0**	**0**	**.7**	**4.4**	**4.4**
Inert-MPF ARMY	**0**	**0**	**0**	**0**	**0**	**0**	**.1**	**2.6**
Mfg SLAM	**.2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Mfg MK 160 Cntr	**0**	**.1**	**0**	**0**	**0**	**0**	**0**	**0**
Mfg MK 178 Cntr	**7.3**	**9.0**	**0**	**0**	**0**	**0**	**0**	**0**
Mfg MK 3	**.2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
TOTAL	**7.7**	**9.1**	**0**	**0**	**12.1**	**7.3**	**9.7**	**11.9**

Data Source: **DLMY financial and workload projections. Manufacturing workload based on specific need/requirement and generally with a delivery date of one year or less. No funded workload for FY97 is currently held; however, manufacturing capability exists.**

4.2 Identify any specialized, unique or peculiar characteristics about the facilities, equipment, or skills at your activity to perform the above work? Highlight those that are one of a kind within the DON/DoD.

None

4.3 What percent of the above work is performed for FMS, other Military Departments, commercial manufacturers, or other DOD agencies?

FMS effort = **0** %

Commercial effort = **0** %

Other Military Departments (Army) = **0*** %

Other Military Department (Air Force) = **0** %

Other DoD Agencies (specify) = **0** %

*** US Army Strategic Mobility Base Program explosive assets will be on inventory beginning in FY 96 and we anticipate maintenance and repair work of packaging and handling equipment.**

Data Source: **Production Support Shop Planner**

Mission Area

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5. Tactical and Strategic Nuclear Weapon Support

5.1 How many workyears are employed for strategic weapon support at your facility? How many workyears are planned for strategic weapon support through FY 1997?

Table 5.1: Tactical and Strategic Nuclear Weapon Support

Weapon System	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997
NA								

5.2 Identify any specialized, unique or peculiar characteristics about the facilities, equipment, or skills at your activity to perform the support work for the strategic weapon systems? Highlight those that are one of a kind within the DON/DoD.

Not Applicable

(R

5.3 What alternatives exist for providing the support services e.g. another Navy activity, DoD agency, etc.? Explain.

Not Applicable

(R

Mission Area

5. Tactical and Strategic Nuclear Weapon Support

5.1 How many workyears are employed for strategic weapon support at your facility? How many workyears are planned for strategic weapon support through FY 1997?

Table 5.1: Tactical and Strategic Nuclear Weapon Support

Weapon System	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997
NA								

5.2 Identify any specialized, unique or peculiar characteristics about the facilities, equipment, or skills at your activity to perform the support work for the strategic weapon systems? Highlight those that are one of a kind within the DON/DoD.

Not Applicable

5.3 What alternatives exist for providing the support services e.g. another Navy activity, DoD agency, etc.? Explain.

Not Applicable

Mission Area

6. Combat System Support

6.1 What combat systems or sub-systems are maintained at the weapon station/magazine/facility? What combat systems or sub-systems are planned to be maintained through FY 1997?

Table 6.1: Combat System Workload

Combat System	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997
N/A	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**

N/A = Not Applicable

6.2 Identify any specialized, unique or peculiar characteristics about the facilities, equipment, or skills at your activity to perform the maintenance work for combat systems or sub-systems? Highlight those that are one of a kind within the DON/DoD.

No combat systems or sub-systems are maintained at WPNSTA Charleston.

6.3 What alternatives exist for providing the combat system support services (e.g. another Navy activity, DoD agency, etc.)?

Not Applicable

Mission Area

7. Publications Management and Distribution

7.1 Identify the work years expended/programmed to be expended in support of ordnance publications, instructions and documents promulgated and maintained by your activity, for the period requested.

Table 7.1: Publications Workload

Publication Types	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997
Ops	**.08**	**.08**	**.08**	**.08**	**.08**	**.08**	**.08**	**.08**
JMEMs	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
NWPs/MWIPs	**.01**	**.01**	**.01**	**.01**	**.01**	**.01**	**.01**	**.01**
MILSPECs	**.01**	**.01**	**.01**	**.01**	**.01**	**.01**	**.01**	**.01**
Standards	**2.67**	**2.77**	**3.77**	**2.21**	**1.98**	**2.57**	**2.57**	**2.57**
Instructions/Notes	**.25**	**.25**	**.25**	**.40**	**.40**	**.40**	**.40**	**.40**
Other	**2.48**	**2.48**	**2.48**	**1.99**	**1.99**	**1.99**	**1.99**	**1.99**
Total	**5.50**	**5.60**	**6.60**	**4.70**	**4.47**	**5.06**	**5.06**	**5.06**

Data Source: **Review and observation by Communication Branch/Ordnance Management supervisors and use of projected workload requirements**

7.2 Identify any specialized, unique or peculiar characteristics about the facilities, equipment, or skills at your activity to maintain such publications? Highlight those that are one of a kind within the DON/DoD.

None

Data Source: **Ordnance Management Division Supervisor**

7.3 What alternatives exist for providing the publication support services (e.g. another DON activity, Army or Air Force activity, DoD agency, NATO or other treaty agencies, etc.)?

None. Having another activity or agency, which is not physically located on WPNSTA Charleston property, provide publication support services would reduce the responsiveness to mission requirements and diminish the control effectiveness.

Data Source: **Ordnance Management Division Supervisor**

Features and Facilities

8. Explosive Quantity Distance Factors

8.1 What restrictions or explosive quantity distance standard limitations apply to the handling of volatile or explosive products or for hot work on submarines, surface combatants, ammunition ships, or oilers on your station/magazine/facility at the piers/wharfs?

ESQD:

- **Wharf A - NEW limit of 1.0 million pounds**
- **Pier B - NEW limit of 1.95 million pounds.**
- **Pier C - NEW limit of 1.5 million pounds. (Not currently certified for explosives handling)**
- **TC Dock - NEW limit of 1,371 pounds. (Not currently certified for explosives handling)**

Hot Work:

- **Hot work may be done at all piers and wharfs; however, hot work is not permitted on a wharf or pier while ordnance handling operations are being performed.**

Data Source: **WPNSTA Charleston as-built/contract drawings and WPNSTA Charleston Explosive Safety Division.**

8.2 What restrictions apply when moving munitions in quantity from the storage magazines to the outload facility?

No known restrictions.

Data Source: **Safety Director**

8.3 How many AEs, AORs, AOs, or AOEs can be berthed with nesting at your facility, simultaneously? Identify by each pier or wharf.

Wharf A - 2 (1 each at 2 berths with current)
Pier B - 2 (1 each at 2 berths against current)
Pier C - 1 ea (Med Moored)
TC Dock - 2 ea at 1 berth with current.

Data Source: **Waterfront Officer, Marine Cargo Planner, and MSCLANT DET Charleston**

8.4 How many surface combatants or nuclear submarines can be berthed with nesting at the weapon station, magazine, or facility, simultaneously? Identify by each pier or wharf.

Wharf A - 2 (1 each at 2 berths with current)
Pier B - 2 (1 each at 2 berths against current)
Pier C - 2 Submarines at 1 berth against current
TC Dock - 2 at 1 berth with current.

Data Source: **Marine Cargo Planner**

Features and Facilities

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9. Availability and Condition

9.1 Identify, by three digit Category Code Number (CCN), *all facilities* at this activity, and their current condition and area in thousands of square feet (KSF). Duplicate the table as necessary to report all facilities of any tenants for whom your activity serves as host.

Table 9.1: Facility Conditions for **Naval Weapons Station**[4]

CCN	Facility Type	Condition			Total KSF	
		Adequate	Substandard	Inadequate		
740	Community Fac MWR	157	86.5	0	243.5	(R
131	Communications Buildings	4.1	0	0	4.1	(R
143	Operational Buildings	59.5	1.4	0	60.9	(R
148	Shop Operational Facilities	40.0	0	0	40.0	(R
156	Cargo Handling	18.0	9.9	0	27.9	(R
159	Other Waterfront Operations	1.8	0	0	1.8	
171	Training Buildings	98.8	0	0	98.8	(R
212	Guided Missile Maintenance	66.0	33.8	0	99.8	
213	Ships Maintenance	20.7	0	1.0	21.7	
214	Tank/Auto Maintenance	14.9	2.5	0	17.4	(R
215	Weapons Maintenance	17.4	0	0	17.4	
216	Ammunition Maintenance	90.9	0	0	90.9	
217	Electronics Maintenance	123.1	0	0	123.1	(R
218	Misc Maintenance	43.5	10.0	0	53.5	(R
219	Inspection Repair/Overhaul Maintenance	29.6	8.6	8.2	46.4	(R

[4]All Class II property with the exception of the Consolidated Brig and the POMFLANT facilities belong to WPNSTA Charleston. The square footage of the Brig is included in this table. POMFLANT is on a separate table.

Features and Facilities

9. Availability and Condition

9.1 Identify, by three digit Category Code Number (CCN), *all facilities* at this activity, and their current condition and area in thousands of square feet (KSF). Duplicate the table as necessary to report all facilities of any tenants for whom your activity serves as host.

Table 9.1: Facility Conditions for **Naval Weapons Station**[4]

CCN	Facility Type	Condition			Total KSF
		Adequate	Substandard	Inadequate	
40	**Community Fac MWR**	**242.0**	**0**	**0**	**242.0**
131	**Communications Buildings**	**7.8**	**0**	**0**	**7.8**
143	**Operational Buildings**	**72.4**	**0**	**0**	**72.4**
148	**Shop Operational Facilities**	**73.7**	**0**	**0**	**73.7**
156	**Cargo Handling**	**28.0**	**0**	**0**	**28.0**
159	**Other Waterfront Operations**	**1.8**	**0**	**0**	**1.8**
171	**Training Buildings**	**25.1**	**0**	**0**	**25.1**
212	**Guided Missile Maintenance**	**99.8**	**0**	**0**	**99.8**
213	**Ships Maintenance**	**21.7**	**0**	**0**	**21.7**
214	**Tank/Auto Maintenance**	**18.2**	**0**	**0**	**18.2**
215	**Weapons Maintenance**	**17.4**	**0**	**0**	**17.4**
216	**Ammunition Maintenance**	**90.9**	**0**	**0**	**90.9**
217	**Electronics Maintenance**	**145.2**	**0**	**0**	**145.2**
218	**Misc Maintenance**	**54.4**	**0**	**0**	**54.4**
219	**Inspection**	**49.6**	**0**	**0**	**49.6**

[4] All Class II property with the exception of the Consolidated Brig and the POMFLANT facilities belong to WPNSTA Charleston. The square footage of the Brig is included in this table. POMFLANT is on a separate table.

CCN	Facility Type	Condition			Total KSF	
		Adequate	Substandard	Inadequate		
222	Guided Missile Production	0	10.4	0	10.4	(R
226	Ammunition Production	1.3	0	0	1.3	
229	Maintenance Production	1.8	10.3	0	12.1	(R
317	Elect Comm Equipment	56.4	10.0	0	66.4	(R
421	Ammo Storage Depot	718.6	.1	47.0	765.7	(R
431	Cold Storage Depot	0.5	0	0	0.5	
441	Covered Storage Depot	139.9	1.6	17.4	158.9	(R
540	Dental Clinic	0	1.0	0	1.0	(R
550	Dispensary	2.0	9.8	0	11.8	(R
610	Administrative Buildings	81.5	38.2	0	119.7	(R
711	Family Housing Dwelling	3,756.6	0	0	3,756.6	(R
714	Family Housing Det Facility	22.6	0	0	22.6	(R
721	UEPH	6.9	71.2	0	78.1	
722	UNAC PR Housing	0	6.4	0	6.4	
723	UEPH DET Facility	.1	0	0	.1	
730	Community Facility *	58.1	5.5	0	63.6	(R
Activity TOTAL:		5,631.6	317.2	73.6	6,022.4	(R

* Note: (This total includes facility constructed since P-164 was published on 30 September 1993. 64 SF for CCN 730-25 and 73,659 SF for CCN 171-10. This is per Gayle Moore at Southdiv on 7/22/94. These two additions were the only changes for the CCN's listed above since 30 September 1993. (R

CCN	Facility Type	Condition			Total KSF
		Adequate	Substandard	Inadequate	
	Repair/Overhaul Maintenance				
222	**Guided Missile Production**	**10.8**	**0**	**0**	**10.8**
226	**Ammunition Production**	**1.3**	**0**	**0**	**1.3**
229	**Maintenance Production**	**13.3**	**0**	**0**	**13.3**
317	**Elect Comm Equipment**	**44.9**	**0**	**0**	**44.9**
421	**Ammo Storage Depot**	**770.4**	**0**	**0**	**770.4**
431	**Cold Storage Depot**	**.5**	**0**	**0**	**.5**
441	**Covered Storage Depot**	**158.2**	**0**	**0**	**158.2**
540	**Dental Clinic**	**3.0**	**0**	**0**	**3.0**
550	**Dispensary**	**9.8**	**0**	**0**	**9.8**
610	**Administrative Buildings**	**114.9**	**0**	**0**	**114.9**
711	**Family Housing Dwelling**	**3,766.6**	**0**	**0**	**3,766.6**
714	**Family Housing Det Facility**	**22.4**	**0**	**0**	**22.4**
721	**UEPH**	**78.1**	**0**	**0**	**78.1**
722	**UNAC PR Housing**	**6.4**	**0**	**0**	**6.4**
723	**UEPH DET Facility**	**.1**	**0**	**0**	**.1**
730	**Community Facility**	**251.3**	**0**	**0**	**251.3**
Activity TOTAL:		**6,200.0**			**6,200.0**

Table 9.1: Facility Conditions **for POMFLANT**

CCN	Facility Type	Condition			Total
		Adequate	Substandard	Inadequate	KSF
141	**Operation Buildings**	**.9**	**0**	**0**	**.9**
143	**Ship and Other Op Buildings**	**21.7**	**0**	**0**	**21.7**
159	**Other Waterfront Operation**	**10.9**	**0**	**0**	**10.9**
171	**Training Building**	**19.3**	**0**	**0**	**19.3**
212	**Guided Missile Maintenance**	**94.4**	**0**	**0**	**94.4**
214	**Tank/Auto Maintenance**	**.4**	**0**	**0**	**.4**
218	**Misc Maintenance**	**21.1**	**0**	**0**	**21.1**
222	**Guided Missile Production**	**281.6**	**0**	**0**	**281.6**
229	**Maintenance Production**	**.1**	**0**	**0**	**.1**
421	**Ammo Storage Depot**	**403.5**	**0**	**0**	**403.5**
431	**Cold Storage**	**.5**	**0**	**0**	**.5**
441	**Covered Storage Depot**	**102.8**	**0**	**0**	**102.8**
610	**Administrative Buildings**	**65.6**	**0**	**0**	**65.6**
730	**Community Facility**	**10.3**	**0**	**0**	**10.3**
Activity TOTAL:		**1,033.1**	**0**	**0**	**1,033.1**

Data Source: **Plant Property Record Cards and P-164**

9. Availability and Condition, continued Revised pg

9.2 In accordance with NAVFACINST 11010.44E, an inadequate facility cannot be made adequate for its present use through "economically justifiable means". For all the categories in Table 9.1, above, where inadequate facilities are identified provide the following information:

a. Facility type/code: **Ships Maintenance/213, Inspection Repair/Overhaul Maintenance/219, Ammo Storage Depot/421, & Covered Storage Depot/441** (R

b. What makes it inadequate? **Structural damage due to Hurricane Hugo.** (R

c. What use is being made of the facility? **Vacant.** (R

d. What is the cost to upgrade the facility to substandard? **Can not be upgraded due to extent of damage. Buildings scheduled for demolition as funds become available.** (R

e. What other use could be made of the facility and at what cost? **None.** (R

f. Current improvement plans and programmed funding: **To be demolished in out years.** (R

g. Has this facility condition resulted in C3 or C4 designation on your BASEREP? **No.** (R

Data Source: **Annual Inspection Summary (AIS) and the BASEREP.**

9.3 Identify if your activity has been prevented from performing any proposed or planned expansion, establishment of new arcs, or scheduled operations in the past five years due to unresolved restrictions.

None

9. Availability and Condition, continued

9.2 In accordance with NAVFACINST 11010.44E, an inadequate facility cannot be made adequate for its present use through "economically justifiable means". For all the categories in Table 9.1, above, where inadequate facilities are identified provide the following information:

None

a. Facility type/code:
b. What makes it inadequate?
c. What use is being made of the facility?
d. What is the cost to upgrade the facility to substandard?
e. What other use could be made of the facility and at what cost?
f. Current improvement plans and programmed funding:
g. Has this facility condition resulted in C3 or C4 designation on your BASEREP?

Data Source: **Annual Inspection Summary (AIS) and the BASEREP.**

9.3 Identify if your activity has been prevented from performing any proposed or planned expansion, establishment of new arcs, or scheduled operations in the past five years due to unresolved restrictions.

None

Features and Facilities

10. Reserve Support Capabilities

10.1 List all reserve units (USNR, USMCR, USAFR, ANG, USAR, ARNG) that regularly train at your installation.

Table 10.1: Hosted Reserve Units

Reserve Unit	Training Function/Facilities Used
WPNSTA CHARLESTON HEADQUARTERS 107 (USNR)	*
WPNSTA CHARLESTON 209 HUNTSVILLE, AL (USNR)	*
WPNSTA CHARLESTON 307 SAVANNAH, GA (USNR)	*
WPNSTA CHARLESTON 409 HUNTSVILLE, AL (USNR)	*
WPNSTA CHARLESTON 507 AUGUSTA, GA (USNR)	*
WPNSTA CHARLESTON 608 ORLANDO, FL (USNR)	*
WPNSTA CHARLESTON 708 CLEARWATER, FL (USNR)	*
WPNSTA CHARLESTON 808 TAMPA, FL (USNR)	*
WPNSTA CHARLESTON 908 CHATTANOOGA, TN (USNR)	*
NISE EAST 407 CHARLESTON, SC (USNR)	**
NISE EAST 109 KNOXVILLE, TN (USNR)	**
NISE EAST 506, NORFOLK, VA (USNR)	**
EODMU TWELVE RU EODMU 12, DET 1208, DET 112 CHARLESTON, SC (USNR)	***

*** Note 1: Per Naval Ordnance Center (NOC) directives, all training functions for mobilization are conducted within the Ordnance Department; specifically in the area of Receipt, Storage, Segregation and Issue of ammunition (RSS&I). Our current ratio of direct to indirect in RSS&I is 85% and 15% respectively. All station Ordnance Facilities are utilized to facilitate SELRES training.**

Data Source: **Reserve Unit Assignment Document (RUAD), Station Manning Document, Station Mobilization Plan, and Individual Training Plans.**

**** Note 2: Navy Reserve units support NISE East in providing In-Service Engineering to Navy and Marine Corps fleet and shore facilities. These services include electronics material support, conducting engineering studies, analysis, design and test support, install, upgrade, modify, restore, and remove hardware and software, develop logistics requirements and plans, provide program and project support and execution, and to develop training requirements, plans and materials, and follow-on technical support. Facilities used are the Electronic Warfare Cryptology and Communications Laboratories.**

Data Source: **Bernie Nettles, NISE East Code NE 0AA**

***** Note 3: Training function is to provide ordnance clearance, area search and communications to meet annual deployment and wartime mission requirements. Use WPNSTA Southside Bldg. 3115 with various out buildings, WPNSTA Southside boat landing, and Charleston Mine Training Range.**

Data Source: **CO, EODMU Twelve ltr 5230 00 of 26 May 1994.**

10.2 For each USNR and USMCR unit that trains at your facility, provide the number of authorized billets and number of personnel actually assigned to the unit for the past three full fiscal years. Include both Selected Reserves (SELRES) and Training and Administration of Reserves (TAR) Navy/Full Time Support (FTS) Marine Corps reservists. Explain any reported differences between authorized and actual manning. Reproduce this table as necessary for each unit.

WPNSTA Charleston (00193) Tables 10.2.a.: Reserve Personnel

Unit: HQ107	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TARF TS
Enlisted	**49**	**0**	**49**	**0**	**49**	**0**	**49**	**0**	**49**	**0**	**49**	**0**
Officer	**7**	**0**	**7**	**0**	**7**	**0**	**7**	**0**	**7**	**0**	**7**	**0**

Unit: 209	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TARF TS
Enlisted	**29**	**0**	**29**	**0**	**29**	**0**	**29**	**0**	**29**	**0**	**29**	**0**
Officer	**2**	**0**	**2**	**0**	**2**	**0**	**2**	**0**	**2**	**0**	**2**	**0**

Unit: 307	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TARF TS
Enlisted	31	0	31	0	31	0	31	0	31	0	31	0
Officer	2	0	2	0	2	0	2	0	2	0	2	0

Tables 10.2.a: WPNSTA Charleston Reserve Personnel (continued)

Unit: 409	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TARF TS
Enlisted	26	0	26	0	26	0	26	0	26	0	26	0
Officer	3	0	3	0	3	0	3	0	3	0	3	0

Unit: 507	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TARF TS
Enlisted	37	0	37	0	37	0	37	0	37	0	37	0
Officer	4	0	4	0	4	0	4	0	4	0	4	0

Unit: 608	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TARF TS
Enlisted	23	0	23	0	23	0	23	0	23	0	23	0
Officer	2	0	2	0	2	0	2	0	2	0	2	0

Tables 10.2.a: WPNSTA Charleston Reserve Personnel (continued)

Unit: 708	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TARF TS
Enlisted	39	0	39	0	39	0	39	0	39	0	39	0
Officer	2	0	2	0	2	0	2	0	2	0	2	0

Unit: 808	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TARF TS
Enlisted	34	0	34	0	34	0	34	0	34	0	34	0
Officer	4	0	4	0	4	0	4	0	4	0	4	0

Unit: 908	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TARF TS
Enlisted	27	0	27	0	27	0	27	0	27	0	27	0
Officer	2	0	2	0	2	0	2	0	2	0	2	0

Data Source: **NAVSEASYSCOM Reserve Coordinators Handbook of 01 Aug 88; Tab A (Program 29 Unit Listing) as of 25 Oct 93.**

NISE EAST (UIC 65236) Tables 10.2.b.: Reserve Personnel

Unit: **NR NESC 407, Chasn, SC RUIC 89626**	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TARF TS
Enlisted	**19**		**19**		**19**		**19**		**19**		**19**	
Officer	**6**		**6**		**6**		**6**		**6**		**6**	

Unit: **NR NESEC 109, Knoxville, TN RUIC 87389**	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TARF TS
Enlisted	**46**		**46**		**46**		**46**		**46**		**46**	
Officer	**9**		**9**		**9**		**9**		**9**		**9**	

Unit: **NR NESC 506, Norfolk, VA RUIC 89627**	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TARF TS
Enlisted	**62**		**62**		**62**		**62**		**47**		**47**	
Officer	**6**		**6**		**6**		**6**		**6**		**6**	

EODMU Twelve (UIC 47151) Tables 10.2.c.: Reserve Personnel

Unit: **DET/RUIC** **MU12/47151 1208/83439 112/83408**	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TARF TS
Enlisted	**46**	**12**	**28**	**14**	**46**	**12**	**43**	**17**	**57**	**16**	**57**	**19**
Officer	**10**	**2**	**7**	**3**	**10**	**2**	**10**	**3**	**10**	**3**	**10**	**2**

10.3 What is the outlook for your reserve training requirement for FY 1997?

WPNSTA CHASN UNITS: By FY97, all satellite units will have been disestablished and all billets brought into HQ107 with an additional increase of 60 billets requested to support RSS&I.

Data Source: **ZBR - COMNAVORDCEN ltr 8000 OPR N4/93-0006 SR NO2/057 of 9 Nov 93.**

- COMNAVORDCEN ltr 5725 OPR NOZR SR NO2/175 of 26 Apr 94.

NISE East: Expect same level of functions, manning level, and training requirements.

Data Source: **Bernie Nettles, NISE East Code 0AA**

EODMU Twelve: Anticipate six Ordnance Clearance Detachments, One Area Search Detachment, and One Mobile Communications Detachment. Will continue operational and training for wartime missions with annual deployments to various NATO Exercises throughout each year.

Data Source: **CO, EODMU Twelve ltr 5230 00 of 26 May 1994**

10.4 Does your activity possess any specialized, unique or peculiar characteristics to facilitate the reserve training?

WPNSTA Charleston operates a complete Receipt, Segregation, Storage, and Issue RSS&I) facility for explosive materials. Additionally, WPNSTA Charleston performs renovation and demilitarization to ordnance material and operates explosive outload facilities. Existence of these operations at WPNSTA Charleston allows assigned reserves to be trained in all aspects of ordnance operations, thereby providing maximum preparation for mobilization.

Reservist must complete one or more of ten Job Qualification Requirements for ordnance specific billets in addition to 7 ordnance related indoctrination courses applicable to all SELRES.
Data Source: **NAVSEAINST 8020.9, Title 49CFR (DOT), WPNSTA Charleston Instructions, and NAVSEA OP5.1**

NISE East provides on the job training and recieves support from reservists for operational Electronic Warfare Cryptology and Communications Laboratories.

Data Source: **Bernie Nettles, Code 0AA, NISE East**

EODMU Twelve maintains an operational commitment to Commander, Explosive Ordnance Disposal Group TWO in the mission areas of diving and demolition and maintains all diving, demolition equipment and material to support this training. The demolition range on WPNSTA CHASN, and the boat ramps on WPNSTA CHASN Southside are critical to meet mission training requirements.

Data Source: **CO, EODMU Twelve ltr 5230 00 of 26 May 1994.**

Costs

11. Investments

11.1. List the project number, description, funding year, and value of the *capital improvements at your base completed (beneficial occupancy) during FY 1988 to FY 1994.* Indicate if the capital improvement is a result of BRAC realignments or closures.

Table 11.1: Capital Improvement Expenditure

Project	Description	Fund Year	Value ($K)
	Water Distribution B-65	**88**	**20.3**
	Addition B-910	**88**	**58.7**
	Office Addition B-366	**88**	**31.5**
	A/E Design Costs	**88**	**12.2**
	Addition B-31	**88**	**168.2**
	Addition to Parts Section B-900	**88**	**49.5**
	Construct 35X70 Metal Bldg B-900	**88**	**85.4**
	Construct New Blocking/Bracing Shop	**88**	**183.1**
	MPF Sites 4 and 5	**88**	**23.2**
P-733	**Tomahawk Magazine**	**88**	**1,670.0**
ACP	**Equipment, Miscellaneous**	**88**	**2,793.0**
ACP	**Civil Engineering Support Equipment**	**88**	**2,970.0**
ACP	**Materials Handling Equipment**	**88**	**554.0**
ACP	**Alterations/Modifications**	**88**	**641.0**
	Total FY88		**9,260.1**

Table 11.1: Capital Improvement Expenditure (continued)

Project	Description	Fund Year	Value ($K)
	Construct 13.8 KVA Dist (Redbank Power Loop)	**89**	**53.2**
	Construct Hardstand Post 2	**89**	**34.3**
	Construct Shed Over Weight Test Pad	**89**	**35.2**
	Construct 20'X20' Equip Storage Bldg	**89**	**23.2**
	Pave Road MPS Sites 1, 2, 3	**89**	**11.3**
	Construct Weight Test Facility for Cranes	**89**	**18.5**
	Construct 12' X 12' Concrete Bldg NR B-819	**89**	**11.1**
	Asphalt Surface, B-72-75 & 65	**89**	**46.0**
	Construct Concrete Surface for Storage Bldg	**89**	**14.7**
	Chain Link Fence	**89**	**11.6**
	Construct MPS Site 5 with Lighting	**89**	**176.6**
	Const 40'X50' Bldg (Ord Car Shop)	**89**	**15.6**
	Base Elect Sys Eng Plan for Comm Ctr	**89**	**5.0**
	Expand Truck Holding Area Site 4	**89**	**136.9**
	Install Lightning Prot Prod Bldgs	**89**	**164.8**
	A&E Conv Bldg to Command/Comm Ctr	**89**	**7.7**
	Concrete Slab for MPS Sites 1, 2, 3	**89**	**29.0**
P-782	**Tomahawk Magazines**	**89**	**3,620.0**
P-732	**Tomahawk Magazines (Inert Storehouse)**	**89**	**470.0**
P-811	**Standard Missile Facility**	**89**	**9,400.0**
P-748	**MK-50 Torpedo Facility**	**89**	**3,390.0**
P-813	**Electrical Distribution**	**89**	**2,900.0**
	Construct 16' X 16' Pump House	**89**	**29.0**
	Pave Area at Inert Storage Area	**89**	**10.2**
ACP	**Miscellaneous Equipment**	**89**	**868.0**
ACP	**Civil Engineering Support Equipment**	**89**	**1,703.0**
ACP	**Materials Handling Equipment**	**89**	**395.0**
ACP	**Alterations/Modifications**	**89**	**370.0**
	Total FY89		**23,949.9**

Table 11.1: Capital Improvement Expenditure (continued)

Project	Description	Fund Year	Value ($K)
	A&E to Reconfigure Parking	**90**	**18.5**
	Modify Bldg for TMD Production	**90**	**78.7**
	A&E Modify Bldg for TMD Production	**90**	**5.9**
	Construct PW Tool Room	**90**	**41.9**
	Construct Chain Link Fence	**90**	**9.8**
	Construct Storage Shed	**90**	**6.1**
	Construct 20' X 40' Storage Room	**90**	**5.7**
	Reroute Post 2	**90**	**6.7**
	Construct Lumber Shed	**90**	**23.9**
	Construct Storage Shed	**90**	**22.1**
	Construct Roof Laydown Area	**90**	**14.8**
	Convert Command to Communication Ctr	**90**	**137.5**
	A&E for Addition to B-5	**90**	**14.2**
	A&E for 52' X 43' Addn to B-84	**90**	**16.2**
	Construct 52' X 43' Addn to B-84	**90**	**113.8**
	Construct Hardstand-MPS Cont Rpr	**90**	**116.4**
	Construct MPS Site 4	**90**	**7.0**
P-340	**Alternate Access Road**	**90**	**4,600.0**
OPN	**Equipment > $500K**	**90**	**1,074.0**
OPN	**Equipment < $500K**	**90**	**1,094.0**
OPN	**ADP Equipment < $500K**	**90**	**223.0**
ACP	**Items Obligated Prior 20 Nov 89**	**90**	**600.0**
	Total FY90		**8,230.2**

Table 11.1: Capital Improvement Expenditure (continued)

Project	Description	Fund Year	Value ($K)
P-784	**Tomahawk Magazine**	**91**	**1,910.0**
P-869	**Propulsion Training Facility**	**91**	**25,120.0**
P-927	**Construct/Repair Piers (Hugo)**	**91**	**2,700.0**
P-929	**Construct Transit Shed (Hugo)**	**91**	**530.0**
P-930	**Construct Inert Storehouse (Hugo)**	**91**	**4,500.0**
P-931	**Construct General Warehouse (Hugo)**	**91**	**6,200.0**
	A&E Construct Metal Bldg NR B-987	**91**	**6.0**
	A&E Additional Office Space	**91**	**12.4**
	Construct Addition to B-5	**91**	**170.5**
	Construct Addition to B-5	**91**	**10.2**
	Reconfigure Parking Area/Const Truck Insp Sta	**91**	**186.3**
	Reconfigure Parking Area/Const Truck Insp Sta	**91**	**11.2**
	Construct Metal Bldg NR B-987	**91**	**109.8**
	Construct Metal Bldg NR B-987	**91**	**6.6**
OPN	**Equipment, Miscellaneous < $500K**	**91**	**1,906.0**
OPN	**ADP Equipment < $500K**	**91**	**649.0**
	Total FY91		**24,028.0**

Table 11.1: Capital Improvement Expenditure (continued)

Project	Description	Fund Year	Value ($K)
P-783	**Tomahawk Magazine**	**92**	**2,150.0**
P-803	**MK-50 Torpedo Magazine**	**92**	**1,100.0**
F1-0122	**Enclose Awning Area B-189**	**92**	**17.5**
P2-629	**Construct Facade B-84**	**92**	**15.5**
P2-278	**A&E Construct Metal Bldg at Traffic Division (QM Office) B-2315**	**92**	**4.9**
P0-674A	**A&E Additional Space Supply & Transp B-209**	**92**	**3.9**
S7-085	**Install Central A/C Office Area B-1**	**92**	**85.0**
P2-278	**Construct Addition QM Office B-2315**	**92**	**59.8**
P4-743	**A&E Design for Office B-900**	**92**	**4.8**
S0-037	**A&E to Construct Addition B-1**	**92**	**13.0**
P0-778	**A&E to Construct Utility B-311**	**92**	**11.0**
P2-826	**Construct Water Main at NWS South**	**92**	**123.6**
CPP P-1005	**Storage Server B-13**	**92**	**136.5**
CPP P-1041	**Slopemaster Lawn Mower**	**92**	**47.5**
CPP P-2014	**CNC Press Brake B-74**	**92**	**20.5**
CPP P-2003	**Counter Calibrator B-189**	**92**	**63.6**
CPP P-8044	**Lift a Load Trailers**	**92**	**37.1**
CPP P-2017	**Disk Drive B-13**	**92**	**18.0**
CPP P-7025	**Defuzing Machine B-419**	**92**	**130.3**
CPP P-2020	**Calibration Measuring System B-189**	**92**	**30.7**
	Total 92		**4,073.2**

Table 11.1: Capital Improvement Expenditure (continued)

Project	Description	Fund Year	Value ($K)
P2-787	**Handicap Renovations B-24**	**93**	**21.2**
O7-033	**A&E to Install Heat B-65**	**93**	**1.6**
O9-106	**Install Door Opener B-449/756**	**93**	**16.6**
O1-020	**Pave & Roc Parking Lot B-206**	**93**	**15.2**
S2-040	**A&E Services B-910**	**93**	**5.8**
O0-116	**A&E to Construct Bathrooms B-65**	**93**	**13.2**
P0-776	**Construct Roof Extensions over Each Bay B-940**	**93**	**29.8**
P2-787	**A&E Construct Handicap Impr B-1**	**93**	**1.3**
P1-271	**Install Fencing Water Tanks 19/406**	**93**	**17.3**
O7-033/ O0-116	**Inst Heat/Bthrm Inert Warehouse B-65**	**93**	**180.2**
O3-014	**A&E Construct Bldg Addition B-74**	**93**	**13.1**
P0-776	**A&E Construct Canopy B-940**	**93**	**7.4**
X0-041	**A&E Construct PCB Storage**	**93**	**7.0**
P3-518	**Construct Oil Containment at Pier B**	**93**	**46.4**
P3-518	**Construct Oil Containment at Pier B**	**93**	**47.6**
P3-518	**Construct Oil Containment Boom**	**93**	**113.6**
P0-556	**A&E for Haz. Waste Storage B-380**	**93**	**4.4**
P-880	**Hazardous Waste Storage**	**93**	**540.0**
P-544	**Ord Fire Fight System**	**93**	**510.0**
CPP	**Replacement Equipment (Non-ADPE)**	**93**	**469.0**
CPP	**Mission ADP Equipment**	**93**	**389.0**
	Total FY93		**2,470.9**

Table 11.1: Capital Improvement Expenditure (continued)

Project	Description	Fund Year	Value ($K)
X0-041	**Construct 25' X 50' PCB Storage**	**94**	**48.5**
X0-041	**A&E Construct 25' X 50' PCB Storage**	**94**	**3.5**
P0-556	**Construct Temp Hazardous Waste Fac**	**94**	**52.0**
P1-271	**Construct Hazardous Matl Reutil Fac**	**94**	**50.0**
P3-755	**Construct Fleet Oily Waste Unit**	**94**	**30.0**
P4-682	**Upgrade Sandblast Facility**	**94**	**86.0**
O3-014	**Construct Addition B-74**	**94**	**111.0**
O9-122	**Motorize Doors MAG-10**	**94**	**30.0**
O0-116/ O7-033	**Install Heat/Bathroom B-65**	**94**	**6.0***
P4-743	**Construct Addition to B-900**	**94**	**175.0**
O0-102	**A&E Install Power/Lights MAG-100**	**94**	**8.0**
P4-594	**A&E Install Oil Cont Boom at Wharf Alpha**	**94**	**10.0**
P-786	**FBM Fire Fighting Water Improvements**	**94**	**550.0**
CPP P-4023	**Electronic Telephone System**	**94**	**38.0**
CPP P-4026	**Aerial Tower Truck**	**94**	**55.0**
CPP P-4025	**Platen Table**	**94**	**35.0**
CPP P-4009	**ADPE Local Area Network Expansion**	**94**	**280.0**
	Total FY94		**2,160.0**

*** FY-93 within scope change order funded in FY-94 (Contract N62467-93-C-4479).**

Data Source: **Code 09 Financial Records (Spreadsheets) and Code 05 Capital Purchase Program (CPP) Authority**

11.2. List the project number, description, funding year, and value of the *non-BRAC related capital improvements planned* for years FY 1995 through FY 1997.

Table 11.2: Planned Capital improvements

Project	Description	Fund Year	Value ($K)
PI2-2042	B-30, Replace Building	95	90.0
S2-040	B-910, Install HVAC	95	90.0
P4-593	B-1, Install Handicap Improvements	95	45.0
P4-594	Wharf A, Install Oil Containment Boom	95	175.0
XE4-533	A/E, Install Air Emission Controls	95	5.0
P4-649	A/E, Design Control Sandblast Facility	95	22.0
O0-102	Install Power/Lights MAG 100	95	110.0
O0-138	A/E Design 3200 SF Warehouse B-419	95	5.0
CPP P-5007	Precision Pressure Standard B-189	95	38.0
CPP P-5002	Video Imaging System B-31	95	34.0
CPP P-5005	Two-Way Radio Console B-31	95	102.0
		Total FY95	716.0
P0-778	Construct Utility Building B-311	96	175.0
O0-138	Construct 3200 SF Warehouse B-419	96	80.0
XE4-533	Install Emission Controls Paint Booth B-79	96	100.0
P4-649	Construct Central Sandblast Facility	96	200.0
	A/E Environmental Projects	96	30.0
	A/E FY96/97 Projects	96	15.0
MILCON	POMFLANT Modifications (Army)	96	35,200.0
CPP P-5003	Rough Terrain Container Handler	96	161.0
CPP P-6001	Fire Trucks (2)	96	360.0
CPP P-6002	Wrecker 25-Ton	96	140.0
CPP P-6003	Video Imaging Badging System B-31	96	34.0
CPP P-6004	Line and Pole Truck	96	63.0
CPP P-6005	Forklift Rough Terrain (2)	96	134.0
CPP P-6006	Forklift Diesel (6)	96	150.0
CPP P-6007	Truck 5-Ton Stake (2)	96	68.0
CPP P-6008	Tank Truck	96	60.0
CPP P-6009	Stake Truck (3)	96	78.0
CPP P-6010	Crane Cruiser	96	300.0

Project	Description	Fund Year	Value ($K)
		Total 96	**37,348.0**
XE4-544	**Air Emission Controls B-84**	**97**	**40.0**
XE4-538	**Convert Boilers to Burn Used Oil**	**97**	**175.0**
	A/E Outyear Environmental Projects	**97**	**50.0**
CPP P-7004	**Fire Truck**	**97**	**200.0**
CPP P-7005	**Road Grader**	**97**	**70.0**
MILCON	**Wharf Alpha Mods (Army)**	**97**	**9,400.0**
		Total 97	**9,935.0**

Data Source: Code 05/09 Capitalized Purchase Program (Minor Construction and Equipment); Code 09 Army Strategic Logistics Mobility MILCON Program

11. Investment, continued

11.3 List the project number, description, funding year, and value of the *BRAC related capital improvements planned* for FY 1995 through FY 1999.

Table 11.3: Planned BRAC Capital improvements

Project	Description	Fund Year	Value
P-001T	**Engineering Center phase I**	**94**	**8,000.0**
P-002T	**Engineering Center phase II**	**95**	**35,400.0**
P-364T	**Cargo handling facility**	**95**	**1,400.0**
P-054	**COMOMAG facility**	**95**	**810.0**

Data Source: **NAVFAC BRAC MILCON Program**

11. Investment, continued

11.4 Identify by Investment Category Code and Name (e.g. 05-Training Facilities; 14-Administration) the actual investment at your activity, to include all MCON, maintenance and repair, installed equipment, and minor construction, in thousands of dollars ($ K) over the period FY 1990 through FY 1994 for all your facilities. Report separately all other Class 2 equipment investments. The following table should include your responses to questions 11.1-11.3 above.

Table 11.4: Historic Investment Summary

ICC	ACTUAL INVESTMENT (FY90)	$ K
01	Aviation Operational Facilities	0.0
02	Communication Operational Facilities	213.7
03	Waterfront Operational Facilities	320.7
04	Other Operational Facilities	31.8
05	Training Facilities	0.0
06	Aviation Maintenance/Production	0.0
06	Shipyard Maintenance/Production	0.0
08	Other Maintenance/Production	258.6
09	RDT&E	206.3
10	POL Supply/Storage	0.0
11	Ammo Supply/Storage	38.7
12	Other Supply/Storage	151.9
13	Medical	23.8
14	Administrative	210.4
15	Troop Housing/Messing	0.0
16	Other Personnel Support & Service	65.0
17	Utilities	559.0
18	Real Estate & Ground Structures	6,326.1
00	OverHead/Maintenance/Emergency Services	2,110.9
00	Equipment (other than Class 2)	3,051.0
	Activity TOTAL	13,567.2

ICC	ACTUAL INVESTMENT (FY91)	$ K
01	Aviation Operational Facilities	0.0
02	Communication Operational Facilities	208.4
03	Waterfront Operational Facilities	457.6
04	Other Operational Facilities	513.1
05	Training Facilities	1.4
06	Aviation Maintenance/Production	0.0
07	Shipyard Maintenance/Production	0.0
08	Other Maintenance/Production	2,018.5
09	RDT&E	0.0
10	POL Supply/Storage	0.0
11	Ammo Supply/Storage	3,210.5
12	Other Supply/Storage	42.4
13	Medical	0.0
14	Administrative	234.7
15	Troop Housing/Messing	5.0
16	Other Personnel Support & Service	32.4
17	Utilities	218.6
18	Real Estate & Ground Structures	4,498.5
00	Over-Head/Maintenance/Emergency Services	2,302.1
00	Equipment (other than Class 2)	2,555.0
	Activity TOTAL	16,298.2

ICC	ACTUAL INVESTMENT (FY92)	$ K
01	Aviation Operational Facilities	0.0
02	Communication Operational Facilities	1.6
03	Waterfront Operational Facilities	816.2
04	Other Operational Facilities	47.4
05	Training Facilities	22.7
06	Aviation Maintenance/Production	0.0
07	Shipyard Maintenance/Production	3.9
08	Other Maintenance/Production	185.1
09	RDT&E	0.0
10	POL Supply/Storage	0.0
11	Ammo Supply/Storage	3,368.8
12	Other Supply/Storage	111.6
13	Medical	0.0
14	Administrative	302.0
15	Troop Housing/Messing	0.0
16	Other Personnel Support & Service	80.2
17	Utilities	186.9
18	Real Estate & Ground Structures	1,436.9
00	Over-Head/Maintenance/Emergency Services	2,261.0
00	Equipment (other than Class 2)	484.0
	Activity TOTAL	9,308.3

ICC	ACTUAL INVESTMENT (FY93)	$ K
01	Aviation Operational Facilities	0.0
02	Communication Operational Facilities	0.0
03	Waterfront Operational Facilities	787.0
04	Other Operational Facilities	553.4
05	Training Facilities	6.9
06	Aviation Maintenance/Production	0.0
07	Shipyard Maintenance/Production	0.0
08	Other Maintenance/Production	507.8
09	RDT&E	0.0
10	POL Supply/Storage	0.0
11	Ammo Supply/Storage	410.1
12	Other Supply/Storage	44.0
13	Medical	0.0
14	Administrative	283.1
15	Troop Housing/Messing	0.0
16	Other Personnel Support & Service	84.7
17	Utilities	1,602.4
18	Real Estate & Ground Structures	1,467.0
00	Over-Head/Maintenance/Emergency Services	2,299.1
00	Equipment (other than Class 2)	858.0
	Activity TOTAL	8,903.5

ICC	ACTUAL INVESTMENT (FY94)	$ K
01	Aviation Operational Facilities	0.0
02	Communication Operational Facilities	5.0
03	Waterfront Operational Facilities	452.8
04	Other Operational Facilities	310.4
05	Training Facilities	10.1
06	Aviation Maintenance/Production	0.0
07	Shipyard Maintenance/Production	2.3
08	Other Maintenance/Production	761.3
09	RDT&E	0.0
10	POL Supply/Storage	15.0
11	Ammo Supply/Storage	455.0
12	Other Supply/Storage	384.7
13	Medical	0.0
14	Administrative	207.5
15	Troop Housing/Messing	0.0
16	Other Personnel Support & Service	135.5
17	Utilities	1,063.5
18	Real Estate & Ground Structures	1,789.0
00	Over-Head/Maintenance/Emergency Services	613.4
00	Equipment (other than Class 2)	367.0
	Activity TOTAL	6,572.5

11.5 What is the total planned investment, in thousands of dollars ($ K), over the period FY 1995 through FY 2001?

Total Planned Investments = $ **121,164** K

Data Source: **NAVSEA MILCON Program; Army Strategic Mobility Base MILCON Program; PB 27; planned NWS budget from FY95 through FY97. Equipment portion - CPP Manager.**

11. Investments, continued

11.6 Provide a list of all other documented major facility deficiencies not addressed in 11.1-11.3 (e.g. major repairs) and the estimated cost to rectify each at this activity. Identify the reduction in operating costs anticipated in relation to each deficiency correction.

Note by Charleston Naval Dental Center.[5]

Table 11.6: Facility Deficiencies

THESE ARE ALL DEFERRABLE, NON-CRITICAL DEFICIENCIES. NO CRITICAL DEFICIENCIES WERE REPORTED PER FY93 ANNUAL INSPECTION SUMMARY (AIS)

Deficiency	Cost to Correct ($ K)	Result of Corrections
Rmv/site assessment UST @ old srv mart XE4-500	**135.0**	**0**
Construct 90-day hazwste storage area XE4-502	**40.0**	**$3K/YR**
Rmv/rpl berm's abvegrnd fuel tank sites XE4-503	**45.0**	**0**
Construct hazmat self-help storage facility XE4-510	**60.0**	**0**
Rmv UST/associated o/w separator hobby shop XE4-516	**35.0**	**0**
Construct new PCB storage facility XE4-520	**40.0**	**0**
Upgrade o/w separators/rmv UST's/install frac tank at lift station XE4-521	**80.0**	**0**
Install air emission ctrls @ paint booths XE4-543	**50.0**	**0**
Install air emission controls at incinerators XE4-544	**50.0**	**0**
Designate/const solid waste composting facility	**25.0**	**0**
Test for PCB's in circuit brkrs/reclosers/cable XE4-549	**55.0**	**0**
Construct impervious containment for abvgrnd storage tanks (3238, 3214, 3841) XE4-550	**40.0**	**0**
Construct impervious containment for abvgrnd storage tanks (355, 214B) XE4-551	**45.0**	**0**
Construct impervious containment for abvgrnd storage tanks (3231, 3201, 3408, 3222D) XE4-552	**50.0**	**0**

[5] NOTE: As submitted during Dental BRAC 93 Data Calls, the Branch Dental Clinic located on the WPNSTA Charleston, will be grossly inadequate upon closure/disestablishment on 30 Sep 95 of the Naval Dental Center located at Naval Station Charleston. The remaining expected patient population of active duty personnel in the Charleston area will require approximately seven Dental Officers, one dental hygienist, and approx. four technicians. A Basic Facility Requirements Study was submitted for a new building for the WPNSTA Charleston Branch Dental Clinic during BRAC 93. The projected cost of $1,275,000 was not funded. Interim plans are to place one mobile dental trailer and one Atlantic Fleet Van adjacent to the Branch Clinic. Other staff personnel will utilize the Charleston Air Force Base Dental Clinic as required.

Deficiency	Cost to Correct ($ K)	Result of Corrections
Provide secondary containment for fuel truck parking areas XE4-554	**30.0**	**0**
Provide secondary containment for truck loading area XE4-557	**90.0**	**0**
Resurface receiving yard	**25.0**	**0**
Rmv RR ties/various locations	**26.3**	**0**
Widen EOD Range road/overlay	**25.0**	**0**
Various rprs to Building 76	**75.0**	**0**
Mags 254-259/install fence	**62.0**	**0**
Construct new gatehouse	**35.0**	**0**
Various rprs to Building 731	**28.0**	**0**
Site apprvl/extend parking area	**30.0**	**0**
Install loading ramp/floating dock	**25.0**	**0**
Rpr floor/wall cracks in various mags	**29.0**	**0**
Rmv crane from 32/install at 419	**25.0**	**0**
Rpr safety deficiencies in various mags	**50.0**	**0**
Install fuel level gauge on boiler	**25.0**	**0**
Rmv mud/weeds from mag aprons	**35.5**	**0**
Construct concrete pad	**30.0**	**0**
Repave/stripe roads NWS	**200.0**	**0**
Rpl service drops	**50.0**	**0**
Rpr Building 386	**25.0**	**0**
Rpl air compressor	**55.0**	**0**
Asbestos removal structural	**140.0**	**0**
Overlay stripe paved parking lots	**30.0**	**0**
Maintenance/Paint Building 767	**30.0**	**0**
Rpl heat pump	**25.0**	**0**
Rpr RR/Rpl ties, surface align, level	**150.0**	**0**
Rpl (2) oil tanks (A & B)/20,000 gallon	**35.0**	**0**
Overlay parking lots (950)	**40.0**	**0**
Overlay parking lots (942)	**40.0**	**0**
Maintenance/paint exterior (708)	**25.0**	**0**
Rpl roof (725)	**250.0**	**0**

Deficiency	Cost to Correct ($ K)	Result of Corrections
Demo/cleanup Pest Control Building 50	**146.0**	**0**
Rpr clarifier	**180.0**	**0**
Remount Road Backflow Prevention	**90.0**	**0**
Rpl electric pwr service/lighting	**50.0**	**0**
M/R to fire alarm systems NWS	**75.0**	**0**
M/R to fire alarm systems	**100.0**	**0**
Rpl rotten pwr poles/hardware	**175.0**	**0**
Rpl deteriorated poles Electric Dist A	**50.0**	**0**
Rpl bad transformers Electric Dist A	**50.0**	**0**
Rpl AC System (784)	**25.0**	**0**
Scrape unpaved roads/Rpl drain pipe	**25.0**	**0**
Rpr potholes/road shoulder	**25.0**	**0**
Repave/stripe roads - GP 13-14/940, 74, 32	**50.0**	**0**
Rpr parking lots (1, 2, 5, 84, 31)	**100.0**	**0**
Rpl overlay/stripe parking lots (70)	**25.0**	**0**
Rpl overlay/stripe parking lots (Pier B, 88, 76)	**90.0**	**0**
Rpr parking lots (36, 13)	**75.0**	**0**
Rmv bushes/trees from crossing/curves/RR NWS	**25.0**	**0**
Rpr RR/Rpl ties, surface align, level	**100.0**	**0**
Rpl PMPS at lift station	**25.0**	**0**
Asbestos Removal (36)	**135.0**	**0**
Asbestos Removal (71)	**25.0**	**0**
Asbestos Removal (94)	**25.0**	**0**
Rpr main/valves/Rpl valve boxes/missing lines (NWS)	**150.0**	**0**
Recap/stripe parking lots (3238, 3440)	**40.0**	**0**
Rpl main/valver/Transite wtr mains (Menriv Hous)	**195.0**	**0**
Switching station Wharf A	**100.0**	**0**
Maintenance/paint interior (58)	**25.0**	**0**
Maintenance/paint exterior (725)	**30.0**	**0**
Rpl sand filters	**174.0**	**0**
Rpr to filter system	**150.0**	**0**
Rpl rotten pwr poles/hardware (Elec Dist N)	**270.0**	**0**

Deficiency	Cost to Correct ($ K)	Result of Corrections
Rpl bad transformers (Elec Dist H)	**220.0**	**0**
Rpl heat pumps (71)	**100.0**	**0**
Rpl AC/Heat system (36)	**50.0**	**0**
Rpl heat pumps (706)	**30.0**	**0**
Add to both side of bldg 380	**30.0**	**0**
Controlled Inspection Misc Repairs B-5	**57.0**	**0**
Controlled Inspection Misc Repairs B-70	**32.0**	**0**
Controlled Inspection Misc Repairs B-71	**47.0**	**0**
Controlled Inspection B-900	**35.8**	**0**
Controlled Inspection Misc Repairs B-36	**56.9**	**0**
Controlled Inspection Misc Repairs B-58	**32.8**	**0**
Controlled Inspection Misc Repairs B-65	**31.0**	**0**
Controlled Inspection Misc Repairs B-339	**38.9**	**0**
Controlled Inspection Misc Repairs B-366	**34.1**	**0**
Controlled Inspection Misc Repairs B-380	**28.4**	**0**
Controlled Inspection Misc Repairs B-419	**39.1**	**0**
Replace A/C System B-93	**150.0**	**0**
Evaluate/Repair HVAC System B-189	**50.0**	**0**
Repairs to R/R Groups 9/10/11	**221.0**	**0**
Replace Service Drops (Elec Dis M)	**50.0**	**0**
Plumb and Tamp Poles (Elec Dis N)	**50.0**	**0**
Replace Service Drops (Elec Dis M)	**50.0**	**0**
Replace OH Dist Conductor (Elec Dis H)	**215.0**	**0**
Repair Ungrnd Elec Dist Sys (Elec Dis M)	**75.0**	**0**
Replace Pole Top Switches (Elec Dis N)	**150.0**	**0**
Repair OH Dist Sys (Elec Dis P)	**150.0**	**0**
Replace Oil Switches (Elec Dis N)	**100.0**	**0**
Dredging and Diking (B-5)	**563.4**	**0**
Install Pre-Trmt Stations A/B/C (San Swr N)	**55.0**	**0**
Install Rd Centerline Reflectors (Rd Paved N)	**35.0**	**0**
Repr Erosion Red Bank Rd/Fence Line (Grndsemi N)	**200.0**	**0**
Dev/Update SPCC Plan B-70	**199.0**	**0**

Deficiency	Cost to Correct ($ K)	Result of Corrections
Close Out Treatment WPNSTA/SA/POMF (B-70)	100.0	0
Repair Light Towers B-167	64.0	0
Replace Trackage on Pier B-167	258.0	0
Repr Watt Hour Meters (Elec Dis N)	25.0	0
Install HV Elbows and Boxes (Elec Dis N)	25.0	0
Replace Water Line (Wtr Dist A)	100.0	0
Replace 4000 Gal Undgrd Fuel Oil Tanks B-316	181.2	0
Demolish Building B-935	40.0	0
Misc Repairs to TC Dock B-3851	178.8	0
Misc Repairs to Pier C (B-908)	52.0	0
Misc Repairs to Wharf Alpha (B-945)	38.0	0
Misc Repairs to B-87	57.0	0
Misc Repairs to B-70	129.0	0
Replace HVAC System B-91	30.0	0
Repair Roof B-1	150.0	0
Construct New Building (B-30)	60.0	0
Est/Demol/Remove Fuel Tanks (B-3461)	141.0	0
Various and Numerous Repairs (B-3310)	100.0	0
Addition to Bowling Center (B-784)	837.0	0
Relocate Fuel Tank (B-755)	40.0	0
Resurface Tennis Courts B-840	25.0	0
Site Survey B-290	25.0	0
Cost Est/Expansion Fitness Center (B-708)	200.0	0
Cost Est Upgrade Gym (Bldg 708)	100.0	0
Cost Est/Upgrad Bowling Equipment (B-784)	100.0	0
Upgrade Barracks Bldg-909	200.0	0
Vent Line Problems (B-708)	50.0	0
Upgrade Bldg-72	25.0	0
Various Repairs B-3544	50.0	0
Perform Work from Video Conf. B-2314	25.0	0
Rpl AC (708)	100.0	0
Scrape unpaved roads/Rpl drain pipe (NWS)	35.0	0

Deficiency	Cost to Correct ($ K)	Result of Corrections
Rpr potholes/road shoulder (NWS)	**125.0**	**0**
Rpl (2) oil tanks (A & B)	**25.0**	**0**
Asbestos removal	**25.0**	**0**
Rpl pumps at lift stations (NWS)	**25.0**	**0**
Overlay/stripe parking lot (706)	**40.0**	**0**
Overlay/stripe parking lot (731)	**25.0**	**0**
Overlay/stripe parking lot (907)	**25.0**	**0**
Maintenance/paint interior (3238)	**25.0**	**0**
Maintenance/paint dock and walkway (200)	**35.0**	**0**
Lift Station monitors (SAN SWR N)	**318.0**	**0**
Overlay Missile Rd to rush gate to Bldg 76	**75.0**	**0**
Asbestos removal (73)	**25.0**	**0**
Rpl sewer pumps/piping (1389)	**33.0**	**0**
Rpr main/three section (Housing area)	**150.0**	**0**
Recap/stripe parking lots (3300)	**25.0**	**0**
Rpl Heating System (74)	**75.0**	**0**
Rpl AC (950)	**30.0**	**0**
Rpr drainage ditch (Mags 11, 12)	**195.0**	**0**
Asbestos removal (89)	**25.0**	**0**
Rpl sewer pumps/piping (709)	**33.0**	**0**
Rpr/Rpl Roof (940)	**153.0**	**0**
Maintenance/paint (3426)	**30.0**	**0**
Water distribution mapping (WTR DIST N)	**60.0**	**0**
Dredging and Diking (NWS)	**686.4**	**0**
Install Electric Meters (NWS)	**25.0**	**0**
Rpl UST (784)	**40.0**	**0**
Cleanup UST (5)	**100.0**	**0**
Rpr piles/walers/parts of fender system (167)	**25.0**	**0**
Provide AC/Electric service to shop equipment	**40.0**	**0**
TOTAL	**14,501.6**	

Data Source: **AIS and BASEREP.**

Strategic Concerns

12. Stand Alone and Location Factors

12.1 Identify the support (police, fire protection, etc.) now that is now provided by a nearby base, station or activity and will be needed by your facility if that activity is closed.

Table 12.1: Support Facilities

Support	Currently Obtained from:	Needed if Host Closes?
Police	**Self**	**N/A**
Security	**Self**	**N/A**
Fire	**Self & CAFB**[6]	**See note** [6]
Cafeteria	**Self**	**N/A**
Parking	**Self**	**N/A**
Utilities	**Self & Contract**	**N/A**
Child Care	**Self**	**N/A**
Port Services	**Naval Station Charleston**	**Yes**[7]

12.2 What is the distance in nautical miles and the average transit time from your activity to the open sea?

Distance = **20** NM

Transit Time = **2.0** hours

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[6] **Charleston Air Force Base (CAFB) provides fire protection to our Hunley Park Housing area which is remote to our activity (Ref: Interservice Support Agreement FB4418-91158-014). This service could be provided by the city under a mutual aid agreement. The release of Hunley Park Housing to the Air Force is currently under consideration.**

[7] **WPNSTA Charleston will provide port services. Tug and pilot services to be provided by contract.**

Data Source: **Vicinity map of Charleston area.**

12.3 List and indicate the distance in road-miles to Interstate Highways, airports of embarkation, seaports of embarkation, and cargo rail terminals.

Interstate Highway (I-526) = .7 miles	**Seaports of embarkation = .2 miles**
Airports of embarkation = 3.0 miles	**Cargo rail terminals = .0 miles (Internal [8])**

Data Source: **T. D'Agostino, CIC, Military Sealift Command**

[8] **WPNSTA Charleston is serviced by CSX Railroad and Norfolk Southern Railroad. Mainline service also available by Union Pacific Railroad and AMTRAK in the Charleston area. While all companies provide freight service, AMTRAK also provides passenger service.**

12. Stand Alone and Location Factors, continued

12.4 Is your activity serviced by rail trackage providing direct access to the commercial rail network?
YES

If Yes, are you serviced by single or multiple tracks? **MULTIPLE** (# **2**)

If No, identify the distance in road-miles separating your activity from the nearest railhead/access.
Distance = **N/A** Miles

12.5 List the homeports within the service area of your facility and the distance to each.

Table 12.5: Proximity to Homeport

Homeport	Distance
WPNSTA CHARLESTON	**0 NM**
NAVSTA CHARLESTON	**5 NM**
NAVSTA MAYPORT, FLA	**135 NM**
NAVSTA PASCAGOULA, MS	**1,110 NM**
NAVSTA INGLESIDE, TX	**1,550 NM**
NAVSTA NORFOLK, VA	**434 NM**
SUBBASE KINGS BAY, GA	**125 NM**
NAVSTA MOBILE, ALA	**1,090 NM**

Data Source: **Port Services, NAVSTA Charleston, SC**

12.6 Identify the factors that limit access to your piers, i.e.bridge height restrictions, channel depth, turning basin constraints, etc. Identify by ship type the largest vessel that can gain access to your piers.

Table 12.6: Pier Access

Largest Vessel	Limiting Factors
LMSR Container/Breakbulk Ship	**Bridge Height (150 Ft. @ Mean High) and Water Depth (38 Ft. @ Mean Low) Turning Basin (1,500 Ft.)**

Data Source: **Pier Operations Foreman, Marine Cargo Planner, Public Works Engineering, MSC LANT Det Charleston, and SC Highway Dept.**

NOTE 6: Charleston Air Force Base (CAFB) provides fire protection to our Hunley Park Housing area which is remote to our activity (Ref: Interservice Support Agreement FB4418-91158-014). The service could be provided by the city under a mutual aid agreement. The release of Hunley Park Housing to the Air Force is currently under consideration.

NOTE 7: WPNSTA Charleston will provide port services beginning April 1996 due to the BRAC 93 decision to close Naval Station Charleston. Tug and pilot services to be provided by contract.

NOTE 8: WPNSTA Charleston is serviced by CSX Railroad and Norfolk Southern Railroad. Mainline service also available by Union Pacific and AMTRAK in the Charleston area. While all companies provide freight service, AMTRAK also provides passenger service.

12. Stand Alone and Location Factors, continued

12.4 Is your activity serviced by rail trackage providing direct access to the commercial rail network?
YES

If Yes, are you serviced by single or multiple tracks? **MULTIPLE** (# **2**)

If No, identify the distance in road-miles separating your activity from the nearest railhead/access.
Distance = **N/A** Miles

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NAVSTA MOBILE, ALA	**1,090 NM**

Data Source: **Port Services, NAVSTA Charleston, SC**

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Data Source: **Pier Operations Foreman, Marine Cargo Planner, Public Works Engineering, MSC LANT Det Charleston, and SC Highway Dept.**

Strategic Concerns

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13. Contingency and Mobilization Features

13.1 Identify the amount of storage space for explosives or munitions surplus to the planned need, expressed in square feet (SF) at your facility. (Note: For contingency and mobilization purposes, storage space includes revetments, railcars, barges, explosive holding yards, explosive anchorages and barricaded railroad sideyards.) Provide data for each category.

Table 13.1: Contingency/Mobilization Storage

Category of Space	Total SF	Total # of Units	Surplus for Contingency & Mobilization Requirements
Revetments	0	0	
Railcars (50' x 10')	81,400	168	30 ea total 15,000 SF
Barges	0	0	
Explosive Holding Yards	64,444	2	2 ea total 64,444 SF
Explosive Anchorages	50,265,482	1	1 ea @ 50,265,482 SF NEW is 1.0M (R
Barricaded Railroad Siding	28,080	6	1 ea @ 4,185 SF
Other (specify)			
MPF Sites	374,580	5 [9]	5 ea total 374,580 SF

Data Source: **WPNSTA Charleston P-164, Production Control Planner, Pier Foreman, and Public Works Engineering.**

13.2 What is the fraction and square footage of your excess to the total storage space that is or will be available at each location with the completion of the MILCON projects that have been awarded but are yet to be completed.

Fraction Excess = 0
Amount Excess = 0

No MILCON projects are currently awarded but not yet completed. No storage facilities are scheduled for WPNSTA Charleston.

Data Source: **Public Works Engineering.**

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[9] **MPF sites are required and fully utilized for normal operations; however, for periods of contingency and mobilization, the MPF assets are considered deployed. This deployment leaves the sites available to support additional explosive material storage requirements.**

Strategic Concerns

Revised pg

13. Contingency and Mobilization Features

13.1 Identify the amount of storage space for explosives or munitions surplus to the planned need, expressed in square feet (SF) at your facility. (Note: For contingency and mobilization purposes, storage space includes revetments, railcars, barges, explosive holding yards, explosive anchorages and barricaded railroad sideyards.) Provide data for each category.

Table 13.1: Contingency/Mobilization Storage

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Revetments	0	0	
Railcars (50' x 10')	81,400	168	30 ea total 15,000 SF (R
Barges	0	0	
Explosive Holding Yards	64,444	2	2 ea total 64,444 SF
Explosive Anchorages	50,265,482	1	1 ea @ 50,265,482 SF (R
Barricaded Railroad Siding	28,080	6	1 ea @ 4,185 SF (R
Other (specify)			
MPF Sites	374,580	5 [9]	5 ea total 374,580 SF

Data Source: **WPNSTA Charleston P-164, Production Control Planner, Pier Foreman, and Public Works Engineering.**

13.2 What is the fraction and square footage of your excess to the total storage space that is or will be available at each location with the completion of the MILCON projects that have been awarded but are yet to be completed.

Fraction Excess = 0
Amount Excess = 0

No MILCON projects are currently awarded but not yet completed. No storage facilities are scheduled for WPNSTA Charleston.

Data Source: **Public Works Engineering.**

[9] **MPF sites are required and fully utilized for normal operations; however, for periods of contingency and mobilization, the MPF assets are considered deployed. This deployment leaves the sites available to support additional explosive material storage requirements.**

Strategic Concerns

13. Contingency and Mobilization Features

13.1 Identify the amount of storage space for explosives or munitions surplus to the planned need, expressed in square feet (SF) at your facility. (Note: For contingency and mobilization purposes, storage space includes revetments, railcars, barges, explosive holding yards, explosive anchorages and barricaded railroad sideyards.) Provide data for each category.

Table 13.1: Contingency/Mobilization Storage

Category of Space	Total SF	# of Units	Comment
Revetments	**0**	**0**	
Railcars (50' x 10')	**15,000**	**30**	**30 ea @ 15,000 SF**
Barges	**0**	**0**	
Explosive Holding Yards	**64,444**	**2**	**2 ea @ 64,444 SF**
Explosive Anchorages	**50,265,482**	**1**	**1 ea @ 50,265 SF**
Barricaded Railroad Siding	**4,500**	**1**	**1 ea @ 4,185 SF**
Other (specify)			
MPF Sites	**374,580**	**5** [9]	**5 ea @ 374,580 SF**

Data Source: **WPNSTA Charleston P-164, Production Control Planner, Pier Foreman, and Public Works Engineering.**

13.2 What is the fraction and square footage of your excess to the total storage space that is or will be available at each location with the completion of the MILCON projects that have been awarded but are yet to be completed.

Fraction Excess = **0**
Amount Excess = **0**

No MILCON projects are currently awarded but not yet completed. No storage facilities are scheduled for WPNSTA Charleston.

Data Source: **Public Works Engineering.**

[9] **MPF sites are required and fully utilized for normal operations; however, for periods of contingency and mobilization, the MPF assets are considered deployed. This deployment leaves the sites available to support additional explosive material storage requirements.**

NOTE 9: MPF sites are required and fully utilized for normal operations; however, for periods of contingency and mobilization, the MPF assets are considered deployed. This deployment leaves the sites available to suppport additional explosive material storage requirements.

13. Contingency and Mobilization Features, continued

13.3 What ship berthing by general class, may be available for naval ship berthing during holiday surge periods? Address available berthing for the CVN, SSBN, CG-52, LPD, and FFG classes, as a minimum. State answers in terms of the number of ships that can berthed without nesting. Information is only desired on ship berthing, that, if used for holiday surge berthing, will not interfere with ongoing or planned logistic loadouts or downloading. Also indicate the largest ship possible that can be berthed at each pier and wharf.

Berthing: (See Note 1)

Wharf A	**2 ea AE/AOE** **or 2 ea SSBN** **or 2 ea CG-52** **or 2 ea FFG**
Pier C	**2 ea SSBN/SSN** **or 1 ea AE/AOE (Med Moored)** **or 1 ea AS (Med Moored)**
TC Dock	**2 ea AE/AOE** **or 2 ea SSBN/SSN** **or 2 ea CG-52** **or 2 ea FFG**
Pier B	**Not considered as available for Holiday surge berthing as it would be used for scheduled explosive operations.**

Largest Ship:

Wharf A - LMSR Container/Breakbulk Ship
Pier B - AS (Tender)
Pier C - AS (Tender)
TC Dock - LMSR Container/Breakbulk Ship

Data Source: **Waterfront Officer and Marine Cargo Planner.**

Note 1. Overall berthing combinations would be restricted to comply with established explosive limits and ESQD arcs.

13.4 Identify any HERO restrictions for operating radars and other sensors of Navy ships at your ordnance piers. Also identify any hot work restrictions or inhibitions against berthing POL or other ships with empty fuel tanks that are not gas-free.

The following are normal restrictions for all weapons stations:

HERO:

The operation of radar and other sensors are restricted only for purposes of maintaining the minimum safe separation distances for HERO UNSAFE, HERO UNRELIABLE, HERO SUSCEPTIBLE and HERO SAFE ordnance as required by NAVSEA OP 3565, Volume II. Accommodations are effected to permit safe transmissions when necessitated by ships requirements.

Data Source: **NAVSEA OP 3565 and NAVSEA OP5.**

HOT WORK:

Hot work restrictions are applicable as required by all Navy vessels and merchant ships located alongside ammunition piers. Hot work operations aboard vessels in or near a confined space must be certified by a Maritime Gasfree Engineer or a certified Marine Chemist.

Data Source: **NAVSEA OP4, NAVSEA OP5, National Fire Protection Association Manuals, OPNAVINST 8023.21C, OPNAVINST 8023.2C.**

Strategic Concerns

14. Natural Inhibitors of Operations

14.1 Identify the percent of the planned work schedule at your facility for the period FY 1990-1993 (averaged by month) interrupted by local weather or climatic conditions (i.e., how many man-years are lost annually by month because of: thunder storm, hurricane, tornado, blizzard, below freezing conditions, earthquake or other performance-impinging natural condition?).

Table 14.1.a: Impact on Operations

	January	February	March	April	May	June
Average % Schedule Interrupted	**0**	**0**	**0**	**0**	**1.3**	**1.3**

Table 14.1.b: Impact on Operations

	July	August	September	October	November	December
Average % Schedule Interrupted	**2.8**	**2.8**	**1.3**	**0**	**0**	**0**

Thunderstorms normally occur during the period May through September. Storms occurring during remainder of year are infrequent and seldom result in downtime.

Data Source: **Southeast Regional Climate Center and Charleston Air Force Base Weather Center.**

Environment and Encroachment

15. Environmental Considerations

15.1 Identify all environmental restrictions to expansion at your activity.

Four red-cockaded woodpecker colonies and two bald eagle nests are currently active in the WPNSTA North area. Expansion which could possibly jeopardize these species would call for a Section 7 consultation with the U.S Fish & Wildlife Service to minimize impacts on the species.

Federal laws protecting wetland areas could potentially alter expansion in areas were jurisdictional wetlands occur. Mitigation of wetland losses (creation or perpetual protection of wetlands in other places) can in most cases address wetland loss and allow projects to proceed.

Data Source: **Long Range Natural Resources Management Plan, Field Reports from U.S. Forest Service, Letter from S.C. Wildlife Department.**

15.2 Describe the undeveloped acreage or waterfront that is unique to the station or facility. Include any acreage that is suitable for industrial development.

The Naval Weapons Station has approximately 5.4 miles of waterfront. It is approximately 3.3 miles from the northern most ammunition handling wharf (Wharf A) to the southern most pier facility (TC Dock). Pier Bravo is capable of handling ammunition laden ships with a net explosive weight (NEW) of 1,950,000#. Pier Charlie is capable of handling ammunition laden ships with a NEW of 1,500,000#. Wharf Alpha is capable of handling ships with a NEW of 1,000,000# and is capable of handling RORO and container ships. Pier Bravo and Wharf Alpha have explosive handling portal cranes. The Naval Weapons Station woodlands are also home to the red-cockaded woodpecker and the bald eagle. Both of these animals are endangered species; neither of which live in the Explosive Arcs of the Piers.

WPNSTA Charleston has 8,712 acres within the boundaries of ESQD arcs. The combination of explosive piers, storage, and explosive production/maintenance facilities all within this ESQD arcs is unique within DOD.

TC Dock - This dock has the capability to on-load and off-load fuel. This dock routinely handles RORO type ships.

WPNSTA Charleston has 9,498 acres in the Navy Forestry Program, of which approximately 7,042 are available for development. Approximately 2,437 acres are within the established ESQD arcs.

15.3 Identify any specific facilities, programs, or capabilities in regard to the handling and disposal of hazardous materials / waste at your activity.

New consolidated/conforming Hazardous Waste storage facility is under construction, fleet oily waste tank truck support system is operational and a treatment/recycling system is under design.

Stationary Demil furnace and open detonation/open burning site for ordnance/explosives is operational.

Contract to construct a Hazardous Materials Reutilization Store is being released.

16. Encroachment Considerations

16.1 Identify any ground, industrial noise, approach channel, waterway, harbor, bridge height, turning basin, Explosive Quantity Distance Standard (ESQD), HERO, and airspace encroachments of record at your activity.

No encroachments identified for Explosive Safety Quantity Distance (ESQD) or HERO other than Navy owned, operated and controlled.

Table 16.1: Encroachments of Record

Encroachment	Date Recorded or Characteristic	Current Status
Ground	**None Recorded**	**N/A**
Industrial Noise	**None Recorded**	**N/A**
Waterway	**Width & Depth**	**Minimum Channel Width 400 Ft.** **Project Depth 38 Ft. Mean Low Water**
Harbor	**No Restrictions**	
Bridge Height	**Width & Height**	**Horizontal Clearance 700 Ft.** **Vertical Clearance 150 Ft. Mean High Water**
Turning Basin	**Width**	**1,500 Ft. at TC Dock** **1,325 Ft. at Wharf A**
ESQD	**Established**	**Established ESQD arcs are at the boundaries of WPNSTA Charleston** **No waivers exist.**
HERO	**Internal**	
Airspace	**None Recorded**	

Data Source: **US Army Corps of Engineers drawings, WPNSTA Charleston ESQD Arc Maps & Drawings, FAA Charleston Tower, NAVSEA OP 5, NAVSEA OP 3565.**

Quality of Life

17. Military Housing - Family Housing

17.1 Do you have mandatory assignment to on-base housing? NO

Data Source: **OPNAVINST 11101.13J**

17.2 For military family housing in your locale, provide the following information:

Table 17.2: Available Military Family Housing **See Note**

Type of Quarters	Number of Bedrooms	Total number of units	Number Adequate	Number Substandard	Number Inadequate
Officer	4+	**138**	**138**		
Officer	3	**203**	**203**		
Officer	1 or 2	**10**	**10**		
Enlisted	4+	**636**	**636**		
Enlisted	3	**1,166**	**1,166**		
Enlisted	1 or 2	**522**	**522**		
Mobile Homes		**0**			
Mobile Home lots		**60**	**N/A**		

Note: WPNSTA Charleston serves as the Housing Manager for all Navy housing in the Charleston area.

Data Source: **Enclosure (3) COMNAVBASECHASNINST 11101.4N, CH-1 of 5 Oct 93**

17.3 In accordance with NAVFACINST 11010.44E, an inadequate facility cannot be made adequate for its present use through "economically justifiable means". For all the categories above where inadequate facilities are identified provide the following information.

N/A

a. Facility type/code:
b. What makes it inadequate?
c. What use is being made of the facility?
d. What is the cost to upgrade the facility to substandard?
e. What other use could be made of the facility and at what cost?
f. Current improvement plans and programmed funding:
g. Has this facility condition resulted in C3 or C4 designation on your BASEREP?

Data Source: **BASEREP 24 Jun 93**

17. Military Housing - Family Housing, continued

17.4 Complete the following table for the military housing waiting list. Report Number on list as of 31 March 1994.

Table 17.4: Military Housing Waiting List

Pay Grade	Number of Bedrooms	Number on List	Average Wait
O-6/7/8/9	1	**0**	**0**
	2	**0**	**0**
	3	**1**	**0**
	4+	**1**	**0**
O-4/5	1	**0**	**0**
	2	**0**	**0**
	3	**6**	**1 month**
	4+	**2**	**1 month**
O-1/2/3/CWO	1	**0**	**0**
	2	**4**	**1 month**
	3	**2**	**0**
	4+	**1**	**0**
E7-E9	1	**0**	**0**
	2	**0**	**0**
	3	**36**	**1 month**
	4+	**9**	**1 month**
E1-E6	1	**0**	**0**
	2	**374**	**4 months ***
	3	**	**
	4+	**	**

*** Only 20% of inventory consists of two-bedroom units for enlisted personnel. The waiting time will significantly decrease in the next six months as members on two-bedroom waiting list will be assigned three- and four bedroom units. There are only 45 families on the waiting list for the larger units, with a waiting time of only one month. It is anticipated that the waiting time for a two-bedroom unit will decrease to one month by November 1994.**

**** E1 - E6 included in E7 - E9 three and 4+ bedroom.**

Data Source: **WPNSTA Charleston Family Housing Waiting Lists produced by NAVHOMES (5/23/94).**

Document Separator

17. Military Housing - Family Housing, continued

17.5 What do you consider to be the top five factors driving the demand for base housing? Does it vary by grade category? If so provide details.

Table 17.5: Housing Demand Factors

	Top Five Factors Driving the Demand for Base Housing
1	**Desire to live within the Navy Community**
2	**Affordability**
3	**Safety and Security**
4	**Suitability**
5	**Community Support**

DETAILS:

1) Desire to live within the Navy Community - In many cases, Navy members and their families are more comfortable residing in a close-knit community with their peers, especially military members assigned to afloat commands who deploy for extended periods of time.

2) Affordability - For lower grade enlisted personnel (E-1 through E-4), adequate base housing and utilities' costs covered by BAQ is definitely their top priority.

3) Safety and Security - WPNSTA Charleston Security Department provides services for enlisted housing areas (MenRiv Park and Hunley Park) and officer housing on the Naval Weapons Station; Naval Station Security provides services to residents in Naval Base housing. With the exception of Naval Base quarters, residents in other housing areas are also affected by the laws of South Carolina. Accordingly, The Berkeley County/Charleston County Sheriffs' Departments or North Charleston/Goose Creek Police Departments and various other State law enforcement agencies provide security services where appropriate.

4) Suitability - All Military Family Housing in Charleston is considered "adequate" in accordance with NAVFAC guidance. Maintenance and improvements on a continuing basis assure superior living conditions for the military families located in the Charleston area.

5) Community Support - Medical facilities, child care centers, schools, recreational facilities, Family Service Centers are in close proximity to all housing areas.

As noted in the factors above, priorities would vary by paygrade.

Data Source: **Customer feedback; Housing Management experience/opinion.**

17.6 What percent of your family housing units have all the amenities required by "The Facility Planning & Design Guide" (Military Handbook 1190 & Military Handbook 1035-Family Housing)?

96 %

Data Source: **WPNSTA CHASN housing assets consist of 2,675 family housing units and a 60 space mobile home park. Ninety-six percent of these units have all the amenities required by Military Handbook 1190 and Military Handbook 1035 - Family Housing. Ninety-four townhouse units do not have individual carports or garages. They do have two assigned parking spaces in front of each quarters.**

17.7 Provide the utilization rate for family housing for FY 1993.

Table 17.7: Family Housing Utilization

Type of Quarters	Utilization Rate (%)
Adequate	**99.3**
Substandard	**N/A**
Inadequate	**N/A**

Data Source: **Annual Family Housing Inventory and Occupancy Report of 30 September 93.**

17.8 As of 31 March 1994, have you experienced much of a change since FY 1993? If so, why? If occupancy is under 98% (or vacancy over 2%), is there a reason?

Monthly Family Housing Inventory and Occupancy Reports of Oct, Nov, Dec 93 and Jan, Feb, Mar 94 reveal average occupancy rate of 99.14%.

Quality of Life

18. Military Housing - Bachelor Quarters

18.1 Provide the utilization rate for Bachelor Enlisted Quarters(BEQs) for FY 1993.

Table 18.1: BEQ Utilization

Type of Quarters	Utilization Rate
Adequate	**83%**
Substandard	**73%**
Inadequate	**None**

Data Source: **Unaccompanied Personnel Housing Inventory and Utilization Data (DD Form 2085)**

18.2 As of 31 March 1994, have you experienced much of a change since FY 1993? If so, why? If occupancy is under 95% (or vacancy over 5%), is there a reason? No.

Yes. Due to the implementation of the minimum standards of acceptability effective 1 Oct 93.

Data Source: **Semi-annual report DOD Unaccompanied Personnel Housing Inventory (DD Form 2085)**

18.3 Calculate the Average on Board (AOB) for Geographic Bachelors (GB) as follows:

$$AOB = \frac{(\#\ GB) \times (\text{average \# of days in barracks})}{365}$$

365 AOB = **153.86**

$$\frac{24 \times 2,340}{365} = 153.86$$

Data Source: **BEQ monthly status report**

18.4 Indicate in the following chart the percentage of Geographic Bachelors (GB) by category of reasons for family separation. Provide comments as necessary.

Table 18.4: Reasons for Geographic Separation (BEQ)

Reason for Separation from Family	Number of GB	Percent of GB	Comments
Family Commitments (children in school, financial, etc.)	**24**	**100**	
Spouse Employment (non-military)	**0**	**0**	
Other	**0**	**0**	
TOTAL	**24**	**100 %**	

Data Source: **WPNSTA Charleston Supply Department.**

18.5 How many enlisted Geographic Bachelors (GB) do not live on base?

Data not available.

GB Off-Base = **unknown**

18. Military Housing - Bachelor Quarters, continued:

18.6 Provide the utilization rate for Bachelor Officers Quarters (BOQs) for FY 1993. N/A

Table 18.6: BOQ Utilization

Type of Quarters	Utilization Rate
Adequate	**N/A**
Substandard	
Inadequate	

No BOQ at WPNSTA Charleston.

18.7 As of 31 March 1994, have you experienced much of a change since FY 1993? If so, why? If occupancy is under 95% (or vacancy over 5%), is there a reason?

N/A

18.8 Calculate the Average on Board (AOB) for Geographic Bachelors as follows:

$$AOB = \frac{(\#\ GB \times average\ \#\ days\ in\ barracks)}{365}$$

AOB = _____

N/A

18.9 Indicate in the following chart the percentage of Geographic Bachelors by category of reasons for family separation. Provide comments as necessary.

Table 18.9: Reasons for Geographic Separation (BOQ)

Reason for Separation from Family	Number of GB	Percent of GB	Comments
Family Commitments (children in school, financial, etc.)	**N/A**		
Spouse Employment (non-military)			
Other			
TOTAL		100	

18.10 How many officer Geographic Bachelors do not live on base?

Data not available

GB Off-Base = _____

Quality of Life

Revised pg

19. MWR Facilities

19.1 For on-base MWR facilities available, complete the following table for each separate location. These are spaces designed for a particular use. A single building might contain several facilities, each of which should be listed separately.
For off-base government-owned or leased recreation facilities, indicate their distance from your base. If there are any facilities not listed, include them at the bottom of the table.

LOCATION No facilities located off base. DISTANCE 0

Table 19.1.a: MWR Facilities Summary

Facility	Unit of Measure	Total	Profitable (Y / N / N/A)	
Auto Hobby	Indoor Bays	5	Y	
	Outdoor Bays	1	Y	
Arts / Crafts	SF	600	Y	
Wood Hobby	SF	-	N/A	(R
Bowling	Lanes	20	Y	
Enlisted Club	SF	19,972	N [10]	
Officers Club	SF	-	N/A	(R
Library	SF	6,000	N/A	(R
Library	Books	26,000	N/A	(R
Theater	Seats	150	Y	
ITT	SF	806	Y	
Museum / Memorial	SF	-	N/A	(R
Pool (indoor)	Lanes	-	N/A	(R
Pool (outdoor)	Lanes	17	Y	
Beach	LF	-	N/A	(R
Swimming Ponds	Each	-	N/A	(R
Tennis Court	Each	16	N/A	(R

Data Source: **RAMCAS Financial Statement, Plant Property Records**

[10]**Enlisted Club is expected to be at break-even point by 30 Sep 94 and profitable in FY-95. Financial reports support this trend toward profitability.**

Quality of Life

19. MWR Facilities

19.1 For on-base MWR facilities available, complete the following table for each separate location. These are spaces designed for a particular use. A single building might contain several facilities, each of which should be listed separately.
For off-base government-owned or leased recreation facilities, indicate their distance from your base. If there are any facilities not listed, include them at the bottom of the table.

LOCATION **No facilities located off base.** DISTANCE **0**

Table 19.1.a: MWR Facilities Summary

Facility	Unit of Measure	Total	Profitable (Y / N / N/A)
Auto Hobby	Indoor Bays	**5**	**Y**
	Outdoor Bays	**1**	**Y**
Arts / Crafts	SF	**600**	**Y**
Wood Hobby	SF	**-**	**N/A**
Bowling	Lanes	**20**	**Y**
Enlisted Club	SF	**19,972**	**N** [10]
Officers Club	SF	**-**	**N/A**
Library	SF	**6,000**	**N/A**
Library	Books	**26,000**	**N/A**
Theater	Seats	**150**	**Y**
ITT	SF	**806**	**Y**
Museum / Memorial	SF	**-**	**N/A**
Pool (indoor)	Lanes	**-**	**N/A**
Pool (outdoor)	Lanes	**17**	**Y**
Beach	LF	**-**	**N/A**
Swimming Ponds	Each	**-**	**N/A**
Tennis Court	Each	**16**	**N/A**

[10] **Enlisted Club is expected to be at break-even point by 30 Sep 94 and profitable in FY-95. Financial reports support this trend toward profitability.**

Data Source: **RAMCAS Financial Statement, Plant Property Records**

19. MWR Facilities, continued

Table 19.1.b: MWR Facilities Summary

Facility	Unit of Measure	Total	Profitable (Y / N / N/A)
Volleyball court (outdoor)	Each	**3**	**N/A**
Basketball court (outdoor)	Each	**4**	**N/A**
Racquetball court	Each	**7**	**N**
Golf Course	Holes	**18**	**Y**
Driving Range	Tee Boxes	**9**	**Y**
Gymnasium	SF	**11,566**	**N/A**
Fitness Center	SF	**2,716**	**Y**
Marina	Berths	**-**	**N/A**
Stables	Stalls	**24**	**Y**
Softball Field	Each	**8**	**N/A**
Football Field	Each	**-**	**N/A**
Soccer Field	Each	**4**	**N/A**
Youth Center	SF	**9,760**	**Y**
Outdoor Recreation Area	Acre	**1,000**	**N**

Data Source: **RAMCAS Financial Statement, Plant Property Records**

19.2 Is your library part of a regional interlibrary loan program? **NO**

Data Source: **WPNSTA Charleston MWR Dept.**

Quality of Life

20. Base Family Support Facilities and Programs

20.1 Complete the following table on the availability of child care in a child care center on your base.

BUILDING 755 - DROP-IN CENTER

Table 20.1: Child Care Availability

Age Category	Capacity (# of Children)	SF (See Note 1)			Number on Wait List	Average Wait (Days)
		Adequate	Substandard	Inadequate		
0-6 Months	**3**		**528**		**N/A**	**N/A**
6-12 Months	**2**		**528**		**N/A**	**N/A**
12-24 Months	**10**		**480**		**N/A**	**N/A**
24-36 Months	**14**		**572**		**N/A**	**N/A**
3-5 Years	**47**		**1,684**		**N/A**	**N/A**

NOTE: Rated Substandard because each classroom does not have required toileting: 1 running water sink for each 15 3-5 years old, 2 for each 8 under 3. Upgrade project design 100% complete. Project submitted as No. 1 Priority in budget.

NOTE 1: Total facility SF equal 4,803. Classroom SF equal 3,792. Balance of SF is administrative, halls, etc.

BUILDING 788 - WEEKLY CENTER

Table 20.1: Child Care Availability

Age Category	Capacity (# of Children)	SF (see Note 2)			Number on Wait List	Average Wait (Days)
		Adequate	Substandard	Inadequate		
0-6 Months	**10**	**1,260**			**9**	**90**
6-12 Months	**6**	**1,260**			**12**	**90**
12-24 Months	**30**	**1,976**			**36**	**90**
24-36 Months	**29**	**936**			**21**	**90**
3-5 Years	**58**	**2,273**			**74**	**150**

NOTE 2: Total facility SF equal 13,184. Classroom SF equal 7,705. Balance of SF is administrative, halls, etc.

Data Source: **CDC Attendance Logs and property records**

20.2 In accordance with NAVFACINST 11010.44E, an inadequate facility cannot be made adequate for its present use through "economically justifiable means." For all the categories above where inadequate facilities are identified provide the following information:

NONE

a. Facility type/code:
b. What makes it inadequate?
c. What use is being made of the facility?
d. What is the cost to upgrade the facility to substandard?
e. What other use could be made of the facility and at what cost?
f. Current improvement plans and programmed funding:
g. Has this facility condition resulted in C3 or C4 designation on your BASEREP?

20.3 If you have a waiting list, describe what programs or facilities, other than those sponsored by your command, are available to accommodate those on the list.

Community Child Care Center and Family Child Care Provider List

20.4 How many "certified home care providers" are registered at your base?

= **45**

Data Source: **May 94 Family Child Care Provider List**

20.5 Are there other military child care facilities within 30 minutes of the base? **Yes**
State owner and capacity (e.g. 60 children, 0-5 years).

Naval Base Charleston141 (116-weekly/25-drop-in)(0-5 years).
Charleston Air Force Base 155 weekly (6 months-5 years)

20. Base Family Support Facilities and Programs, continued

20.6 Complete the following table for services available on your base. If you have any services not listed, include them at the bottom.

Table 20.6: Available Services

Service	Unit of Measure	Quantity
Exchange	SF	**26,400**
Gas Station	SF	**4,059**
Auto Repair	SF	*
Auto Parts Store	SF	*
Commissary	SF	**35,228**
Mini-Marts (2 ea) (5831 + 2400 SF)	SF	**8,231**
Package Store	SF	**2,796**
Fast Food Restaurants	Each	**1**
Bank/Credit Union	Each	**1**
Family Service Center	SF	**3,354**
Laundromat	SF	**435**
Dry Cleaners	Each	**0**
ARC	PN	**0**
Chapel[11]	PN	**866**
FSC Classroom/Auditorium	PN	**0**
Post Office B-725	**SF**	**716**
Car Wash B-769	**SF**	**1,056**

*** Auto repair and Auto Parts Store consolidated with Gas Station.**

Data Source: **Navy Exchange Officer/Public Works Dept.**

[11] WPNSTA Charleston has two chapels: All Saints and the Good Shepherd.

21. Metropolitan Areas

21.1 Identify proximate major metropolitan areas closest to your base (provide at least three):

Table 21.1: Proximate Metropolitan Areas

City	Distance (Miles)
Charleston/ North Charleston Metropolitan Statistical Area (MSA)[12]	**WPNSTA Charleston is located within the MSA.**
Columbia, SC	**100**
Charlotte, NC	**210**
Atlanta, GA	**290**

Data Source: **Rand McNally Road Atlas 1992.**

[12] Comprised of three counties - Berkeley, Charleston, and Dorchester.

Quality of Life

22. VHA Rates

22.1 Identify the Standard Rate VHA Data for Cost of Living in your area:

Table 22.1: VHA Rates

Paygrade	With Dependents	Without Dependents
E1	**75.42**	**42.20**
E2	**46.28**	**29.10**
E3	**34.44**	**25.37**
E4	**39.81**	**27.79**
E5	**47.89**	**33.44**
E6	**63.02**	**42.90**
E7	**64.45**	**44.77**
E8	**61.17**	**46.25**
E9	**75.11**	**57.02**
W1	**147.31**	**111.87**
W2	**102.82**	**80.64**
W3	**134.96**	**113.55**
W4	**124.80**	**110.65**
O1E	**148.48**	**110.14**
O2E	**117.66**	**93.81**
O3E	**175.99**	**148.89**
O1	**98.27**	**72.41**
O2	**87.09**	**68.07**
O3	**131.34**	**110.58**
O4	**107.51**	**93.49**
O5	**159.20**	**131.65**
O6	**129.79**	**107.43**
O7	**58.01**	**47.13**

Data Source: **BAQ, VHA, and Utility Maintenance Tables 1994 WPNSTA Charleston PSD**

Quality of Life

23. Off-base Housing Rental and Purchase

23.1 Fill in the following table for average rental costs in the area for the period 1 April 1993 through 31 March 1994.

Table 23.1: Recent Rental Rates

Type of Rental	Average Monthly Rent		Average Monthly Utilities Cost
	Annual High	Annual Low	
Efficiency	**350**	**275**	**Included**
Apartment (1-2 Bedroom)	**425**	**350**	**75**
Apartment (3+ Bedroom)	**475**	**450**	**120**
Single Family Home (3 Bedroom)	**700**	**500**	**120**
Single Family Home (4+ Bedroom)	**900**	**900**	**150**
Town House (2 Bedroom)	**450**	**425**	**75**
Town House (3+ Bedroom)	**500**	**475**	**120**
Condominium (2 Bedroom)	**475**	**450**	**75**
Condominium (3+ Bedroom)	**500**	**475**	**120**

Data Source: **Housing Referral Listing maintained in the Housing Referral Office. Utilities cost provided by South Carolina Electric & Gas (SCE&G) Information Center.**

23.2 What was the rental occupancy rate in the community as of 31 March 1994?

Table 23.2: Rental Occupancy Rate

Type Rental	Occupancy Rate (%)
Efficiency	**85**
Apartment (1-2 Bedroom)	**85**
Apartment (3+ Bedroom)	**85**
Single Family Home (3 Bedroom)	**85**
Single Family Home (4+ Bedroom)	**95**
Town House (2 Bedroom)	**85**
Town House (3+ Bedroom)	**85**
Condominium (2 Bedroom)	**85**
Condominium (3+ Bedroom)	**85**

Data Source: **Greater Charleston Apartment Association**

23. Off-base Housing Rental and Purchase, continued

23.3 What are the median costs for homes in the area?

Table 23.3: Regional Home Costs

Type of Home	Median Cost
Single Family Home (3 Bedroom)	**80,000**
Single Family Home (4+ Bedroom)	**125,000**
Town House (2 Bedroom)	**60,000**
Town House (3+ Bedroom)	**65,000**
Condominium (2 Bedroom)	**60,000**
Condominium (3+ Bedroom)	**65,000**

Data Source: **Charleston - Trident MLS statistics for Jan 1993 - Dec 1993.**

23.4 For calendar year 1993, from the local MLS listings, provide the number of 2, 3, and 4 bedroom homes available for purchase. Use only homes for which monthly payments would be within 90 to 110 percent of the E5 BAQ and VHA for your area.

Table 23.4: Housing Availability

Month	Number of Bedrooms		
	2	3	4+
January	**74**	**165**	**19**
February	**84**	**186**	**21**
March	**75**	**168**	**19**
April	**82**	**182**	**21**
May	**80**	**179**	**20**
June	**91**	**203**	**23**
July	**88**	**195**	**22**
August	**94**	**210**	**24**
September	**81**	**180**	**20**
October	**80**	**177**	**20**
November	**69**	**154**	**17**
December	**51**	**113**	**13**

Data Source: **Charleston - Trident MLS statistics for Jan 1993 - Dec 1993.**

23.5 Describe the principle housing cost drivers in your local area.

Location - Convenient to:
(1) schools
(2) medical facilities
(3) workplace
(4) shopping areas.

Condition -
(1) environs of neighborhood
(2) house exterior/landscaping
(3) house interior cleanliness/repair/upkeep/decor.

Economy - Job opportunity set economic climate - lost jobs resulting in relocations out of area tend to drive costs down; as new job opportunities become available, costs would increase accordingly.

Data Source: **Real Estate Associate/Property Manager of West Ashley Property Management, Inc.**

Quality of Life

24. Sea-Shore Opportunities

24.1 For the top five sea intensive ratings in the principle warfare community your base supports, provide the following:

Table 24.1: Sea Shore Opportunities

Rating	# Sea Billets in Local Area	# Shore Billets in Local Area
SK	**N/A**	**8**
MS	**N/A**	**7**
GM	**N/A**	**11**
MM	**N/A**	**4**
RP	**N/A**	**4**

Data Source: **Enlisted Distribution and Verification Report**

25. Commuting Distances

25.1 Complete the following table for the average one-way commute for the five largest concentrations of military and civilian personnel living off-base.

Table 25.1: Commuting Distances

Location	% Employees	Distance (mi)	Time (min)
Goose Creek	**32**	**7**	**10**
Summerville	**22**	**20**	**30**
North Charleston	**15.1**	**12**	**16**
Moncks Corner	**8.6**	**20**	**26**
Charleston	**5**	**21**	**25**

Data Source: **Count of employees by zip code. Charleston area map.**

Quality of Life

26. Regional Educational Opportunities

Complete the tables below to indicate the civilian educational opportunities available to service members stationed at your activity (to include any outlying fields) and their dependents:

26.1 List the local educational institutions which offer programs available to dependent children. Indicate the school type (e.g. DoDDS, private, public, parochial, etc.), grade level (e.g. pre-school, primary, secondary, etc.), what students with special needs the institution is equipped to handle, cost of enrollment, and for high schools only, the average SAT/ACT score of the class that graduated in 1993 and the number of students in that class who enrolled in college in the fall of 1994.

Table 26.1: Educational Opportunities

Institution	Type	Grade Level(s)	Special Education Available	Annual Enrollm't $/Student	SAT/ ACT Score	% HS to College	Source of Info
Goose Creek High	**Public**	**9-12**	**TMH, EH**	**N/A**	**915**	**41%**	**Guidance**
Stratford High	**Public**	**9-12**	**LD, HH, VH**	**N/A**	**924**	**84**	**Guidance**
Marrington Middle	**Public**	**5-8**	**LD**	**N/A**			**Principal**
Sedgefield Middle	**Public**	**6-8**	**LD, TMH**	**N/A**			**Principal**
Sedgefield Intermediate	**Public**	**3-5**	**TMH**	**N/A**			**Principal**
Howe Hall Elem	**Public**	**K-2**	**PS, SE**	**N/A**			**Principal**
MenRiv Elem	**Public**	**K-4**	**LD**	**N/A**			**Principal**
Marrington Elem	**Public**	**K-4**	**LD**	**N/A**			**Principal**
Westview Elem	**Public**	**K-4**	**LD**	**N/A**			**Principal**
Westview Middle	**Public**	**5-8**	**EMH, LD, HH**	**N/A**			**Staff**
Chicora Elem	**Public**	**K-5**	***, ECD**	**N/A**			**Office Clerk**
Garrett Academy High	**Public**	**9-12**	*****	**N/A**		**46%**	**Secretary**
Hunley Pary Elem	**Public**	**K-5**	***, ECD**	**N/A**			**Secretary**
Bolder Bluff Elem	**Public**	**K-5**	**LD, Speech**	**N/A**			**District**
Devon Forest Elem	**Public**	**K-5**	***, Speech**	**N/A**			**District**
Berry Elem	**Public**	**K-5**	***, ECD**	**N/A**			**Secretary**
Alice Birney Middle	**Public**	**6-8**	*****	**N/A**			**Secretary**
Brentwood Middle	**Public**	**6-8**	*****	**N/A**			**Secretary**

Institution	Type	Grade Level(s)	Special Education Available	Annual Enrollm't $/Student	SAT/ ACT Score	% HS to College	Source of Info
Burns Elem	Public	K-5	*, ECD	N/A			Records Clerk
AC Corcoran Elem	Public	K-5	*, ECD	N/A			Secretary
Dunston Elem	Public	K-5	*, ECD	N/A			Secretary
Mary Ford Elem	Public	K-5	*, ECD	N/A			Clerk
Goodwin Elem	Public	K-5	*, ECD	N/A			Secretary
Hursey Elem	Public	K-5	*, ECD	N/A			Secretary
Ladson Elem	Public	K-5	*, ECD	N/A			Attendance Clerk
Lambs Elem	Public	K-5	*, ECD	N/A			Secretary
McNair Elem	Public	K-5	*, ECD	N/A			Attendance Clerk
Midlan Park Elem	Public	K-5	*, ECD	N/A			Secretary
Morningside Middle	Public	6-8	*	N/A			Secretary
N. Chasn Elem	Public	K-6	*, ECD	N/A			Secretary
N. Chasn High	Public	9-12	*	N/A		36%	Secretary
Pepperhill Elem	Public	K-5	*, ECD	N/A			Attendance Clerk
Stall High	Public	9-12	*	N/A	SAT 846	48%	Secretary
Summerville High	Public	11-12	*	N/A	SAT 863	42%	Attendance
Summerville Gregg	Public	9-10	*	N/A			Secretary
Sangree Elem	Public	K-3	*, ECD	N/A			Principal
Sangree Intermediate	Public	4-6	*	N/A			Secretary
College Park Middle	Public	6-8	*	N/A			Secretary
Ft Dorchester High	Public	9-11	*				Guidance
Ft Johnson Middle	Public	6-8	*				Guidance
Harbor View Elem	Public	K-5	*, ECD				Guidance
James Island High	Public	9-12	*		850	60%	Guidance
James Island	Public	6-8	*				Bookkeeper

Institution	Type	Grade Level(s)	Special Education Available	Annual Enrollm't $/Student	SAT/ ACT Score	% HS to College	Source of Info
Middle							
Murry-Lasaine Elem	**Public**	**K-5**	***, ECD**				**Attendance**
Stiles Point Elem	**Public**	**K-5**	***, ECD**				**Attendance**
Ashley River Elem	**Public**	**K-5**	***, ECD**				**Attendance**
Drayton Hall Middle	**Public**	**6-8**	*****				**Receptionist**
Middleton High	**Public**	**9-12**	*****		**852**	**80**	**Guidance**
Oakland Elem	**Public**	**K-5**	***, ECD**				**Attendance**
Orange Grove Elem	**Public**	**K-5**	***, ECD**				**Receptionist**
St Andrews Elem	**Public**	**K-5**	***, ECD**				**Attendance**
Springfield Elem	**Public**	**K-5**	***, ECD**				**Attendance**
Stono Park Elem	**Public**	**K-5**	***, ECD**				**Attendance**
CE Williams Middle	**Public**	**6-8**	*****				**Attendance**
Porter-Gaud	**Private**	**1-12**	**College Prep**	**$6,000**	**1,182**	**100%**	**Guidance**
Sea Island Academy	**Private**	**K-12**	**College Prep & Transitions Program**	**$3,100**	**1,100**	**97%**	**School Admin**
Mason Prep	**Private**	**1-8**	**none**	**$3,500**			**Headmistress**
First Baptist Church	**Private**	**K-12**	**N/A**	**$3,000**			**Guidance**
Lowcountry Academy	**Private**	**6-12**	**ADD**	**$2,600**		**75%**	**Admissions**
Ashley Hall	**Private**	**K-12**	**College Prep**	**$5,500**	**1,083**	**100%**	**Admissions**
Bishop England High	**Parochial**	**9-12**	**College Prep**	**$3,200**		**96%**	**Secretary**
Charleston Day	**Private**	**1-8**	**N/A**	**$5,500**			**Secretary**
CharlesTowne Montessori	**Private**	**K-6**	**N/A**	**$3,200**			**Admissions**
Academic Magnet High	**Public**	**9-12**	*****		**1,048**	**100%**	**Principal**
Buist Academy	**Public**	**K-8**	***, ECD**				**Principal**
Burke High	**Public**	**9-12**	*****		**709**	**58%**	**Principal**
Cities in Schools High	**Public**	**9-12**	*****			**60%**	**Principal**
Courtenay	**Public**	**6-8**	*****				**Principal**

Institution	Type	Grade Level(s)	Special Education Available	Annual Enrollm't $/Student	SAT/ ACT Score	% HS to College	Source of Info
Middle							
Fraser Elem	**Public**	**K-5**	***, ECD**				**Principal**
Memminger Elem	**Public**	**K-5**	***, ECD**				**Office Aid**
Mitchell Elem	**Public**	**K-5**	***, ECD**				**Attendance**
Rivers Middle	**Public**	**6-8**	*****				**Attendance**
Sanders Elem	**Public**	**K-5**	***, ECD**				**Secretary**
Simons Elem	**Public**	**K-5**	***, ECD**				**Principal**
Belle Hall Elem	**Public**	**K-5**	***, ECD**				**Secretary**

ADD Attention Deficit Disorder
*EH Educable Handicapped
*LD Learning Disabled
PS Pre-School
*TMH Trainable Mentally Handicapped
ECD Pre-school Development
*EMH Emotionally Handicapped
*OH Other Health Impaired
SE Special Education
*VH Visually Handicapped

26. Regional Educational Opportunities, continued

26.2 List the educational institutions within 30 miles which offer programs off-base available to service members and their adult dependents. Indicate the extent of their programs by placing a "Yes" or "No" in all applicable boxes.

Table 26.2: Off-Base Educational Programs

Institution	Type Classes	Program Type				
		Adult High School	Vocational/ Technical	Undergraduate		Graduate
				Courses only	Degree Program	
College of Charleston	Day	**no**	**no**	**Yes**	**Yes**	**Yes**
	Night	**no**	**no**	**Yes**	**Yes**	**Yes**
Charleston Southern Univ.	Day	**no**	**no**	**Yes**	**Yes**	**Yes**
	Night	**no**	**no**	**Yes**	**Yes**	**Yes**
The Citadel	Day	**no**	**no**	**Yes**	**Yes**	**Yes**
	Night	**no**	**no**	**Yes**	**Yes**	**Yes**
Medical University of SC	Day	**no**	**no**	**no**	**Yes**	**Yes**
	Night	**no**	**no**	**no**	**no**	**Yes**
Webster Univ. Grad. School	Day	**no**	**no**	**no**	**no**	**Yes**
	Night	**no**	**no**	**no**	**no**	**Yes**
Central Wesleyan College	Day	**no**	**no**	**no**	**no**	**no**
	Night	**no**	**no**	**Yes**	**Yes**	**no**
Johnson & Wales Culinary University [13]	Day	**no**	**no**	**Yes**	**Yes**	**no**

[13] Two and four year degrees offered.

Institution	Type Classes	Program Type				
		Adult High School	Vocational/ Technical	Undergraduate		Graduate
				Courses only	Degree Program	
	Night	**no**	**no**	**Yes**	**Yes**	**no**
Trident Technical College	Day	**no**	**Yes**	**Yes**	**Yes**	**no**
	Night	**no**	**Yes**	**Yes**	**Yes**	**no**
	Day					
	Night					

26. Regional Educational Opportunities, continued

26.3 List the educational institutions which offer programs on-base available to service members and their adult dependents. Indicate the extent of their programs by placing a "Yes" or "No" in all applicable boxes.

Table 26.3: On-Base Educational Programs

The following are provided on Naval Base Charleston except as noted:

Institution	Type Classes	Program Type				
		Adult High School	Vocational/ Technical	Undergraduate		Graduate
				Courses only	Degree Program	
City Colleges of Chicago	Day	**no**	**no**	**Yes**	**Yes**	**no**
	Night	**no**	**no**	**Yes**	**Yes**	**no**
	Corres-pondence	**no**	**no**	**Yes**	**no**	**no**
Limestone College	Day	**no**	**no**	**Yes**	**Yes**	**no**
	Night	**no**	**no**	**Yes**	**Yes**	**no**
	Corres-pondence	**no**	**no**	**no**	**no**	**no**
Trident Technical College (Only at POMFLANT)	Day	**no**	**Yes**	**Yes**	**Yes**	**no**
	Night	**no**	**Yes**	**Yes**	**Yes**	**no**
	Corres-pondence	**no**	**no**	**no**	**no**	**no**
	Day					
	Night					
	Corres-pondence					

Quality of Life

27. Spousal Employment Opportunities

27.1 Provide the following data on spousal employment opportunities.

Table 27.1: Spouse Employment

Skill Level	# Military Spouses Serviced by FSC Spouse Employment Assistance			Local Community Unemployment Rate (%)
	1991	1992	1993	
Professional				
Manufacturing				
Clerical				
Service				
Other [14]	**214**	**202**	**113**	**6.3%**

[14] **These numbers include all categories. Breakdown between categories not available.**

28. Medical / Dental Care

28.1 Do your active duty personnel have any difficulty with access to medical or dental care, in either the military or civilian health care system? Develop the why of your response.

No. The Branch Clinic offers general ambulatory care Monday through Friday from 0730 until 1600 with the exception of Thursdays when the Clinic secures at 1230 for field day and training of assigned personnel. The range of treatment includes diagnostic, invasive and non-invasive procedures, therapeutic, health promotion and disease prevention as well as continuity of care for chronic disease. The clinic is divided into two sections, Family Practice and Active Duty Military appointments.

Additional Occupational Health and Radiation Health services are provided in Building 754. Ancillary services include:

> **Pharmacy, Laboratory, Radiology, Immunization/Allergy Clinic, Medical Records Department, Level IV Emergency Services (Assessment and Transportation to MTF), and Optometry Clinic.**

The Branch Dental Clinic takes care of all Naval Weapons Station Charleston active duty personnel with some appointments taken care of by the main Dental Clinic located on the Charleston Naval Base. The main Dental Clinic will close due to BRAC 93. (See NOTE to question 11.6).

Other services are available at Naval Hospital Charleston and Charleston Air Force Base Clinic.

28.2 Do your military dependents have any difficulty with access to medical or dental care, in either the military or civilian health care system? Develop the why of your response.

No. The Naval Weapons Station Charleston Branch Clinic sees those eligible beneficiaries that live in the adjacent MenRiv military housing. Providers from the Spectrum Corporation provide care through a partnership program with the Naval Hospital in Charleston at no charge to the beneficiary.

Dental care for military dependents is provided under the Delta Dental Plan.

Other services are available at Naval Hospital Charleston and Charleston Air Force Base Clinic.

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29. Crime Rate

29.1 Complete the table below to indicate the crime rate for your activity for the last three fiscal years. The source for case category definitions to be used in responding to this question are found in the NCIS Manual, dated 23 February 1989, at Appendix A, entitled "Case Category Definitions." Note: the crimes reported in this table should *include* (a) all reported criminal activity which occurred on base regardless of whether the subject or the victim of that activity was assigned to or worked at the base; *and* (b) all reported criminal activity off base.

Table 29.1.a: Local Crime Rate

Crime Definitions	FY 1991	FY 1992	FY 1993	
1. Arson (6A)	1	3	2	
Base Personnel - military	1	1	0	
Base Personnel - civilian	0	2	2	
Off Base Personnel - military	0	0	0	
Off Base Personnel - civilian	0	0	0	
2. Blackmarket (6C)	0	0	0	
Base Personnel - military	0	0	0	
Base Personnel - civilian	0	0	0	
Off Base Personnel - military	0	0	0	
Off Base Personnel - civilian	0	0	0	
3. Counterfeiting (6G)	0	0	0	
Base Personnel - military	0	0	0	
Base Personnel - civilian	0	0	0	
Off Base Personnel - military	0	0	0	
Off Base Personnel - civilian	0	0	0	
4. Postal (6L)	4	0	6	(R
Base Personnel - military	0	0	1	
Base Personnel - civilian	4	0	5	(R
Off Base Personnel - military	0	0	0	
Off Base Personnel - civilian	0	0	0	

Quality of Life

29. Crime Rate

29.1 Complete the table below to indicate the crime rate for your activity for the last three fiscal years. The source for case category definitions to be used in responding to this question are found in the NCIS Manual, dated 23 February 1989, at Appendix A, entitled "Case Category Definitions." Note: the crimes reported in this table should *include* (a) all reported criminal activity which occurred on base regardless of whether the subject or the victim of that activity was assigned to or worked at the base; *and* (b) all reported criminal activity off base.

Table 29.1.a: Local Crime Rate

Crime Definitions	FY 1991	FY 1992	FY 1993
1. Arson (6A)	1	3	2
Base Personnel - military	1	1	0
Base Personnel - civilian	0	2	2
Off Base Personnel - military	0	0	0
Off Base Personnel - civilian	0	0	0
2. Blackmarket (6C)	0	0	0
Base Personnel - military	0	0	0
Base Personnel - civilian	0	0	0
Off Base Personnel - military	0	0	0
Off Base Personnel - civilian	0	0	0
3. Counterfeiting (6G)	0	0	0
Base Personnel - military	0	0	0
Base Personnel - civilian	0	0	0
Off Base Personnel - military	0	0	0
Off Base Personnel - civilian	0	0	0
4. Postal (6L)	1	0	6
Base Personnel - military	0	0	1
Base Personnel - civilian	1	0	5
Off Base Personnel - military	0	0	0
Off Base Personnel - civilian	0	0	0

29. Crime Rate, continued

Revised pg

Table 29.1.b: Local Crime Rate

Crime Definitions	FY 1991	FY 1992	FY 1993	
5. Customs (6M)	0	0	0	
Base Personnel - military	0	0	0	
Base Personnel - civilian	0	0	0	
Off Base Personnel - military	0	0	0	
Off Base Personnel - civilian	0	0	0	
6. Burglary (6N)	18	9	9	
Base Personnel - military	7	3	6	
Base Personnel - civilian	10	6	2	
Off Base Personnel - military	0	0	0	
Off Base Personnel - civilian	1	0	1	
7. Larceny - Ordnance (6R)	0	0	0	
Base Personnel - military	0	0	0	
Base Personnel - civilian	0	0	0	
Off Base Personnel - military	0	0	0	
Off Base Personnel - civilian	0	0	0	
8. Larceny - Government (6S)	71	96	70	(R
Base Personnel - military	6	6	14	
Base Personnel - civilian	43	88	53	(R
Off Base Personnel - military	5	1	1	(R
Off Base Personnel - civilian	17	1	2	(R

29. Crime Rate, continued

Table 29.1.b: Local Crime Rate

Crime Definitions	FY 1991	FY 1992	FY 1993
5. Customs (6M)	0	0	0
Base Personnel - military	0	0	0
Base Personnel - civilian	0	0	0
Off Base Personnel - military	0	0	0
Off Base Personnel - civilian	0	0	0
6. Burglary (6N)	18	9	9
Base Personnel - military	7	3	6
Base Personnel - civilian	10	6	2
Off Base Personnel - military	0	0	0
Off Base Personnel - civilian	1	0	1
7. Larceny - Ordnance (6R)	0	0	0
Base Personnel - military	0	0	0
Base Personnel - civilian	0	0	0
Off Base Personnel - military	0	0	0
Off Base Personnel - civilian	0	0	0
8. Larceny - Government (6S)[15]	2	96	70
Base Personnel - military	6	6	14
Base Personnel - civilian	48	88	53
Off Base Personnel - military	4	1	1
Off Base Personnel - civilian	4	1	2

[15] 1992 56 of the 80 cases were shoplifting at the NEX / 1993 26 of the 70 cases were shoplifting at the NEX.

29. Crime Rate, continued

Table 29.1.bc: Local Crime Rate

Crime Definitions	FY 1991	FY 1992	FY 1993
9. Larceny - Personal (6T)[16]	**227**	**113**	**141**
Base Personnel - military	**102**	**60**	**64**
Base Personnel - civilian	**75**	**53**	**58**
Off Base Personnel - military	**30**	**0**	**8**
Off Base Personnel - civilian	**20**	**0**	**11**
10. Wrongful Destruction (6U)	**320**	**254**	**231**
Base Personnel - military	**81**	**92**	**97**
Base Personnel - civilian	**132**	**125**	**107**
Off Base Personnel - military	**67**	**19**	**5**
Off Base Personnel - civilian	**40**	**18**	**22**
11. Larceny - Vehicle (6V)[17]	**79**	**1**	**62**
Base Personnel - military	**32**	**1**	**22**
Base Personnel - civilian	**43**	**0**	**38**
Off Base Personnel - military	**3**	**0**	**1**
Off Base Personnel - civilian	**1**	**0**	**1**
12. Bomb Threat (7B)	**4**	**2**	**2**
Base Personnel - military	**1**	**1**	**0**
Base Personnel - civilian	**2**	**0**	**2**
Off Base Personnel - military	**1**	**0**	**0**
Off Base Personnel - civilian	**0**	**1**	**0**

[16] **1991 - 84 of the 227 cases were over $100, 1992 - 75 of the 113 cases were over $100, 1993 - 80 of the 141 cases were over $100.**

[17] **1991 - 33 of the 79 cases were bicycles stolen, 1993 - 60 of the 62 cases were bicycles stolen.**

29. Crime Rate, continued

Table 29.1.d: Local Crime Rate

Crime Definitions	FY 1991	FY 1992	FY 1993
13. Extortion (7E)	0	0	0
Base Personnel - military	0	0	0
Base Personnel - civilian	0	0	0
Off Base Personnel - military	0	0	0
Off Base Personnel - civilian	0	0	0
14. Assault (7G)	28	27	53
Base Personnel - military	5	1	9
Base Personnel - civilian	14	25	42
Off Base Personnel - military	4	0	0
Off Base Personnel - civilian	5	1	2
15. Death (7H)	1	0	4
Base Personnel - military	1	0	2
Base Personnel - civilian	0	0	2
Off Base Personnel - military	0	0	0
Off Base Personnel - civilian	0	0	0
16. Kidnapping (7K)	0	0	0
Base Personnel - military	0	0	0
Base Personnel - civilian	0	0	0
Off Base Personnel - military	0	0	0
Off Base Personnel - civilian	0	0	0

29. Crime Rate, continued

Table 29.1.e: Local Crime Rate

Crime Definitions	FY 1991	FY 1992	FY 1993
18. Narcotics (7N)	1	0	5
Base Personnel - military	1	0	1
Base Personnel - civilian	0	0	3
Off Base Personnel - military	0	0	0
Off Base Personnel - civilian	0	0	1
19. Perjury (7P)	0	0	0
Base Personnel - military	0	0	0
Base Personnel - civilian	0	0	0
Off Base Personnel - military	0	0	0
Off Base Personnel - civilian	0	0	0
20. Robbery (7R)	2	0	0
Base Personnel - military	1	0	0
Base Personnel - civilian	1	0	0
Off Base Personnel - military	0	0	0
Off Base Personnel - civilian	0	0	0
21. Traffic Accident (7T)	178	134	180
Base Personnel - military	38	36	87
Base Personnel - civilian	39	56	57
Off Base Personnel - military	56	16	8
Off Base Personnel - civilian	45	26	28

29. Crime Rate, continued

Table 29.1.f: Local Crime Rate

Crime Definitions	FY 1991	FY 1992	FY 1993
22. Sex Abuse - Child (8B)	8	3	3
Base Personnel - military	2	0	0
Base Personnel - civilian	5	3	3
Off Base Personnel - military	1	0	0
Off Base Personnel - civilian	0	0	0
23. Indecent Assault (8D)	4	0	6
Base Personnel - military	3	0	2
Base Personnel - civilian	1	0	4
Off Base Personnel - military	0	0	0
Off Base Personnel - civilian	0	0	0
24. Rape (8F)	1	3	3
Base Personnel - military	1	1	1
Base Personnel - civilian	0	2	2
Off Base Personnel - military	0	0	0
Off Base Personnel - civilian	0	0	0
25. Sodomy (8G)	0	0	0
Base Personnel - military	0	0	0
Base Personnel - civilian	0	0	0
Off Base Personnel - military	0	0	0
Off Base Personnel - civilian	0	0	0

Data Source: **Police reports from FY 1991, FY 1992, FY 1993**

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

S. W. DELAPLANE
NAME (Please type or print)

Signature

COMMANDER
Title

6 JUNE 94
Date

NAVAL ORDNANCE CENTER
ATLANTIC DIVISION
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

R. SUTTON, RADM, USN
NAME (Please type or print)

Signature

COMMANDER
Title

14 JULY 94
Date

NAVAL ORDNANCE CENTER
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

B. B. STERNER
NAME (Please type or print)

Signature

Commander
Title Naval Sea Systems Command

7/15/94
Date

Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

W. A. EARNER
NAME (Please type or print)

Signature

Title

7/26/94
Date

BRAC-95 CERTIFICATION FOR DATA CALL NUMBER 46

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

R. G. BRUCE
NAME (Please type or print)

R. G. Bruce
Signature

COMMANDING OFFICER
Title

03 JUN 1994
Date

NAVAL WEAPONS STATION CHARLESTON
Activity

Data Call 46 - Military Value

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

S. W. DELAPLANE
NAME (Please type or print)

Signature

COMMANDER
Title

8 AUG 94
Date

NAVAL ORDNANCE CENTER
Activity ATLANTIC DIVISION

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

R. SUTTON, RADM, USN
NAME (Please type or print)

Signature

COMMANDER
Title

16 AUG 94
Date

NAVAL ORDNANCE CENTER
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

G. R. STERNER
Title Commander
Naval Sea Systems Command

8/27/94
Date

Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

W. A. EARNER
NAME (Please type or print)

Signature

Title

9/1/94
Date

BRAC-95 CERTIFICATION FOR DATA CALL NUMBER 46

Reference: SECNAVNOTE 11000 of 08 December 1993

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The following pages have been revised: 3-5, 7, 9, 15, 19, 20, 22, 52, 65, 85, 86

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

J. M. SCHUMACHER
NAME (Please type or print)

J. Michael Schumacher
Signature

COMMANDING OFFICER, ACTING
Title

4 Aug 94
Date

NAVAL WEAPONS STATION CHARLESTON
Activity

WPNSTA CHARLESTON - DATA CALL 46 REVISIONS

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

S. W. DELAPLANE
NAME (Please type or print)

Signature

COMMANDER
Title

30 OCT 94
Date

NAVAL ORDNANCE CENTER
Activity ATLANTIC DIVISION

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

R. SUTTON, RADM, USN
NAME (Please type or print)

Signature

COMMANDER
Title

26 OCT 94
Date

NAVAL ORDNANCE CENTER
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

E. S. MCGINLEY, II RADM, USN
NAME (Please type or print)

Signature

Acting Commander
Title

11/2/94
Date

Naval Sea Systems Command
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

W. A. EARNER SES
NAME (Please type or print)

Signature

Title

11/15/94
Date

BRAC-95 CERTIFICATION FOR DATA CALL NUMBER 46

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

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The following pages have been revised: 3, 55, 52

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

J. M. SCHUMACHER
NAME (Please type or print)

Signature

COMMANDING OFFICER, ACTING
Title

26 Sep 94
Date

NAVAL WEAPONS STATION CHARLESTON
Activity

R

WPNSTA CHARLESTON - DATA CALL 46 REVISION

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

R. A. REISH
NAME (Please type or print)

Signature

ACTING COMMANDER
Title

11/4/94
Date

NAVAL ORDNANCE CENTER ATLANTIC DIVISION
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

R. SUTTON, RADM, USN
NAME (Please type or print)

Signature

COMMANDER
Title

27 NOV 94
Date

NAVAL ORDNANCE CENTER
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

G. R. STERNER
Commander
Title

11/29/94
Date

Naval Sea Systems Command
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

W. A. EARNER
NAME (Please type or print)

Signature

Title

12/5/94
Date

BRAC-95 CERTIFICATION FOR DATA CALL NUMBER 46

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

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Page 5 has been changed to provide additional information.

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

T. B. STARK
NAME (Please type or print)

Signature

COMMANDING OFFICER
Title

18 Oct 94
Date

NAVAL WEAPONS STATION CHARLESTON
Activity

Enclosure (3)

102

BRAC 95 NUMBER 33
ENVIRONMENTAL DATA CALL:
DATA CALL TO BE SUBMITTED TO
ALL NAVY/MARINE CORPS HOST ACTIVITIES

20 APRIL 1994

BRAC 1995 ENVIRONMENTAL DATA CALL NUMBER 33:
All Navy/Marine Corps Host Activities

INDEX

ENVIRONMENTAL DATA CALL

Responses to the following questions provide data that will allow an assessment of the potential environmental impact associated with the closure or realignment of a Navy shore activity. This criterion consists of:

- Endangered/Threatened Species and Biological Habitat
- Wetlands
- Cultural Resources
- Environmental Facilities
- Air Pollution
- Environmental Compliance
- Installation Restoration
- Land/Air/Water Use

As part of the answers to these questions, a *source citation* (e.g., 1993 base loading, 1993 base-wide Endangered Species Survey, 1993 letter from USFWS, 1993 Base Master Plan, 1993 Permit Application, 1993 PA/SI, etc.) must be included. It is probable that, at some point in the future, you will be asked to provide additional information detailing specifics of individual characteristics. In anticipation of this request, supporting documentation (e.g., maps, reports, letters, etc.) regarding answers to these questions should be retained. Information needed to answer these questions is available from the cognizant EFD Planning and Real Estate Divisions, and Environment, Safety, and Health Divisions; and from the activity Public Works Department, and activity Health Monitoring and Safety Offices.

For purposes of the questions associated with land use at your base is *defined* as *land* (acreage owned, withdrawn, leased, and controlled through easements); *air* (space controlled through agreements with the FAA, e.g., MOAs); *and water* (navigation channels and waters along a base shoreline) *under the control of the Navy.*

Provide a list of the tenant activities with UICs that are covered in this response.

See page 30.

1. ENDANGERED/THREATENED SPECIES AND BIOLOGICAL HABITAT

1a. For federal or state listed endangered, threatened, or category 1 plant and/or animal species on your base, complete the following table. Critical/sensitive habitats for these species are designated by the U. S. Fish and Wildlife Service (USFWS). A species is present on your base if some part of its life-cycle occurs on Navy controlled property (e.g., nesting, feeding, loafing). Important Habitat refers to that number of acres of habitat that is important to some life cycle stage of the threatened/endangered species that is not formally designated.

SPECIES (plant or animal)	Designation (Threatened/ Endangered)	Federal/ State	Critical / Designated Habitat (Acres)	Important Habitat (acres)
Trichechus manatus - West Indian Manatee	*Endangered*	*Federal*	*0*	*0*
Picoides borealis - Red-cockaded woodpecker	**endangered**	**Federal**	**0**	**50**
Alligator mississippiensis - American alligator	**threatened**	**Federal**	**0**	**244**
Sterna albifrons - Least tern	**threatened**	**State**	**0**	**1**
Acipenser brevirostrum - Shortnose sturgeon	**endangered**	**Federal**	**0**	**0**
Haliaeetus leucocephalus - bald eagle	**endangered**	**Federal**	**0**	**324**

Data Source: **WPNSTA CHASN Long Range Natural Resources Plan**

1b.

Have your base operations or development plans been constrained due to: - USFWS or National Marine Fisheries Service (NMFS)? - State required modifications or constraints? If so, identify below the impact of the constraints including any restrictions on land use.	**NO**
Are there any requirements resulting from species not residing on base, but which migrate or are present nearby? If so, summarize the impact of such constraints.	**NO**

1c. If the area of the habitat and the associated species have not been identified on base maps provided in Data Call 1, submit this information on an updated version of Data Call 1 map.

See Attachment (1)

1d.

Have any efforts been made to relocate any species and/or conduct any mitigation with regards to critical habitats or endangered/threatened species? Explain what has been done and why.	**NO**

1e.

Will any state or local laws and/or regulations applying to endangered/threatened species which have been enacted or promulgated but not yet effected, constrain base operations or development plans beyond those already identified? Explain.	**NO**

2. WETLANDS

Note: Jurisdictional wetlands are those areas that meet the wetland definitional criteria detailed in the Corps of Engineers (COE) Wetland Delineation Manual, 1987, Technical Report Y-87-1, U.S. Army Engineer Waterway Experiment Station, Vicksburg, MS or officially adapted state definitions.

2a.

Does your base possess federal jurisdictional wetlands?	**YES**
Has a wetlands survey in accordance with established standards been conducted for your base?	**NO**
When was the survey conducted or when will it be conducted? **Survey currently underway expected to complete 1 Jan 95.**	
What percent of the base has been surveyed?	
What is the total acreage of jurisdictional wetlands present on your base?	**Unknown at present**

Data Source: **WPNSTA CHASN Long Range Natural Resources Plan**

2b. If the area of the wetlands has not been identified on base maps provided in Data Call 1, submit this on an updated version of Data Call 1 map.

2c. Has the EPA, COE or a state wetland regulatory agency required you to modify or constrain base operations or development plans in any way in order to accommodate a jurisdictional wetland? **YES** If YES, summarize the results of such modifications or constraints.

1. As part of construction of the Standard Missile Test Facility, a request was made to fill 4.32 acres of freshwater marsh. Request granted after mitigation agreed on. A 10 acre easement with a 60 foot buffer was placed around an existing wetland to protect and maintain the area.

2. As part of construction of the Alternate access route, a request was made to fill three acres of saltwater marsh and two acres of freshwater marsh. Request granted after mitigation agreements were made. This called for creation of 5.2 acres of salt marsh and one acre of freshwater marsh.

3. As part of construction of the Nuclear Propulsion Training Unit, a request was made to fill 2.5 acres of freshwater marsh. Mitigation involved creation of 2.5 acres of freshwater marsh.

3. CULTURAL RESOURCES

3a.

Has a survey been conducted to determine historic sites, structures, districts or archaeological resources which are listed, or determined eligible for listing, on the National Register of Historic Places? If so, list the sites below.	**NO**

NOTE: Survey is underway. Field work is complete. Report from contractor due 7/95.

3b.

Has the President's Advisory Council on Historic Preservation or the cognizant State Historic Preservation Officer required you to mitigate or constrain base operations or development plans in any way in order to accommodate a National Register cultural resource? If YES, list the results of such modifications or constraints below.	**NO**

3c.

Are there any on base areas identified as sacred areas or burial sites by Native Americans or others? List below.	**NO**

4. ENVIRONMENTAL FACILITIES

Notes: If your facility is permitted for less than maximum capacity, state the maximum capacity and explain below the associated table why it is not permitted for maximum capacity. Under "Permit Status" state when the permit expires, and whether the facility is operating under a waiver. For permit violations, limit the list to the last 5 years.

4a.

Does your base have an operating landfill?					**NO**
ID/Location of Landfill	Permitted Capacity (CYD)		Maximum Capacity (CYD)	Contents[1]	Permit Status
	TOTAL	Remaining			

[1] Contents (e.g. building demolition, asbestos, sanitary debris, etc) **N/A**
Are there any current or programmed projects to correct deficiencies or improve the facility. **N/A**

4b. If there are any non-Navy users of the landfill, describe the user and conditions/agreements.

4c.

Does your base have any disposal, recycling, or incineration facilities for solid waste?					**YES**
Facility/Type of Operation	Permitted Capacity	Ave Daily Throughput	Maximum Capacity	Permit Status	Comments
Waste Incinerator	**100 Lb/Hr**	**75 Lbs**	**100 Lb/Hr**		
Waste Incinerator	**100 Lb/Hr**	**125 Lbs**	**100 Lb/Hr**		
DEMIL Furnace	**1.5 Lb/Hr**		**1.5 Lb/Hr**		**Furnace has been closed but has now complied with all permit requirements and will re-start operations on 30 Apr 94.**

List any permit violations and projects to correct deficiencies or improve the facility.

4d.

Does your base own/operate a Domestic Wastewater Treatment Plant (WWTP)?					NO
ID/Location of WWTP	Permitted Capacity	Ave Daily Discharge Rate	Maximum Capacity	Permit Status	Level of Treatment/Year Built

List permit violations and discuss any projects to correct deficiencies.

4e. If you do not have a domestic WWTP, describe the average discharge rate of your base to the local sanitary sewer authority, discharge limits set by the sanitary sewer authority (flow and pollutants) and whether the base is in compliance with their permit. Discuss recurring discharge violations.

Wastewater treatment is provided by Berkeley County Water and Sanitation Authority (BCW&SA). WPNSTA, CHASN has a contracted capacity of 1.2 mgd. The average daily flow is 1.046mgd for the past 12 months.

PRE-TREATMENT PERMIT DISCHARGE LIMITS

PARAMETER	CONCENTRATION (mg/l)
BOD5	300
Cadmium	2.0
Chloride	4000
Copper	.5
Flash Point	>140 degree F
Oil & Grease	100
Lead 0.15	
pH	b/w 6.0-9.0
Total Solids 720	
TSS	300
Zinc	1.5

Data Source: **BCW&SA flow records, Pre-treatment permit.**

4f.

Does your base operate an Industrial Waste Treatment Plant (IWTP)?					NO
ID/Location of IWTP	Type of Treatment	Permitted Capacity	Ave Daily Discharge Rate	Maximum Capacity	Permit Status

List any permit violations and projects to correct deficiencies or improve the facility.

4g. Are there other waste treatment flows not accounted for in the previous tables? Estimate capacity and describe the system.

NO

4h.

Does your base operate drinking Water Treatment Plants (WTP)?					NO
ID/Location of WTP	Operating (GPD)		Method of Treatment	Maximum Capacity	Permit Status
	Permitted Capacity	Daily Rate			

List permit violations and projects/actions to correct deficiencies or improve the facility.

4i. If you do not operate a WTP, what is the source of the base potable water supply. State terms and limits on capacity in the agreement/contract, if applicable.

CHARLESTON COMMISSIONER OF PUBLIC WORKS

WPNSTA Charleston point of connection (Redbank at bldg. 31): 2500gpm @ 60psi for 90 minutes, WPNSTA South (near gate): 500 gpm @ 40psi for 90 minutes.

Data Source: **Contract N62467-89-C-1805**

4j.

Does the presence of contaminants or lack of supply of water constrain base operations. Explain.	**NO**

4k.

Other than those described above does your base hold any NPDES or stormwater permits? If YES, describe permit conditions.	**YES**
If NO, why not and provide explanation of plan to achieve permitted status.	

NOTE: Draft Permit issued but has not been adopted as final. Current Permit is expired but remains in effect until new Permit issued. Since cooling water towers and boiler are now connected to the Sanitary we actually do not need a NPDES Permit. NWS Charleston is a member of the EPA Group Storm Water permit application. Storm Water Permit is pending.

4l.

Does your base have bilge water discharge problem?	**NO**
Do you have a bilge water treatment facility?	**NO**

4m.

Will any state or local laws and/or regulations applying to Environmental Facilities, which have been enacted or promulgated but not yet effected, constrain base operation or development plans beyond those already identified? Explain.	**NO**

4n. What expansion capacity is possible with these Environmental Facilities? Will any expansions/upgrades as a result of BRACON or projects programmed through the Presidents budget through FY 97 result in additional capacity? Explain.

No expansion is expected through FY 97.

4o. Do capacity limitations on any of the facilities discussed in question 4 pose a present or future limitation on base operations? Explain.

NO

5. AIR POLLUTION

5a.

What is the name of the Air Quality Control Areas (AQCAs) in which the base is located? **Trident District**
Is the installation or any of its OLFs or non-contiguous base properties located in different AQCAs? **NO**. List site, location and name of AQCA.

5b. For each parcel in a separate AQCA fill in the following table. Identify with and "X" whether the status of each regulated pollutant is: attainment/nonattainment/maintenance. For those areas which are in non-attainment, state whether they are: Marginal, Moderate, Serious, Severe, or Extreme. State target attainment year.

Site: **WPNSTA Charleston** AQCA: **Trident District**

Pollutant	Attainment	Non-Attainment	Maintenance	Target Attainment Year[1]	Comments[2]	
CO	X			NA	NA	(R
Ozone	X			NA	NA	(R
PM-10	X			NA	NA	(R
SO_2	X			NA	NA	(R
NO_2	X			NA	NA	(R
Pb	X			NA	NA	(R

1 Based on national standard for Non-Attainment areas or SIP for Maintenance areas.

2 Indicate if attainment is dependent upon BRACON, MILCON or Special Projects. Also indicate if the project is currently programmed within the Presidents FY 97 budget.

5. AIR POLLUTION

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Site: **WPNSTA Charleston** AQCA: **Trident District**

Pollutant	Attainment	Non-Attainment	Maintenance	Target Attainment Year[1]	Comments[2]
CO	X				
Ozone	X				
PM-10	X				
SO_2	X				
NO_2	X				
Pb	X				

1 Based on national standard for Non-Attainment areas or SIP for Maintenance areas.

2 Indicate if attainment is dependent upon BRACON, MILCON or Special Projects. Also indicate if the project is currently programmed within the Presidents FY 97 budget.

5c. For your base, identify the baseline level of emissions, established in accordance with the Clean Air Act. Baseline information is assumed to be 1990 data or other year as specified. Determine the total level of emissions (tons/yr) for CO, NOx, VOC, PM10 for the general sources listed. For all data provide a list of the sources and show your calculations. Use known emissions data, or emissions derived from use of state methodologies, or identify other sources used. "Other Mobile" sources include such items as ground support equipment.

	Emission Sources (Tons/Year)				
Pollutant	Permitted Stationary	Personal Automobiles	Aircraft Emissions	Other Mobile	Total
CO	**15.342**				**15.342**
NOx	**69.926**				**69.926**
VOC	**31.332**				**31.332**
PM10	**2.876**				**2.876**

Data/Calculation Source: **See Attachment (2)**

5d. For your base, determine the total FY1993 level of emissions (tons/yr) for CO, NOx, VOC, PM10 for the general sources listed. For all data provide a list of the sources and show your calculations. Use known emissions data, or emissions derived from use of state methodologies, or identify other sources used. "Other Mobile" sources include such items as ground support equipment.

	Emissions Sources (Tons/Year)				
Pollutant	Permitted Stationary	Personal Automobiles	Aircraft Emissions	Other Mobile	Total
CO	**15.342**				**15.342**
NOx	**69.926**				**69.926**
VOC	**31.332**				**31.332**
PM10	**2.876**				**2.876**

Data Source: **David & Floyed Emission Inventory and Compliance Analysis Sources and Calculations shown on Attachment (3).**

Revised pg

5e. Provide estimated increases/decreases in air emissions (Tons/Year of CO, NOx, VOC, PM10) expected within the next six years (1995-2001). Either from previous BRAC realignments and/or previously planned downsizing shown in the Presidents FY 97 budget. Explain.

Non-quantifiable. Estimate Decrease as systems, equipment, and processes become more efficient. (R

5f. Are there any critical air quality regions (i.e. non-attainment areas, national parks, etc.) within 100 miles of the base?

Cape Romain National Wildlife Refuge
Francis Marion National Forest

5g. Have any base operations/mission/functions (i.e.: training, R&D, ship movement, aircraft movement, military operations, support functions, vehicle trips per day, etc.) been restricted or delayed due to air quality considerations. Explain the reason for the restriction and the "fix" implemented or planned to correct.

NO

5h. Does your base have Emission Reduction Credits (ERCs) or is it subject to any emission offset requirements? If yes, provide details of the sources affected and conditions of the ERCs and offsets.

NO

Is there any potential for getting ERCs?

(R

NO

5e. Provide estimated increases/decreases in air emissions (Tons/Year of CO, NOx, VOC, PM10) expected within the next six years (1995-2001). Either from previous BRAC realignments and/or previously planned downsizing shown in the Presidents FY 97 budget. Explain.

Estimate Decrease as systems, equipment, and processes become more efficient.

5f. Are there any critical air quality regions (i.e. non-attainment areas, national parks, etc.) within 100 miles of the base?

Cape Romain National Wildlife Refuge
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NO

5h. Does your base have Emission Reduction Credits (ERCs) or is it subject to any emission offset requirements? If yes, provide details of the sources affected and conditions of the ERCs and offsets. Is there any potential for getting ERCs?

NO

NO

6. ENVIRONMENTAL COMPLIANCE

6a. Identify compliance costs, currently known or estimated that are required for permits or other actions required to bring existing practices into compliance with appropriate regulations. Do not include Installation Restoration costs that are covered in Section 7. For the last two columns provide the combined total for those two FY's.

Program	Survey Com-pleted?	Costs in $K to correct deficiencies						
		FY94	FY95	FY96	FY97	FY98-99	FY00-01	
Air	Y		210	215	135	100	50	(R
Hazardous Waste		40	70		100			(R
Safe Drinking Water Act				25				(R
PCBs	Y		40	155				
Other (non-PCB) Toxic Substance Control Act	N							(R
Lead Based Paint	N							(R
Radon	Y							
Clean Water Act		125	425	130	80	700		(R
Solid Waste			25	100		120	500	(R
Oil Pollution Act								(R
USTs	Y		190	10				(R
Other								
Total		165	960	635	315	920	550	(R

6. ENVIRONMENTAL COMPLIANCE

6a. Identify compliance costs, currently known or estimated that are required for permits or other actions required to bring existing practices into compliance with appropriate regulations. Do not include Installation Restoration costs that are covered in Section 7. For the last two columns provide the combined total for those two FY's.

Program	Survey Com-pleted?	Costs in $K to correct deficiencies					
		FY94	FY95	FY96	FY97	FY98-99	FY00-01
Air	Y		150	265	370	400	300
Hazardous Waste		40	70	60	100		
Safe Drinking Water Act			25		100		
PCBs	Y		40	155			
Other (non-PCB) Toxic Substance Control Act	N		85				
Lead Based Paint	N				250	250	
Radon	Y						
Clean Water Act		125	425	180	80	1,045	
Solid Waste			75	220	140	120	500
Oil Pollution Act				120			
USTs	Y		651	296			
Other							
Total		165	1,521	1,296	1,040	1,815	800

Revised pg

Provide a separate list of compliance projects in progress or required, with associated cost and estimated start/completion date.

WR #	Deficiency/ PCR #	Date	Class	Est Cost	Facility	Description
XE4-500	UST92004	3/15/94	1	135K	282	Remove/site assessment UST/old serve-mart.
XE4-502	HW92008	3/15/94	1	40K	380	Construct 90-day hazwaste storage area.
XE4-503		3/15/94	1	45K	318 TK#11	Remove/replace berm's north-side and south-side aboveground fuel tank sites.
XE4-504		3/15/94	2	10K	850	Correct overfill spills at ventline UST B-850.
XE4-505	S0560	3/15/94	3	100K	OB/OD N/SIDE	Update RCRA permit application for subpart X.
XE4-506	S056F	3/15/94	2	40K	Station	Contract for Hazmin study for used solvent elimination (use).
XE4-510	S056S	3/15/94	3	60K	1	Construct Hazmat self-help storage facility.
XE4-511	S056T HWMIN93001 HAZMAT93003	3/15/94	1	30K	Station	Contract for Hazmin study for all other hazwastes besides used solvent.
XE4-513	S557B	3/15/94	1	10K	903	Install engine coolant (antifreeze) recycling unit.
XE4-514	W406H	3/15/94	1	110K	Station	Connect boilers to sanitary sewer.
XE4-516	UST92004	3/15/94	1	35K	776	Remove UST & associated O/W separator at MWR hobby shop.
XE4-517	UST92004	3/15/94	1	20K	909	Remove abandoned UST from old emergency generator at enlisted barracks.
XE4-518	PESTO1	3/15/94	1	15K	17	Construct containment berms for pest control shop.
XE4-519		3/15/94	1	25K	E/Side	Upgrade and repair water tower east-side per SCDHEC recommendations. (CR
XE4-520		3/15/94	1	40K	E/Side	Construct new PCB storage facility. (CR
XE4-521		3/15/94	1	80K	903, 4, 900, 66	Upgrade O/W separators, remove USTs and install FRAC tank at lift station.
XE4-522		3/15/94	2	70K	Station	Develop stormwater pollution prevention plan.
XE4-526	T048B	3/15/94	1	100K	Station	Test all hydraulic equipment for PCBs.
XE4-527		3/15/94	2	100K	Station	Develop station-wide pollution prev. plan.

Provide a separate list of compliance projects in progress or required, with associated cost and estimated start/completion date.

WR#	DEF/ PCR#	DATE	CLASS	EST COST	FAC	DESCRIPTION
XE4-500	UST92004	3/15/94	1	135K	282	REMOVE /SITE ASSESSMENT UST @ OLD SERVE MART
XE4-501	-	3/15/94	1	100K	NSIDE	LANDFILL CAP AND SITE IMPROVEMENT & OLD NORTHSIDE LANDFILL
XE4-502	HW92008	3/15/94	1	40K	380	CONSTRUCT 90-DAY HAZWASTE STORAGE AREA
XE4-503		3/15/94	1	45K	318, TK#11	REMOVE/REPLACE BERM'S AT NSIDE, AND SOUTH ANNEX ABVGRND FUEL TANK SITES
XE4-504	-	3/15/94	2	10K	850	CORRECT OVERFILL SPILLS AT VENTLINE UST BLDG. 850
XE4-505	S056O	3/15/94	3	100K	OB/OD NSIDE	UPDATE RCRA PERMIT APPLICATION FOR SUBPART X
XE4-506	S056F	3/15/94	2	40K	STATION	CONTRACT FOR HAZMIN STUDY FOR USED SOLVENT ELIMINATION (USE)
XE4-507	S056P	3/15/94	3	25K		CONSTRUCT ELEMENTARY NEUTRALIZATION UNIT
XE4-508	-	3/15/94	2	15K		RESURFACE/REPAIR FLOOR @ PCB FACILITY
XE4-509	S056R	3/15/94	3	40K		CONSTRUCT OBA CANISTER TREATMENT UNIT
XE4-510	S056S	3/15/94	3	60K	1	CONSTRUCT HAZ-MAT SELF-HELP STORAGE FACILITY
XE4-511	S056T HAZMAT93003	3/15/94	1	30K	STATION	CONTRACT FOR HAZMIN STUDY FOR ALL HWMIN93001 OTHER HAZWASTES BESIDES USED SOLVENT
XE4-512	S056Q	3/15/94	3	20K		CONSTRUCT MERCURIC NITRATE WASTE TREATMENT UNIT
XE4-513	S557B	3/15/94	1	10K	903	INSTALL ENGINE COOLANT (ANTI-FREEZE) RECYCLING UNIT

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XE4-528		3/15/94	2	60K	Station	Evaluate/study wastewater toxicity (industrial areas).
XE4-531		3/15/94	2	50K	Station	Develop plan/non-point source erosion control.
XE4-532		3/15/94	1	15K	724, 407 857,3222	Install Phase II vapor controls on gas station dispensing sites.
XE4-534		3/15/94	2	500K	Station	Contract for annual emissions testing.
XE4-543		3/15/94	2	50K	419, 65, 86	Install air emission controls at paint booths.
XE4-544		3/15/94	2	50K	84, 302	Install air emission controls at incinerators.
XE4-545		3/16/94	3	25K		Designate/contract solid waste composting facility.
XE4-549	PCB02 PCB92001	3/16/94	1	55K	Station	Test for PCBs in circuit breakers, reclosures and cable.
XE4-550	SPCC04 SPCC93001	3/16/94	1	40K	3238, 3214, 3841	Construct impervious containment for above-ground storage tanks.
XE4-551	SPCC04 SPCC93001 SPCC92003	3/16/94	1	45K	355, 314B	Construct impervious containment for above-ground storage tanks.
XE4-552	SPCC04 SPCC93001	3/16/94	1	50K	3231, 3201, 3408, 3222D	Construct impervious containment for above-ground storage tanks.
XE4-553	SPCC06 SPCC93004	3/16/94	1	20K	TK#11, 314A, 314B, 355	Install high level alarms on tanks.
XE4-554	SPCC06 SPCC93005 SPCC10	3/16/94	1	30K	900, 814	Provide secondary containment for fuel truck parking areas.
XE4-555	SPCC11 SPCC13 SPCC93007 SPCC93009 SPCC92003	3/16/94	1	15K	TK#11	Provide secondary containment for truck loading/unloading area at Tank #11. Construct fence around facility.
XE4-556	PEST93001	3/16/94	2	30K	Station	Contract/development OHS contingency plan. Update will include pesticide shop spills.
XE4-557	SPCC93009 SPCC92008 SPCC92009	3/16/94	1	90K	922, 724 314,3222	Provide secondary containment for truck loading area.

XE4-514	W406H	3/15/94	1	110K	STATION	CONNECT BOILERS TO SANITARY SEWER
XE4-515	W406I	3/15/94	1	80K	STATION	CONNECT COOLING TOWERS TO SANITARY SEWER
XE4-516	UST92004	3/15/94	1	35K	776	REMOVE UST AND ASSOCIATED O/W SEPARATOR AT MWR HOBBY SHOP

Revised pg

XE4-559	SPCC92002	3/16/94	2	50K	Station	Update SPCC plan.
XE4-565		3/17/94	3	35K		Install cyclone collector & baghouse to control particulate emissions from wood working shops.
XE-566		3/17/94	3	500K	Station	Install pollution prevention equipment depending on the results of the pollution prevention survey.
XE4-567		3/17/94	3	120K	Station	Conduct pollution prevention survey.
XE4-570		3/17/94	3	150K		Construct industrial wastewater pre-treatment facility.
XE4-571		3/17/94	3	200K	Station	Toxicity reduction improvements wastewater sources failing toxicity test.
XE4-572		3/17/94	3	200K	Station	Construct best management practice improvements for stormwater discharge.
XE4-573		3/17/94	3	100K	Station	Conduct toxicity evaluation of stormwater discharges.

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With this revision XE4-501 have been deleted

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XE4-517	UST92004	3/15/94	1	20K	909	REMOVE ABANDONED UST FROM OLD EMERGENCY GENERATOR AT ENLISTED BARRACKS
XE4-518	PEST01	3/15/94	1	15K	17	CONSTRUCT CONTAINMENT BERMS FOR PEST CONTROL SHOP
XE4-519	-	3/15/94	1	25K	SSIDE	UPGRADE AND REPAIR WATER TOWER SSIDE PER SCDHEC RECOMMENDATIONS
XE4-520	-	3/15/94	1	40K	SSIDE	CONSTRUCT NEW PCB STORAGE FACILITY
XE4-521	-	3/15/94	1	80K	903, 4, 900, 66	UPGRADE O/W SEPARATORS, REMOVE UST'S, AND INSTALL FRAC TANK AT LIFT STATION
XE4-522	-	3/15/94	2	70K	STATION	DEVELOP STORMWATER POLLUTION PREVENTION PLAN
XE4-523	-	3/15/94	2	120K	WHARF A	INSTALL PERMANENT OIL BOOM AT WHARF ALPHA
XE4-524	-	3/15/94	3	80K	PIER C	INSTALL PERMANENT OIL BOOM AT PIER CHARLIE
XE4-525	-	3/15/94	2	130K	TC DOCK	INSTALL PERMANENT OIL BOOM AT TC DOCK
XE4-526	T048B	3/15/94	1	100K	STATION	TEST ALL HYDRAULIC EQUIPMENT FOR PCB'S
XE4-527	-	3/15/94	2	100K	STATION	DEVELOP STATIONWIDE POLLUTION PREVENTION PLAN
XE4-528	-	3/15/94	2	60K	STATION	EVALUATE/STUDY WASTEWATER TOXICITY (INDUSTRIAL AREAS)
XE4-529 LEAD-	-	3/15/94	2	100K	STATION	CONDUCT SURVEY OF BUILDINGS FOR BASED PAINT
XE4-530	-	3/15/94	1	10K	732	DESIGNATE AND DEVELOP PUBLIC REPOSITORY ON-STATION FOR STUDIES/RECORDS OF INSTALLATION RESTORATION (DERA) PROGRAM
XE4-531	-	3/15/94	2	50K	STATION	DEVELOP PLAN FOR NON-POINT SOURCE EROSION CONTROL
XE4-532	-	3/15/94	1	15K	724, 407 857, 3222	INSTALL PHASE II VAPOR CONTROLS ON GAS STATION DISPENSING SITES

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XE4-533	-	3/15/94	2	45K	79	INSTALL EMISSION CONTROLS FOR BENZENE EMISSIONS AT MARK 50 SHOP
XE4-534	-	3/15/94	2	100K	STATION	CONTRACT FOR ANNUAL EMISSIONS TESTING
XE4-535	-	3/15/94	3	60K	47	CONTRACT FOR PART B PERMIT APPLICATION ADDITION FOR DEMIL FURNACE

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XE4-536	-	3/15/94	2	50K	STATION	CONTRACT FOR ANNUAL REINVENTORY OF VOC & TOXIC EMISSIONS
XE4-537	-	3/15/94	3	70K	?	CONSTRUCT FUEL BLENDING FACILITY FOR WASTE OIL DISPOSAL AS BLENDED FUEL FOR BOILER(S)
XE4-538	-	3/15/94	3	70K	?	CONVERT BOILER(S) TO BURN BLENDED FUEL FOR WASTE OIL DISPOSAL
XE4-539	-	3/15/94	2	80K	STATION	DEVELOP WETLANDS MAP FOR STATION
XE4-540	SW93001 SW92001 SW02	3/15/94	2	50K	STATION	DEVELOP SOLID WASTE MANAGEMENT PLAN
XE4-541	WW93001 WW92003	3/15/94	2	50K	STATION	DEVELOP INDUSTRIAL WASTEWATER MANAGEMENT PLAN
XE4-542	-	3/15/94	2	200K	?	CONSTRUCT CENTRAL SANDBLAST/PAINTING FACILITY
XE4-543	-	3/15/94	2	50K	419, 65, 86	INSTALL AIR EMISSION CONTROLS @ PAINT BOOTHS
XE4-544	-	3/15/94	2	50K 302	84,	INSTALL AIR EMISSION CONTROLS @ INCINERATORS
XE4-545	-	3/16/94	3	25K	?	DESIGNATE/CONSTRUCT SOLID WASTE COMPOSTING FACILITY
XE4-546	-	3/16/94	2	60K	2306	MODIFY PART B PERMIT TO INCLUDE NEW FACILITY AND DEMOLITION OF OLD UNITS
XE4-547	-	3/16/94	3	120k	NSIDE RANGE	REMOVE LEAD FROM FIRING RANGES
XE4-548	ASB01 ASB93001	3/16/94	1	85K	STATION	CONDUCT ASBESTOS SURVEY OF ALL FACILITIES (POC BOB GORE X7585)
XE4-549	PCB02 PCB92001	3/16/94	1	55K	STATION	TEST FOR PCB'S IN CIRCUIT BREAKERS, RECLOSERES, AND CABLE
XE4-550	SPCC04 SPCC93001	3/16/94	1	40K	3238, 3214, 3841	CONSTRUCT IMPERVIOUS CONTAINMENT FOR ABVGRND STORAGE TANKS
XE4-551	SPCC04 SPCC93001 SPCC92003	3/16/94	1	45K	355, 314B,	CONSTRUCT IMPERVIOUS CONTAINMENT FOR ABVGRND STORAGE TANKS

XE4-552	SPCC04 SPCC93001	3/16/94	1	50K	3231, 3201, 3408, 3222D	CONSTRUCT IMPERVIOUS CONTAINMENT FOR ABVGRND STORAGE TANKS
XE4-553	SPCC06 SPCC93004	3/16/94	1	20K	TK#11, 314A, 314B, 355	INSTALL HIGH LEVEL ALARMS ON TANKS

XE4-554	SPCC06 SPCC93005 SPCC10	3/16/94	1	30K	900, 814	PROVIDE SECONDARY CONTAINMENT FOR FUEL TRUCK PARKING AREAS
XE4-555	SPCC11 SPCC13 SPCC93007 SPCC93009 SPCC92003	3/16/94	1	15K	TNK#11	PROVIDE SECONDARY CONTAINMENT FOR TRUCK LOADING/UNLOADING AREA AT TANK #11. CONSTRUCT FENCE AROUND FACILITY.
XE4-556	PEST93001	3/16/94	2	30K	STATION	CONTRACT/DEVELOP OHS CONTINGENCY PLAN. UPDATE WILL INCLUDE PESTICIDE SHOP SPILLS.
XE4-557	SPCC93009 SPCC92008 SPCC92009	3/16/94	1	90K	922 724 314 3222	PROVIDE SECONDARY CONTAINMENT FOR TRUCK LOADING AREA
XE4-558	UST93001 UST92005	3/16/94	1	50K	STATION PLAN	CONTRACT/DEVELOP UST MANAGEMENT
XE4-559	SPCC92002	3/16/94	2	50K	STATION	UPDATE SPCC PLAN
XE4-560	CR01 CR02 CR03	3/17/94	1	40K	STATION	SURVEY AND INVENTORY HISTORIC AND ARCHEOLOGICAL RESOURCES. DEVELOP HARP.
XE4-561	-	3/17/94	1	50K	STATION	DEVELOP NATURAL AND CULTURAL RESOURCES MANAGEMENT PLAN
XE4-562	ASN MEMO	3/17/94	2	100K	STATION	SHORE BASED HEATING, VENTILATING, AIR CONDITIONING AND REFRIGERATION EQUIPMENT CONTAINING A CLASS I ODS MUST BE REPLACED WITH APPROVED REFRIGERANT
XE4-563	ASN MEM0	3/17/94	2	40K	STATION	REPLACE SHORED BASED HALON 1301 SYSTEMS WITH APPROVED SUBSTANCE
XE4-564	-	3/17/94	3	100K	STATION	CONVERT DIESEL/OIL FIRED BOILERS TO NATURAL GAS
XE4-565	-	3/17/94	3	35K	?	INSTALL CYCLONE COLLECTOR AND BAGHOUSE TO CONTROL PARTICULATE EMISSIONS FROM WOOD WORKING SHOPS.
XE4-566	-	3/17/94	3	500K	STATION	INSTALL POLLUTION PREVENTION EQUIPMENT DEPENDING ON THE

						RESULTS OF THE POLLUTION PREVENTION SURVEY.
XE4-567	-	3/17/94	3	120K	STATION	CONDUCT POLLUTION PREVENTION SURVEY.
XE4-568	-	3/17/94	3	500K	STATION	REMOVE LEAD PAINT FROM BUILDINGS
XE4-569	-	3/17/94	3	100K	STATION	CONDUCT WATER CONSERVATION STUDY FOR DRINKING WATER

XE4-570	-	3/17/94	3	150K	?	CONSTRUCT INDUSTRIAL WASTEWATER PRE-TREATMENT FACILITY
XE4-571	-	3/17/94	3	500K	STATION	TOXICITY REDUCTION IMPROVEMENTS WASTEWATER SOURCES FAILING TOXICITY TEST
XE4-572	-	3/17/94	3	200K	STATION	CONSTRUCT BEST MANAGEMENT PRACTICE IMPROVEMENTS FOR STORMWATER DISCHARGE
XE4-573	-	3/17/94	3	100K	STATION	CONDUCT TOXICITY EVALUATION OF STORMWATER DISCHARGES

CONTRACTUAL EFFORT FY 95

CONTRACT/WORK REQUEST NUMBER	DESCRIPTION	COST
P1-2776A	REPLACE UNDERGROUND STORAGE TANK BLDG 304B	18K
P1-2776B	REPLACE UNDERGROUND STORAGE TANK BLDG 58	18K
P1-2776C	REPLACE UNDERGROUND STORAGE TANK BLDG 903	15K
P1-2776D	REPLACE UNDERGROUND STORAGE TANK PIER C	70K
P1-2776E	REPLACE UNDERGROUND STORAGE TANK BLDG 863	40K
P1-2776F	REPLACE UNDERGROUND STORAGE TANK BLDG 864	40K
P1-2776G	REPLACE UNDERGROUND STORAGE TANK BLDG 941	14K
P1-2776H	REPLACE UNDERGROUND STORAGE TANK BLDG 930B	10K
P1-2776I	REPLACE UNDERGROUND STORAGE TANK BLDG 89	15K
P1-2776J	REPLACE UNDERGROUND STORAGE TANK BLDG 708	15K
P1-2776K	REPLACE UNDERGROUND STORAGE TANK BLDG 147	15K
P12776X	CLEANUP	227K
P1-2777A	REPLACE UNDERGROUND STORAGE TANK BLDG 940	25K
P1-2277B	REPLACE UNDERGROUND STORAGE TANK BLDG 7	25K
P1-2777C	REPLACE UNDERGROUND STORAGE TANK BLDG 6	25K
P1-2777D	REPLACE UNDERGROUND STORAGE TANK BLDG 930	26K
P1-2777X	CLEANUP	186K

6b.

Does your base have structures containing asbestos? ---YES--- What % of your base has been surveyed for asbestos? Unknown. No formal survey has been performed. Are additional surveys planned? Yes What is the estimated cost to remediate asbestos? Unknown Are asbestos survey costs based on encapsulation, removal or a combination of both? N/A

NOTE: Survey is planned for FY 95.

Data Source: **Command support budget & execute in FY 95.**

6c. Provide detailed cost of operational (environmental) compliance costs, with funding source.

Funding Source	FY92	FY93	FY94	FY95	FY96	FY97	FY98-99	FY00-01	
O&MN									
HA									
PA									
Other (specify) **DBOF**	**659**	**576**	**622**	**631**					(R
TOTAL	**659**	**576**	**622**	**631**	*	*	*	*	(R

*** Unknown or unavailable.**

6d. Are there any compliance issues/requirements that have impacted operations and/or development plans at your base.

NO

7. INSTALLATION RESTORATION

7a.

Does your base have any sites that are contaminated with hazardous substances or petroleum products?	**YES**
Is your base an NPL site or proposed NPL site?	**NO**

6b.

Does your base have structures containing asbestos? **---YES---** What % of your base has been surveyed for asbestos? **Unknown. No formal survey has been performed.** Are additional surveys planned? **Yes** What is the estimated cost to remediate asbestos? **Unknown** Are asbestos survey costs based on encapsulation, removal or a combination of both? **N/A**

NOTE: Survey is planned for FY 95.

Data Source: **Command support budget & execute in FY 95.**

6c. Provide detailed cost of operational (environmental) compliance costs, with funding source.

Funding Source	FY92	FY93	FY94	FY95	FY96	FY97	FY98-99	FY00-01
O&MN								
HA								
PA								
Other (specify)								
TOTAL	**439**	**576**	**622**	**631**	*	*	*	*

*** Unknown or unavailable.**

6d. Are there any compliance issues/requirements that have impacted operations and/or development plans at your base.

NO

7. INSTALLATION RESTORATION

7a.

Does your base have any sites that are contaminated with hazardous substances or petroleum products?	**YES**
Is your base an NPL site or proposed NPL site?	**NO**

7b. Provide the following information about your Installation Restoration (IR) program. Project list may be provided in separate table format. Note: List only projects eligible for funding under the Defense Environmental Restoration Account (DERA). Do not include UST compliance projects properly listed in section VI.

No IR sites extend off base.

SITE		TYPE	CONTAM-INATED?	WATER SOURCE	COST	COMP DATE	STATUS
SWMU#1,	OLD TEMP BURN AREA	CERCLA	N	N	0.00	U	CS
SWMU#2,	OLD NORTHSIDE DEMIL	CERCLA	U	U	0.00	U	CS
SWMU#3,	OLD NORTHSIDE LANDFILL	CERCLA	N	N	0.00	U	RFI
SWMU#4,	OLD NORTHSIDE BURN ARE	CERCLA	U	U	0.00	U	RFI
SWMU#5,	NORTHSIDE PUBLIC WORKS	CERCLA , RCRA	Y	U	0.00	U	RFI
SWMU#6,	OLD WASTEWATER LAGOONS	CERCLA	U	U	0.00	U	RFI
SWMU#7,	MENRIV WASTE OIL UST	RCRA	U	U	0.00	U	CS
SWMU#8,	SSIDE OTTO FUEL STRGE	CERCLA	U	U	0.00	U	CS
SWMU#9,	SSIDE PART A STORAGE	RCRA	U	U	0.00	U	NO ACTION
SWMU#10,	SSIDE OTTO FUEL VAULT	RCRA	U	U	0.00	U	RD/RA
SWMU#11,	SSIDE PESTICIDE RINSE	CERCLA,	N	U	0.00	U	RFI
SWMU#12,	SSIDE PCP TRTMNT ARE	CERCLA	N	U	0.00	U	RFI
SWMU#13,	GOLF CRSE PEST CNTRL	CERCLA	U	U	0.00	U	CS
SWMU#14,	BLDG. 58 OTTO FUEL SU	RCRA,	U	U	70.0	U	RA
SWMU#15,	SSIDE ORDNANCE INCINE	RCRA	U	U	0.00	U	NO ACTION
SWMU#16,	OLD SSIDE LANDFILL	CERCLA, RCRA	U	U	0.00	U	RFI
SWMU#17,	SSIDE MISSILE AND W.O	CERCLA, RCRA	U	U	0.00	U	RFI
SWMU#18,	OLD EOD RANGE	RCRA	U	U	0.00	U	RD
SWMU#19,	PIER C ACCUM. AREA	RCRA	U	U	0.00	U	NO ACTION
SWMU#20,	SA MUNTIONS WASH AREA	CERCLA, RCRA	U	U	0.00	U	CS
SWMU#21,	SA BURNING GROUNDS	CERCLA, RCRA	U	U	0.00	U	CS
SWMU#22,	SA POS. MUNTIONS DISP	CERCLA, RCRA	U	U	0.00	U	CS
SWMU#23,	SA SANITARY LANDFILL	CERCLA, RCRA	U	U	0.00	U	CS
SWMU#24,	SA WASTE DISPOSAL ARE	RCRA	U	U	0.00	U	RFI
SWMU#25,	SA MUNTIONS DISPOSAL	CERCLA, RCRA	U	U	0.00	U	RFI
SWMU#26,	SA SANDBLASTING AREA	RCRA	U	U	0.00	U	CS
SWMU#27,	SA ROUNDHOUSE	CERCLA, RCRA	U	N	0.00	U	RFI
SWMU#28,	SA BLDG. 3818	CERCLA, RCRA	U	U	0.00	U	RFI
SWMU#29,	SA BLDG. 3820	RCRA	U	U	0.00	U	RFI
SWMU#30,	SA HARDSTAND AREA	RCRA	U	U	0.00	U	RFI
SWMU#31,	SSIDE BLDG. 930 FUEL	UST	U	U	0.00	U	CS
SWMU#32,	SSIDE BLDG. 930 DITCH	CERCLA, RCRA	U	U	0.00	U	CS
SWMU#33,	BLDG. 930 PAINT SUMP	CERCLA, RCRA	U	U	0.00	U	CS
SWMU#34,	SSIDE CONTAINER RPR	RCRA	U	U	0.00	U	CS
SWMU#35,	SSIDE RAILCAR SANDBLS	RCRA	U	U	0.00	U	CS
SWMU#36,	OLD SSIDE HW FACILITY	RCRA	U	U	0.00	U	CS
SWMU#37,	SSIDE MWR RECYCLING	RCRA	U	U	0.00	U	CS
SWMU#38,	SSIDE BLDG. 37 DITCH	RCRA	U	U	0.00	U	CS
SWMU#39,	BLDG. 17 DITCH	RCRA	U	U	0.00	U	CS
SWMU#40,	BLDG. 3818 FUEL CONTA	CERCLA, RCRA	U	U	0.00	U	RFI
SWMU#41,	NSIDE BLDG. 320 DITCH	CERCLA, RCRA	U	U	0.00	U	CS
SWMU#42,	NSIDE BLDG. 354 DITCH	RCRA	N	U	0.00	U	CS
SWMU#43,	NSIDE OB/OD	RCRA	U	U	0.00	U	REG UNIT
SWMU#44,	SSIDE HWSF	RCRA	U	U	0.00	U	REG UNIT
SWMU#45,	MARRINGTON PLANTATION	RCRA	U	U	0.00	U	CS
SWMU#46,	SA BLDG. 3548 DITCH	RCRA	U	U	0.00	U	CS
SWMU#47,	OLD SSIDE PISTOL RANG	RCRA	U	U	0.00	U	CS
AOC#A,	POL STORAGE	RCRA	U	U	0.00	U	NO ACTION
AOC#B,	UNDERGRND STO TNK	RCRA	U	U	0.00	U	NO ACTION

AOC#C,	DUMPSITE AT LAGOONS	RCRA	U	U	0.00 U	NO ACTION
AOC#D,	OLD W'WATER LAGOONS	RCRA	U	U	0.00 U	NO ACTION
AOC#F,	PEST CONTROL SHOPS	RCRA	U	U	0.00 U	NO ACTION
AOC#G,	SSIDE WSTWTR TRTMNT FAC	RCRA	U	U	0.00 U	CS
AOC#H,	SA IND WSTWTR TRTMNT PL	RCRA	U	U	0.00 U	CS

[1] Type site: CERCLA, 'RCRA corrective action (CA), UST or other (explain)
[2] Status = PA, SI, RI, RD, RA, long term monitoring, etc.

7c. Have any contamination sites been identified for which there is no recognized/accepted remediation process available? List.

NO

7d.

Is there a groundwater treatment system in place?	**NO**
Is there a groundwater treatment system planned?	**NO**

State scope and expected length of pump and treat operation.

7e.

Has a RCRA Facilities Assessment been performed for your base?	**NO**

7f. Does your base operate any "Conforming Storage" facilities for handling hazardous materials? If YES, describe facility, capacity, restrictions, and permit conditions.

NO

7g. Does your base operate any "Conforming Storage" facilities for handling hazardous waste? If YES, describe facility, capacity, restrictions, and permit conditions.

YES

FACILITY	CAPACITY	PERMIT CONDITIONS
Bldg 2306 - Fully permitted 4,523 sqft building whose construction is due to complete Sept 94.	**21,120 gallons**	**RCRA Part B Facility Permit**
PCB Storage Facility - A fully permitted approx. 1,000 sqft building.	**375 gallons**	**TSCA Regulations**
N.side EOD Range - Open ground Class C range per OP-5.	**78,400 sq ft**	**Part B Permit**

7h. Is your base responsible for any non-appropriated fund facilities (exchange, gas station) that require cleanup? If so, describe facility/location and cleanup required/status.

Yes. MWR Hobby Shop hydraulic leak. Repair: designing removal of soil process.

7i.

Do the results of any radiological surveys conducted indicate limitations on future land use? Explain below.	**NO**

7j. Have any base operations or development plans been restricted due to Installation Restoration considerations?

(R

NONE

7k. List any other hazardous waste treatment or disposal facilities not included in question 7b. above. Include capacity, restrictions, and permit conditions.

(R

NONE

7g. Does your base operate any "Conforming Storage" facilities for handling hazardous waste? If YES, describe facility, capacity, restrictions, and permit conditions.

YES

FACILITY	CAPACITY	PERMIT CONDITIONS
Bldg 2306 - Fully permitted 4,523 sqft building whose construction is due to complete Sept 94.	**21,120 gallons**	**RCRA Part B Facility Permit**
PCB Storage Facility - A fully permitted approx. 1,000 sqft building.	**375 gallons**	**TSCA Regulations**
N.side EOD Range - Open ground Class C range per OP-5.	**78,400 sq ft**	**Part B Permit**

(R

7h. Is your base responsible for any non-appropriated fund facilities (exchange, gas station) that require cleanup? If so, describe facility/location and cleanup required/status.

Yes. MWR Hobby Shop hydraulic leak. Repair: designing removal of soil process.

7i.

Do the results of any radiological surveys conducted indicate limitations on future land use? Explain below.	**NO**

7g. Does your base operate any "Conforming Storage" facilities for handling hazardous waste? If YES, describe facility, capacity, restrictions, and permit conditions.

YES

FACILITY	CAPACITY	PERMIT CONDITIONS
Bldg 2306 - Fully permitted 4,523 sqft building whose construction is due to complete Sept 94.	**7,200 gallons**	**RCRA Part B Facility Permit**
PCB Storage Facility - A fully permitted approx. 1,000 sqft building.	**375 gallons**	**TSCA Regulations**
N.side EOD Range - Open ground Class C range per OP-5.	**78,400 sq ft**	**Part B Permit**

7h. Is your base responsible for any non-appropriated fund facilities (exchange, gas station) that require cleanup? If so, describe facility/location and cleanup required/status.

Yes. MWR Hobby Shop hydraulic leak. Repair: designing removal of soil process.

7i.

Do the results of any radiological surveys conducted indicate limitations on future land use? Explain below.	**NO**

8. LAND / AIR / WATER USE

8a. List the acreage of each real estate component controlled or managed by your base (e.g., Main Base - 1,200 acres, Outlying Field - 200 acres, Remote Range - 1,000 acres, remote antenna site - 5 acres, Off-Base Housing Area - 25 acres).

Parcel Descriptor	Acres	Location
POMFLANT operations and storage and Marine Barracks	**5,185**	**Northside**
Menriv Housing and community support facilities and Marrington recreation facilities	**2,957**	**Central**
WPNSTA facilities (admin., Ordnance operations and storage, and waterfront facilities) and southside housing	**8,160**	**Southside**
WPNSTA South	**919**	**South of Goose Creek**
Hunley Park Housing	**271**	**12 miles west of Central**

Data Source - **WPNSTA Master Plan**

8b. Provide the acreage of the land use categories listed in the table below:

LAND USE CATEGORY		ACRES
Total Developed: (administration, operational, housing, recreational, training, etc.)		**10,614 ***
Total Undeveloped (areas that are left in their natural state but are under specific environmental development constraints, i.e.: wetlands, endangered species, etc.)		Wetlands: **3,523**
		All Others:
Total Undeveloped land considered to be without development constraints, but which may have operational/man caused constraints (i.e.: HERO, HERF, HERP, ESQD, AICUZ, etc.) TOTAL		**977**
Total Undeveloped land considered to be without development constraints		**1,691**
Total Off-base lands held for easements/lease for specific purposes **(for ESQD arc)**		**416**
Breakout of undeveloped, restricted areas. Some restricted areas may overlap:	ESQD	**977**
	HERF	**0**
	HERP	**0**
	HERO	**0**
	AICUZ	**0**
	Airfield Safety Criteria	**0**
	Other	**0**

*** ESQD arcs encumber much for these acres; however, further compatible operations can be accommodated within this acreage. An additional 977 acres are restricted due to ESQD acres but are not considered developed.**

NOTE: Undeveloped constrained areas are reported as either environmentally or man caused constrained. Categories are mutually exclusive.

8c. How many acres on your base (includes off base sites) are dedicated for training purposes (e.g., vehicular, earth moving, mobilization)? This does not include buildings or interior small arms ranges used for training purposes.

11.5 acres

Data Source: **WPNSTA general development maps dtd 16 Sep 90 & WPNSTA Master Plan dtd Oct 88**

8d. What is the date of your last AICUZ update? ____/____/____ Are any waivers of airfield safety criteria in effect on your base? Y/N Summarize the conditions of the waivers below.

N/A

8e. List the off-base land use *types* (e.g, residential, industrial, agricultural) and *acreage* within Noise Zones 2 & 3 generated by your flight operations and whether it is compatible/incompatible with AICUZ guidelines on land use.

Acreage/Location/ID	Zones 2 or 3	Land Use	Compatible/ Incompatible
N/A			

8f. List the navigational channels and berthing areas controlled by your base which require maintenance dredging? Include the frequency, volume, current project depth, and costs of the maintenance requirement.

Navigational Channels/ Berthing Areas	Location / Description	Maintenance Dredging Requirement			
		Frequency	Volume (MCY)	Current Project Depth (FT)	Cost ($M)
NWS channel & waterfront facilities	**Cooper River Charleston, SC**	**1 / year**	**500K CY**	**37 FT - 42 FT**	**$675K**

Data Source: **WPNSTA Charleston maps and Master Plan**

8g. Summarize planned projects through FY 97 requiring new channel or berthing area dredged depths, include location, volume and depth.

US Army's Strategic Mobility Logistics Base (SMLB) Program
Location: NWS channel & waterfront facilities (Cooper River, Charleston, SC) (R
Volume: 1,025,000 CY
Dredged depth: 42 FT

Data Source: **WPNSTA Charleston budget plans & the Army Corps of Engineers**

8h.

Are there available designated dredge disposal areas for maintenance dredging material? List location, remaining capacity, and future limitations.	**YES. NWS & Yellowhouse Creek disposal areas (Cooper River) 50+ yr economic life 28 mil cy comb. capacity**
Are there available designated dredge disposal areas for new dredge material? List location, remaining capacity, and future limitations.	**Yes. Same as above with similar capacity.**
Are the dredged materials considered contaminated? List known contaminants.	**No.**

Data Source: **Proposed Army Strategic Mobility Program.**

8.i. List any requirements or constraints resulting from consistency with State Coastal Zone Management Plans.

All activities must meet the requirements of South Carolina's Coastal Zone Management Program (SC CZMP)

Data Source: **SC CZMP**

8j. Describe any non-point source pollution problems affecting water quality ,e.g.: coastal erosion.

None

8g. Summarize planned projects through FY 97 requiring new channel or berthing area dredged depths, include location, volume and depth.

Army Strategic Mobility Program
Location: NWS channel & waterfront facilities (Cooper River, Charleston, SC)
Volume: 1,025,000 CY
Dredged depth: 42 FT

Data Source: **WPNSTA Charleston budget plans & the Army Corps of Engineers**

8h.

Are there available designated dredge disposal areas for maintenance dredging material? List location, remaining capacity, and future limitations.	**YES. NWS & Yellowhouse Creek disposal areas (Cooper River) 50+ yr economic life 28 mil cy comb. capacity**
Are there available designated dredge disposal areas for new dredge material? List location, remaining capacity, and future limitations.	**Yes. Same as above with similar capacity.**
Are the dredged materials considered contaminated? List known contaminants.	**No.**

Data Source: **Proposed Army Strategic Mobility Program.**

8.i. List any requirements or constraints resulting from consistency with State Coastal Zone Management Plans.

All activities must meet the requirements of South Carolina's Coastal Zone Management Program (SC CZMP)

Data Source: **SC CZMP**

8j. Describe any non-point source pollution problems affecting water quality ,e.g.: coastal erosion.

None

8k.

If the base has a cooperative agreement with the US Fish and Wildlife Service and/or the State Fish and Game Department for conducting a hunting and fishing program, does the agreement or these resources constrain either current or future operations or activities? Explain the nature and extent of restrictions.	~~YES/NO~~ **N/A**

8l. List any other areas on your base which are indicated as protected or preserved habitat other than threatened/endangered species that have been listed in Section 1. List the species, whether or not treated, and the acres protected/preserved.

None

9. WRAPUP

9a. Are there existing or potential environmental showstoppers that have affected or will affect the accomplishment of the installation mission that have not been covered in the previous 8 questions?

NO

9b. Are there any <u>other</u> environmental permits required for base operations, include any relating to industrial operations.

YES

Underground Stowage Tanks-	**Construction & Operating Permits**
Drinking Water Systems-	**Construction & Operating Permits**
Waste Water Systems-	**Construction & Operating Permits**
Ground Water Monitoring Wells-	**Construction Permits**
Wetlands fill permits	
Solid Waste disposal permit	

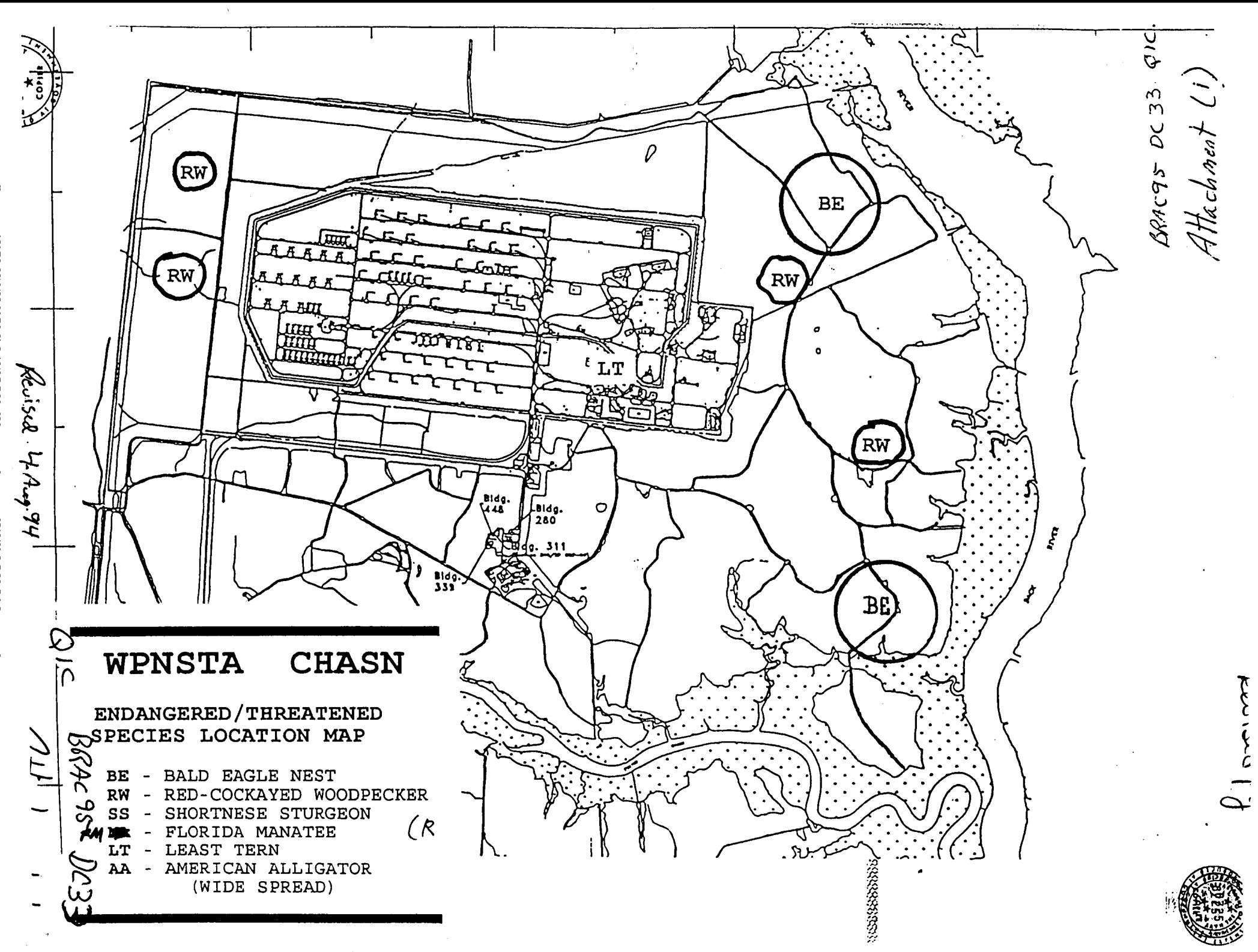
9c. Describe any other environmental or encroachment restrictions on base property not covered in the previous 8 sections.

None

9d. List any future/proposed laws/regulations or any proposed laws/regulations which will constrain base operations or development plans in any way. Explain.

None

Tenant Command Name	UIC
USS Santa Barbara	20111
USS Mount Baker	20115
U. S. Customs	32710
NTCC Detachment	33254
Branch Dental Clinic	35748
Navy Military Affiliate Radio System (MARCORPS)	41306
Personnel Support Activity Detachment	43350
Naval Consolidated Brig Charleston	45610
Explosive Ordnance Disposal (EOD) Mobile Unit 12	47151
Nuclear Power Training Unit (NPTU) - Instructors	47723
NPTU - Support	47724
NPTU - Reactor Unit	47785
NPTU - Students	47801
Defense Commissary Agency	48873
NPTU - Instructors	49230
Marine Corps Security Forces	53690
EOD Mobile Unit 6	55238
Resident Officer-In-Charge of Construction (ROICC)	62467
Polaris Missile Facility Atlantic (POMFLANT)	63028
Naval Electronic Systems Engineering Center	65236
Naval Hospital Charleston Branch Clinic	68084
Military Sealift Command Atlantic	68779
NPTU - Commanding Officer	68898
Defense Finance and Accounting Service	HQ0104
Military Traffic Management Command-	Army=W37QLQ
1304 Major Port Command	Navy=47272
U. S. Army Materiel Command (DESCOM)	W39QAA
U. S. Army Corps of Engineers	W74RDV

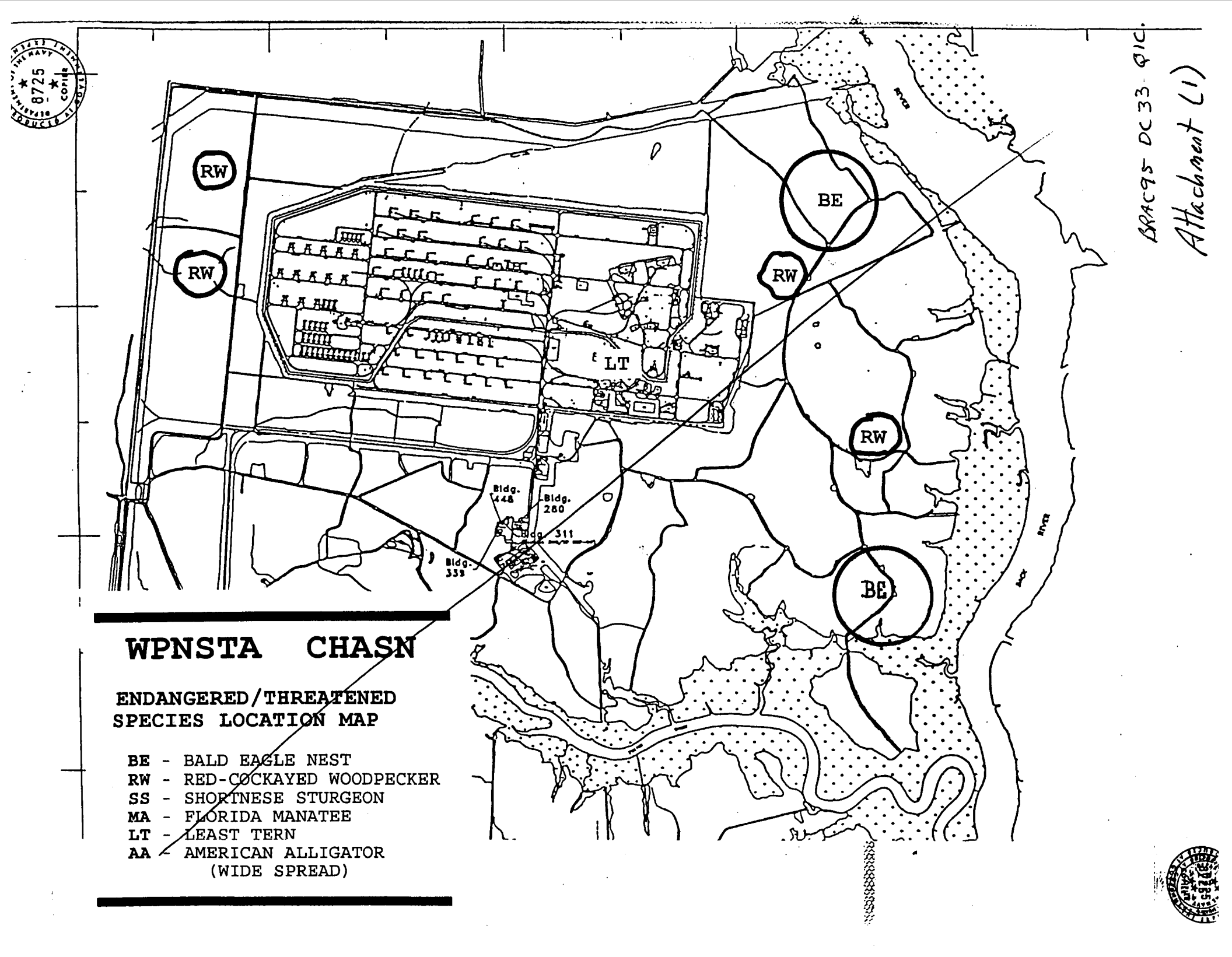


WPNSTA CHASN

ENDANGERED/THREATENED SPECIES LOCATION MAP

BE - BALD EAGLE NEST
RW - RED-COCKAYED WOODPECKER
SS - SHORTNESE STURGEON
[redacted] - FLORIDA MANATEE
LT - LEAST TERN
AA - AMERICAN ALLIGATOR (WIDE SPREAD)

BRAC95 DC33 QIC
Attachment (1)
Revised 4 Aug 94

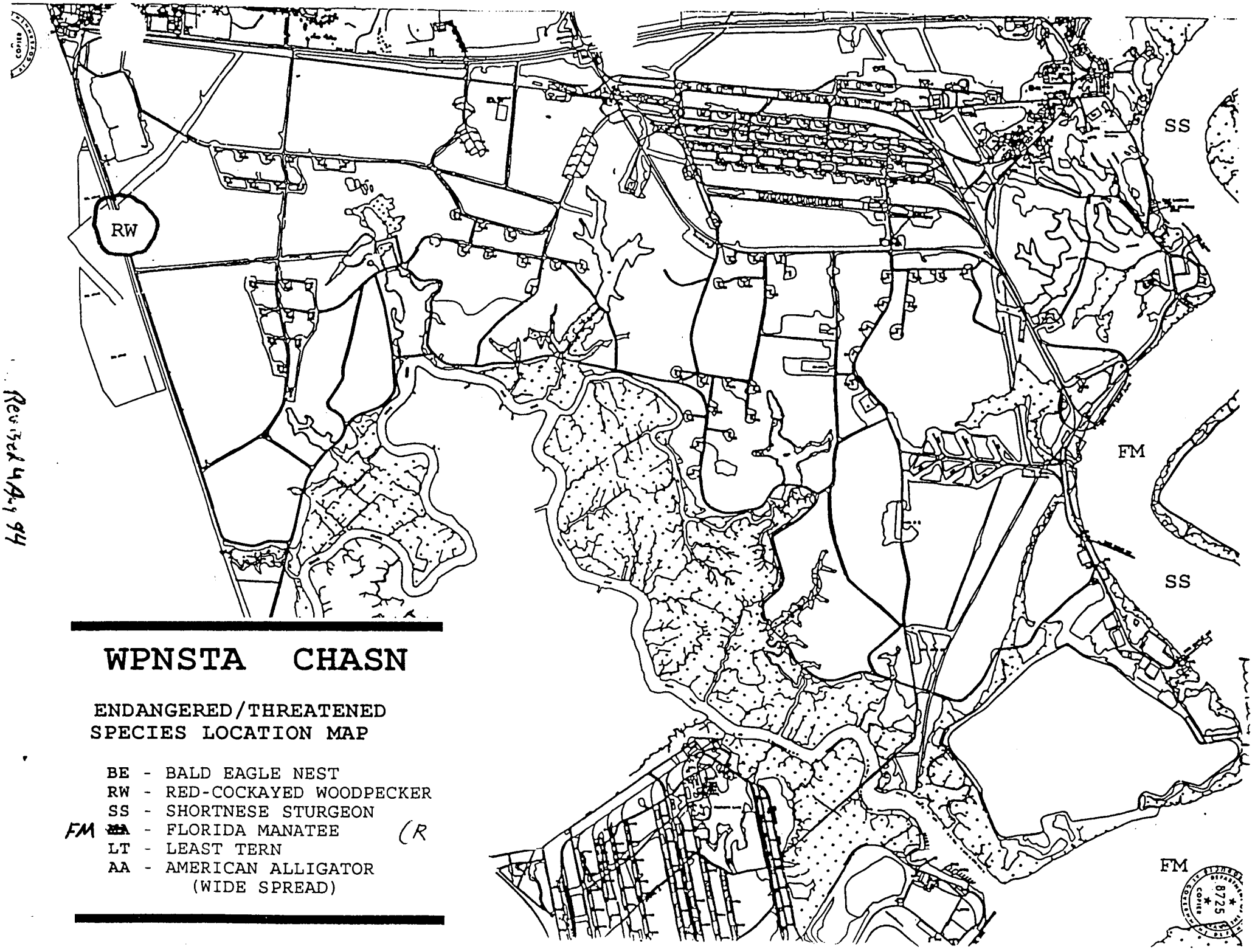


WPNSTA CHASN

ENDANGERED/THREATENED SPECIES LOCATION MAP

BE - BALD EAGLE NEST
RW - RED-COCKAYED WOODPECKER
SS - SHORTNESE STURGEON
MA - FLORIDA MANATEE
LT - LEAST TERN
AA - AMERICAN ALLIGATOR (WIDE SPREAD)

BRAC95 DC33 PIC.
Attachment (1)



WPNSTA CHASN

ENDANGERED/THREATENED SPECIES LOCATION MAP

BE - BALD EAGLE NEST
RW - RED-COCKAYED WOODPECKER
SS - SHORTNESE STURGEON
FM ~~MA~~ - FLORIDA MANATEE (R
LT - LEAST TERN
AA - AMERICAN ALLIGATOR (WIDE SPREAD)

Revised 4/4/94

3.0 EMISSIONS INVENTORIES

The spreadsheets presented in Appendices B, C and D contain point source information necessary to calculate emissions and/or determine compliance with regulatory requirements. This information was gathered during site visits and/or subsequent communications with NWS Charleston personnel.

Emissions calculated in the spreadsheets are based upon either U.S. Environmental Protection Agency (EPA) approved emissions factors or mass balance calculations. The most frequently utilized EPA source was Supplement E to Compilation of Air Pollutant Emission Factors, commonly referred to as AP-42. The Air Facility Subsystem, Source Classification Codes and Emissions Factor Listing for Criteria, Air Pollutants (EPA Document No. 450/4-90-003), and the Toxic Air Pollutant Emission Factors - A Compilation for Selected Air Toxics Compounds and Sources (EPA Document No. 450/2-88-062) were also used as sources of emission factors. The former is generally referred to as Airs Subsystem and the latter is referred to throughout this document as XATEF. XATEF is the term used to refer to the computer data base that corresponds with the hard copy of the emission factor data base.

As a general rule, the non-hazardous air pollution factors were either obtained from the AP-42 or Airs Subsystem, and the HAP emission factors were obtained from XATEF. Every effort has been made to quantify even the slightest emissions of a HAP by searching the XATEF data base, which is updated periodically from the EPA complex at Research Triangle Park in North Carolina.

The type of calculation method used and/or specific emission factors are shown on Tables C-1, C-2 and C-3. Specific emission factors are often not available for some sources such as solvent degreasing and surface coating operations. These sources utilize many different types of materials from numerous

BRK 95 DC33 Q5c.
Attachment (2)

manufacturers, and development of emission factors is not practical. Material Safety Data Sheets (MSDS) were collected for the materials used in these types of operations, and emissions are calculated based upon the data given for usage of these materials by NWS Charleston personnel.

The first column on all tables in Appendix B contains the Source ID. The Source ID is used throughout this report to reference a particular source. The SCDHEC ID is shown in the second column to assist NWS Charleston personnel in future cross referencing of sources. SCDHEC prefers that a facility use the same source identification on all correspondence with SCDHEC.

A "Scope of Work List" for NWS Charleston was included as part of the original contract with SOUTHDIV. The third column in Appendix B shows the Scope of Work ID Number. An entry of "Added" indicates that this is a source which is not included in the original scope of work but has been included in this study. The last column in Appendix B indicates whether the source is permitted and its status with respect to exemption and/or permitting criteria. The final decision regarding compliance has to be made by SCDHEC. A search of SCDHEC files for NWS Charleston indicated that some air permits have been issued to and some air permits are pending for NWS Charleston (re: Table 2.2-1). A "Yes" entry in the first position of the permitted column in Appendix B indicates that a permit has been issued or is pending.

For the purposes of this report, it is necessary to establish some point at which it is of no use to quantify emissions. The limits set by Federal and State regulatory agencies (i.e., U.S. EPA and SCDHEC) that trigger permitting requirements are almost always given in tons per year (tpy). The limit for being classified as a "major source" established in the EPA/SCDHEC Title V permitting program

(re: Section 2.2) for the Charleston area, which is an attainment area for ozone and all other criteria pollutants, is 100 tons per year for criteria pollutants [carbon monoxide (CO), lead, oxides of nitrogen (NOx), particulate matter (PM), sulfur dioxide (SO_2), and volatile organic compounds (VOC)] (re: Code of Federal Regulations, 40 CFR 70.2). The limits for being classified as a "major source" based upon HAP emissions are 10 tons per year of any single HAP or 25 tons per year of any combination of HAP (re: Code of Federal Regulations, 40 CFR 70.2). SCDHEC regulations 61-62.1(II.F.2.g) and (II.F.2.h), establish one pound per hour and one thousand pounds per month as exemption criteria for emission sources. Based upon these limits set forth by EPA and SCDHEC, it can be reasonably argued that an emission source quantified to be only one pound per year could be considered a "negligible emission" source.

Throughout this report, we have carried out all emissions values in the "tons per year" column to three decimal places. For example, a value of "0.001 tons per year" in one of the tables in Appendix D represents two pounds per year [(0.001 tons/yr) x (2000 lb/ton) = 2.0 lb/yr]. Similarly, a value of "0.0005 tons per year" would represent exactly one pound per year. However, the "0.0005 tons per year" value would be rounded to indicate "0.001 tons per year" in the tables in Appendix D. Any value less than 0.0005 tons per year (i.e., less than one pound per year) would be indicated on the Appendix D tables as "0.000 tons per year". Therefore, by allowing the Appendix D tables to only indicate three decimal places, emissions below one pound per year are not quantified. However, these "negligible emissions" are still included in the emission summations at the bottom of the tables in Appendix D.

Based upon the information given above, it would take approximately two thousand "negligible emission" sources to reach one percent of the allowable limits for criteria pollutants [(2000 sources) x

(0.0005 ton/source) = 1.0 ton per year]. Similarly, two thousand sources emitting a single HAP would only make up ten percent of the allowable emissions from HAP's to still be classified as a "minor source" (re: "major source" definition in Section 2.2). It would take approximately 12,000 "one pound per year" sources [(12,000 sources) x (0.0005 ton/source) x (2000 lb/ton) = 12,000 pounds per year] to exceed the exemption limits of SC R61-62.1(II.F.2.g) and (II.F.2.h). Therefore, any sources showing 0.000 tons per year or indicated to have "negligible emissions" by the acronym "NE" in the tables in the appendices can be considered to emit less than one pound per year.

3.1 FUEL BURNING SOURCES

External combustion fuel-burning equipment at NWS Charleston burns either natural gas or Fuel Oil No. 2 as fuel. Rated input capacities of boilers in million Btu's per hour are shown in Table B-1. Rated fuel usage is shown to the left of this column. Some boilers are equipped to burn both natural gas and Fuel Oil No. 2. To determine which fuel is used for a boiler with two fuel usage ratings, refer to the "Actual Operation (hr/yr)" column. The non-zero entry indicates usage of the corresponding fuel for that particular boiler.

All boiler emissions, with the exception of formaldehyde, are calculated according to AP-42 emission factors. Formaldehyde emissions are based upon XATEF factors. Formaldehyde emissions for Fuel Oil No. 2 are calculated using an emission factor expressed as pounds per million Btu. The emission factors for natural gas and Fuel Oil No. 2 are shown in Table C-1.

In estimating the actual emissions from boilers, the following algorithms were used:

$E_p = (U * f) / 10^6$ (3.1-1) natural gas

$E_p = (U * f) / 10^3$ (3.1-2) Fuel Oil No. 2

$E_{form} = C * f_{form}$ (3.1-3) Fuel Oil No. 2

$E'_p = (E_p * H) / 2000$ (3.1-4) natural gas & Fuel Oil No. 2

where: E_p = emission rate for pollutant p (lb/hr);

E_{form} = emission rate for formaldehyde (lb/hr), Fuel Oil No. 2 only;

E'_p = emission rate for pollutant p (tpy);

U = average annual fuel usage

natural gas - cubic feet per hour (cfh)

Fuel Oil No. 2 - gallons per hour (gph);

f = appropriate AP-42 emission factor for pollutant and fuel

re: Table C-1

natural gas - pounds per million cubic feet (lb/MMft3)

Fuel Oil No. 2 - pounds per thousand gallons (lb/kgal);

C = input capacity, million Btu per hour (MMBtu/hr);

H = operating time (hr/yr);

10^6 = unit proportionality constant;

10^3 = unit proportionality constant;

2000 = conversion factor of pound to tons.

Potential hours of operation are based upon item five (5) of letter to Rudy Powell, Davis & Floyd, Inc. from M. Darrell Thornley, SOUTHDIV, ref: 5090, Code 1836, 27 Apr 1993.

Boilers used for comfort heating are assumed to have potential hours of operation of 5040 per year. Boilers used for steam, hot water and other non-seasonal applications are assumed to have potential hours of operation of 8760 hours per year. Conservative estimates of the maximum percentage of time that boilers would actually fire and thus be burning fuel are 40 percent for comfort heating and 50 percent for nonseasonal applications. Therefore, maximum potential time of operation for boilers used for comfort heating is 2016 hours per year, and for boilers used for nonseasonal applications is 4368 hours per year. ("Operation" in Table B-1 and Section 3.1 is defined as burner operation.)

Example Calculation - Natural Gas:

Given: 2.09 MMBtu/hr boiler (Source ID F1)

natural gas usage = 1994.0 cfh

actual operating time = 1680 hr/yr

potential operating time = 2016 hr/yr

emission factor = 3.00 lb/MMft^3 (Table C-1)

Find: emission rate for particulate matter (PM), lb/hr

actual emission rate for particulate matter (PM), tpy

potential emission rate for particulate matter (PM), tpy

Using equations 3.1-1 and 3.1-4:

$$E_{PM} = (1994 \text{ ft}^3 / \text{hr}) * (3 \text{ lb} / \text{MMft}^3) / (10^6 \text{ ft}^3 / \text{MMft}^3)$$

$$= 0.006 \text{ lb/hr}$$

E'_{PM} = (0.006 lb / hr) * (1680 hr / yr) / (2000 lb / ton)

= 0.005 tpy (actual)

E'_{PM} = (0.006 lb / hr) * (2016 hr / yr) / (2000 lb / ton)

= 0.006 tpy (potential)

Example Calculation - Fuel Oil No. 2:

Given: 1.675 MMBtu/hr boiler (Source ID F4)

actual operating time = 125 hr/yr

potential operating time = 4368 hr/hr

emission factor for formaldehyde = 405/E6 lb/MMBtu (Table C-1)

= 0.000405 lb/MMBtu

Find: actual emission rate for formaldehyde, lb/hr

actual emission rate for formaldehyde, tpy

potential emission rate for formaldehyde, tpy

Using equations 3.1-3 and 3.1-4:

E'_{form} = (1.675 MMBtu/hr) * (0.000405 lb/MMBtu)

= 0.0007 lb/hr

E'_{form} = (0.0007 lb / hr) * (125 hr / yr) / (2000 lb / ton)

= 0.000 tpy (actual)

E'_{form} = (0.0007 lb / hr) * (4368 hr / yr) / (2000 lb / ton)

= 0.001 tpy (potential)

Table D-1 summarizes the actual and potential emissions for all external combustion fuel-burning equipment.

3.2 STATIONARY INTERNAL COMBUSTION ENGINE

All SICE at NWS Charleston burn Fuel Oil No. 2. Most of these sources are stationary generators. Portable generators are marked with an asterisk (*) on Table B-2. There are also three fire pumps listed on Table B-2. The rated capacities of these sources range from 6 kilowatts (kW) to 1050 kW and are shown on Table B-2.

Most generators are tested for thirty minutes every week, which translates to an actual operating time of 26 hours per year. Unless data indicated otherwise, 26 hours per year was assumed as actual operating time for these sources. Actual annual operating hours are shown on Table B-2.

SCDHEC indicated that 250 hours per year would be a reasonable potential operation time for SICE which are only in use while being tested (re: Memorandum, W. D. Few of Davis & Floyd, Inc. telephone conversation with Robert Wood of SCDHEC - 23 August 1993 in Appendix A). For SICE sources which operate regularly for other purposes, the potential operation time is shown as 1000 hours per year. Generators which have been permitted by SCDHEC may be operated with the permit condition that time of usage does not exceed 1000 hours per year per generator.

As a general rule, data for SICE stack velocities and temperatures was difficult to obtain. This data should be available in the owner manuals and/or operating specifications for the various generator units in use. Data in these manuals is based upon the percentage of the total load capacity that the unit is expected to operate, which is usually 80 percent of capacity. Many of the units identified are old and owner manuals were not available at the activity and are difficult to obtain from manufacturers. Due to the difficulty in obtaining this data from the numerous manufacturers of generator sets at SOUTHDIV facilities, equations have been developed to calculate this data as a function of the rated kilowatt capacity of the units.

The stack temperature and velocity of SICE units are dependent upon several variables. The primary consideration, apart from the capacity of the unit, is the load placed on the unit when running. Other factors affecting temperature and velocity values are the air-fuel ratio, and the type of fuel used in the unit. Considering the potential variability of the factors which may affect the stack temperature and velocity, specifically the load applied, development of the equations presented below was the only reasonable means of determining these values.

The equations developed to estimate SICE stack temperature and velocity were derived by gathering current data from several major generator manufacturers (Onan, Kohler, Olympian, and Caterpillar). Stack velocities are a function of the SICE's exhaust flow rate (EFR) and the diameter of the exhaust stack. The data was organized according to kilowatt capacities, and average values for temperature and EFR were calculated for each group of equivalent kilowatt capacities. These average values were then plotted with the temperature and exhaust flow rate on the Y-axis and the kilowatt capacity of the SICE on the X-axis. Once the graphs were

drawn, equations were developed by analyzing the sloping trends of the curves and comparing the values given from the formulas to the data used to develop the graphs.

The equations applied for calculation of EFR are as follows:

For rated kilowatt capacity less than 300 kW:

$$EFR = 9.95 * (KW) + 15 \quad (3.2\text{-}1)$$

For rated kilowatt capacity greater than 300 kW:

$$EFR = 6.667 * (KW) + 1000 \quad (3.2\text{-}2)$$

The equations applied for calculation of exhaust gas temperature are as follows:

For rated kilowatt capacity less than 500 kW:

$$EGT = -0.20 * (KW) + 1050 \quad (3.2\text{-}3)$$

For rated kilowatt capacity greater than 500 kW:

$$EGT = -0.067 * (KW) + 983.3 \quad (3.2\text{-}4)$$

Exhaust gas velocity may be calculated using the following equation:

$$EGV = EFR / (AREA * 60) \quad (3.2\text{-}5)$$

where:

EFR = Exhaust gas flow rate, cubic feet per minute (cfm);

EGT = Exhaust gas temperature, degrees Fahrenheit (°F);

EGV = Exhaust gas velocity, feet per second (fps);

KW = Rated output capacity of unit, kilowatts (kW);

AREA = Cross-sectional area of stack, square feet (ft^2)

= $3.1416 * (d/2)^2$ where d = equivalent diameter of stack, ft;

60 = conversion factor of minutes to seconds.

3.1416 = pi (ratio of circle's circumference to its diameter)

Example Calculation:

Given: Generator capacity = 125 kW (Source ID E2)

Stack diameter = 0.21 ft

Find: exhaust gas temperature, °F

exhaust gas velocity, fps

Using equations 3.2-3, 3.2-1 and 3.2-5:

EGT = (-0.20 * 125) + 1050 = 1025 °F

EFR = (9.95 * 125) + 15 = 1259 cfm

EGV = (1259 ft^3/min) / ((3.1416 * (0.21 ft/2)^2) * 60 sec/min) = 606 fps

Emission factors for SICE derived from AP-42 are shown in Table C-1. Emission factors are a function of SICE capacity and are expressed as grams per kilowatt-hour. Emission factors

from Table C-1, and rated capacity and actual annual operating hours from Table B-2, were used to calculate actual emissions with the following algorithms:

$$E_p = (U * f) / 454 \quad (3.2\text{-}6)$$

$$E'_p = (E_p * H) / 2000 \quad (3.2\text{-}7)$$

where: E_p = emission rate for pollutant p, pounds per hour (lb/hr);

E'_p = emission rate for pollutant p, tons per year (tpy);

U = generator capacity, kilowatts (kW);

f = appropriate AP-42 emission factor for pollutant, grams per kilowatt-hour (g/kWh), re: Table C-1;

H = estimated operating time, hours per year (hr/yr);

454 = conversion factor of grams to pounds;

2000 = conversion factor of pound to tons

Example Calculation:

Given: 125.0 kW generator (Source ID E1)

actual operating time = 26 hr/yr

potential operating time = 250 hr/yr

emission factor for PM = 1.34 g/kWh (Table C-1)

Find: emission rate for PM, lb/hr

actual emission rate for PM, tpy

potential emission rate for PM, tpy

Using equations 3.2-6 and 3.2-7:

E_{PM} = (125 kW) * (1.34 g / kWh) / (454 g / lb)

= 0.369 lb/hr

E'_{PM} = (0.369 lb / hr) * (26 hr / yr) / (2000 lb / ton)

= 0.005 tpy (actual)

E'_{PM} = (0.369 lb / hr) * (250 hr / yr) / (2000 lb / ton)

= 0.046 tpy (potential)

Table C-1 indicates that the pound per hour emission rate for SO_2 should be calculated by mass balance for any SICE with an output capacity greater than or equal to 447 kW. AP-42 further states that all sulfur in the fuel should be assumed to be converted to SO_2. Fuel Oil No. 2 at NWS Charleston contains 0.5 mass percent sulfur. Equation 3.2-8 is used to calculate the pound per hour emission rate based upon the input capacity of the SICE and an engine efficiency of 60 percent. (Actual and potential emission rates expressed as tons per year may then be calculated using equation 3.2-7.)

$$E_p = (KW * 3414 * 0.005 * 2) / (0.6 * 19460) \quad (3.2\text{-}8)$$

where:

E_p = emission rate for pollutant (lb/hr);

KW = rated output capacity of SICE (kW);

3414 = conversion factor, Btu to kWh;

0.005 = mass fraction of sulfur in fuel, dimensionless;

2 = conversion factor, pounds of sulfur to pounds of sulfur dioxide;

0.6 = efficiency of engine (fraction);

19,460 = heat content of Fuel Oil No. 2 (Btu/lb);

2000 = conversion factor, lb to ton.

Example Calculation:

Given: 750 kW generator (Source ID E18)

Find: emission rate for SO_2, lb/hr

Using equation 3.2-8:

E_{SO2} = (750 kW) * (3414 Btu / kWh x 0.005 x 2) / (0.6 x 19460 Btu / lb)

= 2.193 lb/hr

Table D-2 summarizes actual and potential emissions from stationary internal combustion sources at NWS Charleston.

3.3 SURFACE COATING OPERATIONS

Surface coating operations at NWS Charleston are identified in Table B-3, the parent material information used to calculate emissions is presented in Table C-2, and emissions are summarized in Table D-3. Over 99% of the material used in surface coating operations at NWS Charleston is applied in paint booths. The only fugitive source being 5 gallons of open painting taking place at Building 2.

All of the paint booths are equipped with filters, which have particulate removal efficiencies ranging from 90-95 percent. The typical application efficiency of a spraying operation is 40 percent (AP-42, 1982). Therefore, a 60 percent overspray has been assumed for all spraying operations for the purposes of calculating particulate emissions. No VOC controls (i.e., after-burners, carbon adsorption, etc.) are present on any of the paint booths. Therefore, the total amount of VOC in a surface coating material are assumed to be released to the atmosphere. Generally, most of the VOC emissions occur during the application and drying process.

The following equations are used to calculate emissions from surface coating operations at NWS Charleston:

$$E_{voc} = (U * Vc) / H \quad (3.3\text{-}1)$$

$$E'_{voc} = E_{voc} * H / 2000 \quad (3.3\text{-}2)$$

$$E_{pm} = (U * D * PM_c * O * (1- N)) / H \quad (3.3\text{-}3)$$

$$E'_{pm} = E_{pm} * H / 2000 \quad (3.3\text{-}4)$$

$$E_{vhap} = E_{voc} * (V_{hap} / 100) \quad (3.3\text{-}5)$$

$$E_{phap} = E_{pm} * (PM_{hap} / 100) \quad (3.3\text{-}6)$$

$$E'_{vhap} = E_{vhap} * H / 2000 \quad (3.3\text{-}7)$$

$$E'_{phap} = E_{phap} * H / 2000 \quad (3.3\text{-}8)$$

where: E_{voc} = VOC emission rate (lb/hr);

E'_{voc} = VOC emission rate (tpy);

E_{pm} = Particulate matter emission rate (lb/hr);

H = Annual operating hours (hr/yr);

U = Annual material usage (gpy);

D = Material density (lb/gal);

V_c = VOC content (lb/gal);

PM_c = Particulate matter content (weight percent/100);

O = Overspray (%/100);

N = Control efficiency (%/100);

2000 = Conversion factor, pounds to ton;

PM_{hap} = Percentage of PM that is hazardous (%);

V_{hap} = Percentage of VOC that is hazardous (%).

Example Calculation:

Given: Paint spray booth in Building 86 (Source ID-S3)

Ultrabase basecoat paint usage, U = 25 gpy

Annual operating hours, H = 2080 hr/yr

Find: Emissions of non-hazardous VOC and PM.

The MSDS for Ultrabase basecoat gives the following information which can be found in Table

C-2:

D = 8.6 lb/gal

V_c = 6.45 lb/gal

PM_c 0.25

Using equations 3.3-1 and 3.3-2:

E_{voc} = (25 gal/yr) * (6.45 lb/gal) / (2080 hr/yr)

= 0.078 lb/hr

E'_{voc} = (0.078 lb/hr) * (2080 hr/yr) / (2000 lb/ton)

= 0.081 ton/yr

Using equations 3.3-3 and 3.3-4:

E_{pm} = (25 gal/yr) * (8.6 lb/gal) * (0.25) * (0.60) * (1-0.95) / (2080 hr/yr)

= 0.001 lb/hr

E'_{pm} = (0.001 lb/hr) * (2080 hr/yr) / (2000 lb/ton)

= 0.001 ton/yr

Find: Emissions of HAP VOC and PM.

Using the information from the MSDS presented in Table C-2:

PM_{hap} = 46

V_{hap} = 54.7

Using equations 3.3-5 and 3.3-7:

E_{vhap} = (0.078 lb/hr) * (54.7) / (100)

= 0.043 lb/hr

E'_{vhap} = (0.043 lb/hr) * (2080 hr/yr) / (2000 lb/ton)

= 0.044 ton/yr

Using equations 3.3-6 and 3.3-8:

E_{phap} = (0.001 lb/hr) * (46/100)

= 0.0004 lb/hr

E'_{phap} = (0.0004 lb/hr) * (2080 hr/yr) / (2000 lb/ton)

= 0.0004 ton/yr

To calculate total HAP emissions and potential emissions of VOC, PM, and HAP, the following algorithms are applied:

$E_{thap} = E_{vhap} + E_{phap}$ (3.3-9)

$E'_{thap} = E'_{vhap} + E'_{phap}$ (3.3-10)

$PE'_{voc} = E'_{voc} * H_p / 2000$ (3.3-11)

$PE'_{pm} = E_{pm} * H_p / 2000$ (3.3-12)

$PE'_{thap} = E_{thap} * H_p / 2000$ (3.3-13)

where: E_{thap} = total HAP emission rate (lb/hr);

E'_{thap} = total HAP emission rate (tpy);

PE'_{voc} = VOC potential emissions (tpy);

PE'_{pm} = PM potential emissions (tpy);

PE'_{thap} = total HAP emission rate (tpy);

H_p = potential hours of operation (hr/yr).

Example Calculation:

Given: Paint spray booth in Building 86 (Source ID-S3)

Ultrabase basecoat paint usage, U = 25 gpy

Annual operating hours, H_p = 8736 hr/yr

Find: Total HAP actual and potential emissions.

Using equations 3.3-9, 3.3-10, and 3.3-13:

E_{thap} = (0.0424 lb/hr) + (0.0004 lb/hr)

= 0.0428 lb/hr

E'_{thap} = (0.0441 ton/yr) + (0.004 ton/yr)

= 0.044 ton/yr

PE'_{thap} = (0.0428 lb/hr) * (2080 hr/yr) / (2000 lb/ton)

= 0.044 ton/yr

Find: Non-HAP VOC and PM potential emissions.

Using equations 3.3-11 and 3.3-12:

PE'_{voc} = (0.078 lb/hr) * (2080 hr/yr) / (2000 lb/ton)

= 0.081 ton/yr

PE'_{pm} = (0.001 lb/hr) * (2080 hr/yr) / (2000 lb/ton)

= 0.001 ton/yr

Specific HAP emissions presented in Table D-7A from surface coating operations are calculated by multiplying the HAP-VOC and HAP-PM emissions by the percentage of those rates that represent the specific HAP.

3.4 SOLVENT USE SOURCES

Emissions from solvent operations were calculated by using mass balance principles and VOC percentages obtained from appropriate material data and safety sheets (MSDS). VOC emissions from solvent use processes at NWS Charleston have been calculated under the conservative assumption that all of the volatile solvent utilized is released to the atmosphere. The MSDS for the two types of solvents used at NWS Charleston, PD-680 Type I and Safety Kleen 105 Solvent, indicate the presence of a small amount of HAP. Safety Kleen's Solvent 105 consists of 85 percent mineral spirits, 12% "C8+ Aromatics", 1 percent xylene, 0.5 % ethylbenzene, 0.5 percent toluene, 0.5 percent 1,1,1-trichloroethane, and 0.5 perchloroethylene. "PD680A, Type I" consists of 99.9+ percent petroleum distillates. Therefore, solvent emissions will consist primarily of non-HAP, non-exempt VOC's.

Solvent use emissions have been calculated according to the following algorithms:

$$E_{voc} = (U * V_c) / H \quad (3.4\text{-}1)$$

$$E'_{voc} = (E_{voc} * H) / 2000 \quad (3.4\text{-}2)$$

where: E_{voc} = VOC emission rate (lb/hr);

V'_{voc} = VOC emission rate (ton/yr);

V = Annual product usage (gal/yr);

V_c = VOC content (lb/gal);

H = Annual operating hours (hr/yr);

2000 = Conversion factor, pounds to tons

Example Calculation:

Given: Degreaser tank Building 37

PD-680, Type I usage, V = 52 gal/yr

Annual operating hours, H = 520 hr/yr

Find: VOC hourly and annual emission rates.

From the MSDS, we know that PD-680, Type I, is 100% volatile and the product density is 6.50 pounds per gallon. Therefore, V_c = 6.50 lb/gal.

Using equations 3.4-1 and 3.4-2:

E_{voc} = (52 gal/yr) * (6.49 lb/gal) / (520 hr/yr)

= 0.649 lb/hr

E'_{voc} = (0.649 lb/hr) * (520 hr/yr) / (2000 lb/ton)

= 0.169 ton/yr

3.5 GAS STATIONS AND RELATED OPERATIONS

Emissions of non-HAP VOC's from tanks are based upon AP-42, and HAP emissions are based upon XATEF emission factors. These factors are given in terms of pounds per thousand gallons of throughput, and emissions are calculated by multiplying the factor by the annual throughput for the tanks.

The revised EPA AP-42 method, which calculates emissions based upon throughput, has been used to calculate emissions from the tanks presented in Tables B-5 and D-5. Twelve sources have been identified at NWS Charleston for VOC petroleum handling emissions. Weapons Station personnel indicated that three of the sources were duplicates with building numbers referring to fueling islands (See Table B-5). SCDHEC has stated that they are not concerned with storage tank emissions and, therefore, only VOC losses from vehicle refueling operations are presented in Table D-5. Emissions are calculated based upon the following algorithms:

E_{voc} = T * EF / 1000 (3.5-1)

E'_{voc} = E_{voc} / 2000 (3.5-2)

Where: E_{voc} = VOC emission rate (lb/hr);

E'_{voc} = VOC emission rate (ton/yr);

T = Annual fuel throughput (gal/yr);

EF = AP-42 emission factor (lb/1000 gal);

1000 = Conversion factor, thousand gallons to gallons;

2000 = Conversion factor, pounds to tons.

Example Calculation:

Given: Gas station at Building 922

Annual gasoline throughput, T = 255,000 gal/yr

Find: VOC emission rates from fueling loss.

AP-42, Volume I, Book I, gives an emission factor for working loss of 9.0 pounds per thousand gallons and a spillage loss factor of 0.7 pounds per thousand gallons, combining these factors yields a vehicle refueling emission factor of 9.7 pounds per gallon.

Using Equation 3.5-1 and 3.5-2:

E_{voc} = (255,000 gal/yr) * (9.7 lb/1000 gal)

= 2,474 lb/yr

E'_{voc} = (2,474 lb/yr)/(2000 lb/ton)

= 1.237 ton/yr

Air toxic emissions presented Table D-5A have been calculated in the same manner as VOC

emissions. The toxic emissions do account for emissions from the tanks and not just for vehicle refueling emissions. The factors used for each pollutant are a summation of applicable factors from the XATEF data base for that particular HAP.

3.6 MISCELLANEOUS SOURCES

Table B-6 lists miscellaneous air pollution sources. Sources are arranged by building number/name in numerical/alphabetical order. For each source, the process type and material(s) used are given. Except for fugitive emissions, stack data and type of pollution control device are also given. Despite efforts to determine year of installation for miscellaneous processes at NWS Charleston, almost all entries in the "Year Installed" column contain "NA" (Not Available) due to the fact that no records could be found which showed this information.

Table D-6 shows actual and potential emissions from miscellaneous sources. Potential emissions for miscellaneous sources are based on an operating time of 2080 hours per year, which is equivalent to 8 hours per day, 5 days per week, 52 weeks per year. Table D-6 summarizes the total actual and potential emissions from miscellaneous processes. Emission factors and/or calculation methods used to determine emissions for miscellaneous processes are shown in Table C-1.

Woodworking operations are represented by Source ID Numbers M1, M9, M22, M25, M44 and M67. All woodworking sources except Source ID M9 utilize a cyclone in conjunction with a baghouse to control emissions. As shown in Table C-1, emissions are negligible when a cyclone and baghouse are utilized as control equipment. When calculating emissions for Source

ID M9, the AP-42 emission factor (expressed in pounds of particulate matter per hour of usage) is used.

Pound per hour emission rates for the Wet-X Torpedo Disassembly at Building 79 (Source ID M11, M12, M13 and M14) were provided by NWS Charleston. The AP-42 emission factor for sandblasting operations is also expressed in pounds of particulate matter per hour of usage. The pound per hour values for woodworking, torpedo disassembly and sandblasting are used in Table D-6 as given in Table C-1. Actual and potential emissions expressed in tons per year are calculated using the following algorithm:

$$E'_p = H * f / 2000 \qquad (3.6\text{-}1)$$

where: E'_p = emission rate for pollutant p (tpy)

f = appropriate AP-42 emission factor for pollutant (lb/hr) re: Table C-1

H = operating time (hr/yr)

2000 = conversion factor of pound to tons

Example Calculation:

Given: actual operating time = 52 hr/yr (Source ID M7)

potential operating time = 2080 hr/yr

emission factor for PM for sandblasting = 0.02 lb/hr (Table C-1)

Find: actual emission rate for PM, tpy

potential emission rate for PM, tpy

Using equation 3.6-1:

E'_{PM} = (52 hr / yr) * (0.02 lb / hr) / (2000 lb / ton)

= 0.001 tpy (actual)

E'_{PM} = (2080 hr / yr) * (2.00 lb / hr) / (2000 lb / ton)

= 0.021 tpy (potential)

Emissions from the Demilitarized Furnace (Source ID M5) consist of nitrous oxides (NOx), particulate matter (PM), sulfur dioxode (SO_2), VOC, and carbon monoxide (CO). The Demilitarized Furnace has been out of service since December of 1989, but is expected to be used again sometime in 1993. Emissions from this source have been estimated by using either the largest pound per hour values provided in Tables II and III (pages 12 through 14) of the Resource Conservation and Recovery Act (RCRA) permit application [Re: RCRA Part B Hazardous Waste Permit Application, EPA No. SC817002262, Trial Burn Plan, Naval Weapons Station Charleston, SC] or by assigning a conservative emission rate based upon the data provided in the RCRA permit application. The values presented in Tables II and III of the RCRA permit application are based upon stack testing performed in April/May 1987.

No values for CO emissions were identified in the RCRA permit application. However, CO is known to be a product of Fuel Oil #2 combustion, which is the fuel type used to heat the furnace. Therefore, the emission factor to calculate CO emissions from the Demilitarized Furnace is the same as the factor used to calculate CO emissions from Fuel Oil #2 fired boilers (re: Table C-1). The RCRA permit indicates a Fuel Oil #2 firing rate ranging from 3 gallons

per hour to 18 gallons per hour. We have used 18 gallons per hour as a conservative estimate of the Fuel Oil #2 usage rate for this source. Emissions for CO are calculated as shown in Section 3.1 using equations 3.1-2 and 3.1-4.

According to the data presented in the RCRA permit for the 19 different items tested in the trial burn, the range of emission rates for NOx from the Demilitarized Furnace was from less than 0.13 pounds per hour to 6.72 pounds per hour. The six largest emission rates for NOx ranged from 4.17 to 6.72 pounds per hour, while the smallest 13 values ranged from less than 0.13 to 0.39 pounds per hour. Based upon this data, we have decided to use a conservative 5.0 pound per hour emission factor to calculate NOx emissions from the Demilitarized Furnace. Emissions for NO_x are calculated as shown in Section 3.1 using equations 3.1-2 and 3.1-4.

Emissions of PM, SO_2, and VOC have been estimated by using the highest pound per hour values given for these pollutants in Tables II and III of the RCRA permit application. The emission factors, given in pounds per hour, are identified in Table C-1. These values are used in Table D-6 as given in Table C-1. Actual and potential emission rates for PM, SO_2 and VOC are calculated using the following algorithm:

$$E'_p = (f * H) / 2000 \qquad (3.6\text{-}2)$$

where: E'_p = emission rate for pollutant p (tpy);

f = emission factor for pollutant p (lb/hr), re: table C-1;

H = operating time (hr/yr).

Example Calculation:

Given: Demilitarization furnace (Source ID M5)

actual operating time = 588 hr/yr

potential operating time = 2080 hr/yr

emission factor = 0.376 lb/hr (Table C-1)

Find: actual emission rate for PM, tpy

potential emission rate for PM, tpy

Using equation 3.6-2:

E'_{pm} = (0.376 lb/hr * 588 hr/yr) / (2000 lb/ton)

= 0.111 tpy (actual)

E'_{pm} = (0.376 lb/hr * 2080 hr/yr) / (2000 lb/ton)

= 0.391 tpy (potential)

Formaldehyde emissions from the demilitarized furnace are calculated as shown in Section 3.1 using equations 3.1-3 and 3.1-4.

The two incinerators at NWS Charleston are dual-chamber devices using natural gas fuel and incinerating classified paper waste. Screens are installed at the top of the stacks. Emissions from natural gas fuel usage and from waste incineration are presented in Table D-6. In Table C-1, emission factors are based on (1) cubic feet of natural gas burned (from AP-42), and (2) tons of waste burned (from AIRS). Algorithms for calculating emissions from natural gas fuel usage are identical to those presented in Section 3.1 of this report. Emissions resulting from

incineration of classified paper waste are calculated as follows:

$$E'_p = (U * f) / (2000) \quad (3.6\text{-}3)$$

$$E_p = (E_p * 2000) / H \quad (3.6\text{-}4)$$

$$EP'_p = (E'_p * HP) / H \quad (3.6\text{-}5)$$

where: E'_p = emission rate for pollutant p (tpy)

E_p = emission rate for pollutant p (lb/yr)

U = annual amount of waste burned (tpy)

f = appropriate AP-42 emission factor for pollutant, pounds per ton burned (lb/ton) re: Table C-1

H = actual operating time (hr/yr)

HP = potential operating time (hr/yr)

2000 = conversion factor of pound to tons

Example Calculation:

Given: annual amount burned = 18 tpy (Source ID M15)

actual operating time = 288 hr/yr

potential operating time = 2080 hr/yr

emission factor = 3.3 lb/ton (Table C-1)

Find: actual emission rate for PM, tpy

emission rate for PM, lb/hr

potential emission rate for PM, tpy

Using equations 3.6-3, 3.6-4 and 3.6-5:

E'_{PM} = (18 ton burned / yr) * (3.3 lb / ton burned) / (2000 lb / ton)

= 0.0297 tpy (actual)

E'_{PM} = (0.0297 ton / yr) * (2000 lb / ton) / (288 hr / yr)

= 0.206 lb/hr

= 0.0297 tpy (actual)

EP'_{PM} = (0.0297 ton / yr) * (2080 hr / yr) / (288 hr / yr)

= 0.214 tpy (potential)

Welding operations at NWS Charleston are represented by Source ID M6, M8, M24, M38, M46, M61, M65, M68 and M69. Emission factors shown in Table C-1 are used to calculate particulate emissions. Particulate emissions from welding consist of HAP (shown on Table D-6 as "chemical name (PM)") and non-HAP (shown simply as "PM"). The following algorithms are used to calculate emissions from welding:

E_p = (U * f) / (H * 2000) (3.6-6)

E'_p = (E_p * H) / 2000 (3.6-7)

where: E_p = emission rate for pollutant p (lb/hr)

E'_p = emission rate for pollutant p (tpy)

U = usage rate of welding material (lb/yr);

f = emission factor for pollutant p, pounds of pollutant p per ton of welding material used (lb/ton), re: Table C-1;

H = operating time (hr/yr)

2000 = conversion factor of pounds to tons

Example Calculation:

Given: Welding at Building 65 (Source ID M6)

usage rate = 1716 lb/yr

actual operating time = 2080 hr/yr

potential operating time = 2080 hr/yr

emission factor for manganese = 0.5 lb Mn/ton rod

Find: emission rate for Mn, lb/hr

actual emission rate for Mn, tpy

potential emission rate for Mn, tpy

Using equations 3.6-6 and 3.6-7:

E_p = (1716 lb rod / yr * 0.5 lb Mn / ton rod) / (2080 hr / yr * 2000 lb rod / ton rod)

= 0.0002 lb Mn/hr

E'_p = (0.0002 lb / hr * 2080 hr / yr) / (2000 lb / ton)

= 0.000 tpy (actual)

E'_p = (0.0002 lb / hr * 2080 hr / yr) / (2000 lb / ton)

= 0.000 tpy (potential)

Mass balance calculations are used to determine emissions when emission factors are unavailable and emissions are known to exist. Mass balance calculations are used to calculate usage and emission rates for Source ID M3 and M73.

Pesticides are mixed at Building 17 (Source ID M3). An annual usage of 240 gallons per year of each pesticide is used. Emissions from the lab fume hood at NPTU are negligible (Source ID M72). Although laboratory facilities are exempt under SCDHEC regulations, emissions from NPTU Lab on Barge (Source ID M73) were calculated by mass balance.

MSDS and other standard reference materials were researched for each of the chemicals' ingredients to determine Chemical Abstract Services (CAS) number, HAP status, volatility, specific gravity/density, and volume/mass percent. It is conservatively assumed that 100 percent of the chemical volatilizes (for VOC) or becomes airborne (for dry products). VOC emissions are classified in Table D-6 as hazardous (shown as "chemical name") or as non-hazardous (shown simply as "VOC"). Similar nomenclature is used to classify particulate emissions (i.e., "chemical name (PM)"or "PM"). Equations used for mass balance emission calculations and examples follow.

$$U_p = (V_p * SG * D) / 7.48 \quad (3.6\text{-}8)$$

$$U_{voc} = (U_p * MP_{voc}) / (100) \quad (3.6\text{-}9)$$

$$E'_{voc} = (U_{voc}) / (2000) \quad (3.6\text{-}10)$$

$$E_{voc} = (E'_{voc} * 2000) / H \quad (3.6\text{-}11)$$

$$EP'_{voc} = (E'_{voc} * HP) / H \quad (3.6\text{-}12)$$

$$E'_{pm} = U_p / 2000 \quad (3.6\text{-}13)$$

E_{pm} = (E'_{pm} / 2000) / H (3.6-14)

EP'_{pm} = (E'_{pm} * HP) / H (3.6-15)

where:

U_p = annual usage of product p, pounds per year (lb/yr)

U_{voc} = annual usage of volatile organic compound c (lb/yr);

E'_{voc} = actual emission rate for volatile organic compound c (tpy);

E_{voc} = emission rate for volatile organic compound c (lb/hr);

EP'_{voc} = potential emission rate for volatile organic compound (tpy);

E'_{pm} = actual emission rate for particulate matter for dry product p (tpy);

E_{pm} = emission rate for particulate matter for dry product p (lb/hr);

EP'_{pm} = potential emission rate for particulate matter for dry product p (tpy);

V_p = annual usage of product (gpy);

SG_p = specific gravity of product, dimensionless;

D = density of water, pounds per cubic feet, lb/ft^3,

= $62.3/ft^3$;

MP_{voc} = mass percent of volatile organic compound in product, dimensionless (may represent a non-HAP VOC or a HAP VOC);

H = estimated operating time (hr/yr);

7.48 = conversion factor of gallons to cubic feet;

100 = conversion factor of percent to fraction;

2000 = conversion factor of pounds to tons (lb/ton).

Example Calculation:

Given: Dursban 4E (Source ID M3 on Table B-6)

product usage = 240 gpy

product specific weight = 0.976

volatile chemical - xylene (CAS number 64742-65-2)

xylene is classified as an HAP

xylene mass percent = 3.7%

actual operating time = 650 hr/yr

potential operating time = 2,080 hr/yr

Find: usage of Dursban 4E, lb/yr

usage of xylene, lb/yr

emission rate for xylene, lb/hr

actual emission rate for xylene, tpy

potential emission rate for xylene, tpy

Using equations 3.6-8, 3.6-9, 3.6-10 and 3.6-11:

U_p = (240 gal/yr * 0.976 * 62.3 lb/ft^3) / (7.48 gal/ft^3)

= 1951 lb/yr

U_{xylene} = (1951 lb/yr * 3.7) / 100

= 72 lb/yr

E'_{xylene} = (72 lb/yr) / (2000 lb/ton)

= 0.036 tpy (actual)

EP'_{xylene} = (0.036 ton/yr * 2080 hr/yr) / (650 hr/yr)

= 0.116 tpy

NWS Charleston conducts controlled burning of 6000 acres on a three-year rotation. It is assumed that an equal amount of acreage is burned during each rotation; i.e., one third (2000 acres) is burned each year. The acreage has been described as loblolly pine forest, and prescribed burning of undergrowth is used as a forestry management practice. Since SCDHEC indicated that emissions from controlled burning as a standard forestry management practice are normally not included in emission inventories (re: Memorandum, K. W. Massengill of Davis & Floyd, Inc. telephone conversation with J. Chalmers of SCDHEC - 18 August 1993, in Appendix A), emissions from controlled burning at NWS Charleston (Source ID M74) have not been calculated.

The material handling/storage areas at NWS Charleston do not result in an amount of emissions worthy of calculating as all drums/canisters should be sealed. Additionally, VOC's from these operations should be accounted for in the mass balance performed for the application/use of the product. The acronym SNE in the comment column on Table B-6 indicates that the containers are sealed and no emissions should result.

Charging of batteries is not an activity that has an appropriate emission factor, and any emissions resulting from this activity at NWS Charleston are expected to be negligible. The cooling towers handle only air conditioning water and result in no VOC emissions.

3.7 POLLUTANT SUMMARY

Tables D-7A and D-7B gather all of the hazardous emissions data together in tables for actual and potential emissions. Actual toxic emissions are equal to potential toxic emissions for emissions from gas stations and solvent use processes at NWS Charleston.

Most of the emissions indicated on Table D-7A have been calculated in the same way as the surface coating sources (see Section 3.3). The fifth and sixth columns on Table D-7A indicate the percentage of the pollutant identified in the first column of the table. This value is a percentage of the HAP (VOC) or HAP(PM) that is present in the product identified in the row that corresponds to the "SPECIFIC HAP %" columns

Emissions are then calculated using the following equations:

$$E_{spec} = E'_{toluene} / H * 2000 \quad (3.7\text{-}1)$$

$$E'_{spec} = U * V_c * (V_{hap} / 100) * (SPEC / 100) / 2000 \quad (3.7\text{-}2)$$

$$PE'_{spec} = E_{toluene} * Hp / 2000 \quad (3.7\text{-}3)$$

where:

- E_{spec} = actual toluene emission rate (lb/hr);
- E'_{spec} = actual toluene emission rate (tpy);
- PE'_{spec} = potential toluene emission rate (tpy);
- H = annual operating hours (hr/yr);
- Hp = potential operating hours (hr/yr);
- V_c = VOC content (lb/gal);
- 2000 = conversion factor, pounds to ton;
- V_{hap} = percentage of VOC that is hazardous (%);

U = usage rate (gal/yr);

SPEC = percentage of V_{hap} representing HAP.

Example Calculation:

Given: Paint spray booth in Building 65 (Source ID-S2)

Gavlon 510 usage, U = 5 gpy

Annual operating hours, H = 2080 hr/yr (re: Table C-2)

V_c = 3.96

V_{hap} = 23.6 (re: Table D-7A)

SPEC = 96 (re: Table D-7A)

Using equations 3.7-2 and 3.7-1:

E'_{spec} = (200 gal / yr) * (3.96 lb / gal) * (23.6 / 100) * (96 /100) / (2000 lb / ton)

= 0.090 tpy

E_{spec} = (0.890 tpy) / (2000 lb / ton) * (2080 hr / yr)

= 0.093 lb/hr

Using equation 3.7-3 to calculate potential emissions:

PE_{spec} = (0.093 lb / hr) * (2080 hr / yr) / (2000 lb / ton)

= 0.090 tpy

Emissions identified in Table D-7A with "N/A" in the "Parent Material Information" were calculated based upon emission factors.

BRAC 95 DC 33 & 5d. Attachment (3)

Table D-1. Emissions from Fuel Burning Equipment at N W S Charleston

Source ID	Bldg No.	Source Type	Fuel Type	ACTUAL EMISSIONS												POTENTIAL EMISSIONS					
				NOx		SO2		CO		PM		VOC		Formald		NOx	SO2	CO	PM	VOC	Formal
				(lb/hr)	(tpy)	(lb/hr)	(tpy)	(lb/hr)	(tpy)	(lb/hr)	(tpy)	(lb/hr)	(tpy)	(lb/hr)	(tpy)	(tpy)	(tpy)	(tpy)	(tpy)	(tpy)	(tpy)
F1	7	BOILER	Nat Gas	0.199	0.188	0.001	0.001	0.040	0.034	0.006	0.005	0.016	0.013	0.000	0.000	0.201	0.001	0.040	0.006	0.016	0.000
F2	32	BOILER	F.O. #2	0.050	0.005	0.178	0.019	0.013	0.001	0.005	0.001	0.001	0.000	0.000	0.000	0.050	0.179	0.013	0.005	0.001	0.000
F3	42	BOILER	F.O. #2	0.055	0.005	0.195	0.018	0.014	0.001	0.006	0.001	0.002	0.000	0.000	0.000	0.055	0.197	0.014	0.006	0.002	0.000
F4	58	BOILER	F.O. #2	0.240	0.015	0.852	0.053	0.060	0.004	0.024	0.002	0.007	0.000	0.000	0.000	0.524	1.861	0.131	0.052	0.015	0.000
F5	74	BOILER	F.O. #2	0.194	0.055	0.689	0.196	0.049	0.014	0.019	0.006	0.005	0.002	0.000	0.000	0.424	1.504	0.106	0.042	0.012	0.000
F6	79	BOILER	F.O. #2	0.286	0.017	1.015	0.060	0.072	0.004	0.029	0.002	0.008	0.000	0.000	0.000	0.625	2.217	0.156	0.062	0.017	0.000
F7	79	BOILER	F.O. #2	0.050	0.007	0.178	0.026	0.013	0.002	0.005	0.001	0.001	0.000	0.000	0.000	0.109	0.388	0.027	0.011	0.003	0.000
F8	84	BOILER	F.O. #2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
F9	89	BOILER	F.O. #2	0.240	0.031	0.852	0.111	0.060	0.008	0.024	0.003	0.007	0.001	0.000	0.000	0.524	1.861	0.131	0.052	0.015	0.000
F10	90	BOILER	F.O. #2	0.120	0.017	0.426	0.060	0.030	0.004	0.012	0.002	0.003	0.000	0.000	0.000	0.121	0.429	0.030	0.012	0.003	0.000
F11	93	BOILER	F.O. #2	0.180	0.077	0.639	0.273	0.045	0.019	0.018	0.008	0.005	0.002	0.000	0.000	0.393	1.398	0.098	0.039	0.011	0.000
F12	94	BOILER	F.O. #2	0.120	0.055	0.426	0.196	0.030	0.014	0.012	0.006	0.003	0.002	0.000	0.000	0.262	0.930	0.066	0.026	0.007	0.000
F13	95	BOILER	F.O. #2	0.320	0.115	1.136	0.409	0.080	0.029	0.032	0.012	0.009	0.003	0.000	0.000	0.699	2.481	0.175	0.070	0.019	0.000
F14	206	BOILER	Nat Gas	0.058	0.048	0.000	0.000	0.012	0.010	0.002	0.001	0.005	0.004	0.000	0.000	0.058	0.000	0.012	0.002	0.005	0.000
F15	274	BOILER	F.O. #2	0.284	0.012	1.008	0.044	0.071	0.003	0.028	0.001	0.008	0.000	0.000	0.000	0.620	2.202	0.155	0.062	0.017	0.000
F16	302	BOILER	F.O. #2	0.270	0.012	0.958	0.044	0.068	0.003	0.027	0.001	0.008	0.000	0.000	0.000	0.272	0.966	0.068	0.027	0.008	0.000
F17	302	BOILER	F.O. #2	0.200	0.067	0.710	0.237	0.050	0.017	0.020	0.007	0.006	0.002	0.000	0.000	0.202	0.716	0.050	0.020	0.006	0.000
F18	304	BOILER	F.O. #2	0.312	0.023	1.108	0.082	0.078	0.006	0.031	0.002	0.009	0.001	0.000	0.000	0.314	1.116	0.079	0.031	0.009	0.000
F19	304	BOILER	F.O. #2	0.072	0.005	0.256	0.017	0.018	0.001	0.007	0.000	0.002	0.000	0.000	0.000	0.073	0.258	0.018	0.007	0.002	0.000
F20	306	BOILER	F.O. #2	0.440	0.048	1.562	0.170	0.110	0.012	0.044	0.005	0.012	0.001	0.000	0.000	0.444	1.574	0.111	0.044	0.012	0.000
F21	308	BOILER	F.O. #2	0.240	0.048	0.852	0.170	0.060	0.012	0.024	0.005	0.007	0.001	0.000	0.000	0.242	0.859	0.060	0.024	0.007	0.000
F22	308	BOILER	F.O. #2	0.043	0.008	0.154	0.029	0.011	0.002	0.004	0.001	0.001	0.000	0.000	0.000	0.044	0.155	0.011	0.004	0.001	0.000
F23	316	BOILER	Nat Gas	0.498	0.479	0.003	0.003	0.100	0.098	0.015	0.014	0.040	0.038	0.001	0.001	1.088	0.007	0.218	0.033	0.087	0.002
F24	316	BOILER	Nat Gas	0.498	0.479	0.003	0.003	0.100	0.098	0.015	0.014	0.040	0.038	0.001	0.001	1.088	0.007	0.218	0.033	0.087	0.002
F25	316	BOILER	F.O. #2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
F26	316	BOILER	Nat Gas	0.726	1.057	0.004	0.006	0.145	0.211	0.022	0.032	0.058	0.085	0.002	0.002	1.586	0.010	0.317	0.048	0.127	0.004
F27	316	BOILER	F.O. #2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Table D-1. Emissions from Fuel Burning Equipment at N W S Charleston

Source ID	Bldg No.	Source Type	Fuel Type	ACTUAL EMISSIONS												POTENTIAL EMISSIONS					
				NOx		SO2		CO		PM		VOC		Formald		NOx	SO2	CO	PM	VOC	Formal
				(lb/hr)	(tpy)	(lb/hr)	(tpy)	(lb/hr)	(tpy)	(lb/hr)	(tpy)	(lb/hr)	(tpy)	(lb/hr)	(tpy)	(tpy)	(tpy)	(tpy)	(tpy)	(tpy)	(tpy)
F28	324	BOILER	F.O. #2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
F29	335	BOILER	F.O. #2	0.440	0.148	1.562	0.524	0.110	0.037	0.044	0.015	0.012	0.004	0.000	0.000	0.981	3.411	0.240	0.098	0.027	0.000
F30	339	BOILER	F.O. #2	0.090	0.001	0.320	0.003	0.023	0.000	0.009	0.000	0.003	0.000	0.000	0.000	0.091	0.322	0.023	0.009	0.003	0.000
F31	344	BOILER	F.O. #2	0.180	0.005	0.639	0.017	0.045	0.001	0.018	0.000	0.005	0.000	0.000	0.000	0.393	1.396	0.098	0.039	0.011	0.000
F32	355	BOILER	F.O. #2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
F33	358	BOILER	F.O. #2	0.190	0.040	0.675	0.141	0.048	0.010	0.019	0.004	0.005	0.001	0.000	0.000	0.192	0.680	0.048	0.019	0.005	0.000
F34	386	BOILER	F.O. #2	0.090	0.017	0.320	0.059	0.023	0.004	0.009	-0.002	0.003	0.000	0.000	0.000	0.091	0.322	0.023	0.009	0.003	0.000
F35	383	BOILER	F.O. #2	0.418	0.092	1.484	0.325	0.105	0.023	0.042	0.009	0.012	0.003	0.000	0.000	0.421	1.496	0.105	0.042	0.012	0.000
F36	419	BOILER	F.O. #2	0.438	0.043	1.555	0.154	0.110	0.011	0.044	0.004	0.012	0.001	0.000	0.000	0.957	3.396	0.239	0.096	0.027	0.000
F37	419	BOILER	F.O. #2	0.438	0.043	1.554	0.154	0.109	0.011	0.044	0.004	0.012	0.001	0.000	0.000	0.956	3.394	0.239	0.096	0.027	0.000
F38	450	BOILER	F.O. #2	0.100	0.087	0.355	0.307	0.025	0.022	0.010	0.009	0.003	0.002	0.000	0.000	0.218	0.775	0.055	0.022	0.006	0.000
F39	455	BOILER	Nat Gas	0.221	0.322	0.001	0.002	0.044	0.064	0.007	0.010	0.018	0.026	0.000	0.001	0.482	0.003	0.096	0.014	0.039	0.001
F40	458	BOILER	F.O. #2	0.360	0.182	1.278	0.647	0.090	0.046	0.038	0.018	0.010	0.005	0.000	0.000	0.786	2.791	0.197	0.079	0.022	0.000
F41	458	BOILER	F.O. #2	0.360	0.182	1.278	0.647	0.090	0.046	0.038	0.018	0.010	0.005	0.000	0.000	0.786	2.791	0.197	0.079	0.022	0.000
F42	459	BOILER	F.O. #2	0.360	0.182	1.278	0.647	0.090	0.046	0.038	0.018	0.010	0.005	0.000	0.000	0.786	2.791	0.197	0.079	0.022	0.000
F43	459	BOILER	F.O. #2	0.360	0.182	1.278	0.647	0.090	0.046	0.038	0.018	0.010	0.005	0.000	0.000	0.786	2.791	0.197	0.079	0.022	0.000
F44	481	BOILER	F.O. #2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
F45	708	BOILER	F.O. #2	0.194	0.017	0.689	0.060	0.049	0.004	0.019	0.002	0.005	0.000	0.000	0.000	0.424	1.504	0.106	0.042	0.012	0.000
F46	708	BOILER	F.O. #2	0.104	0.005	0.369	0.017	0.026	0.001	0.010	0.000	0.003	0.000	0.000	0.000	0.105	0.372	0.026	0.010	0.003	0.000
F47	718	BOILER	F.O. #2	0.194	0.008	0.689	0.030	0.049	0.002	0.019	0.001	0.005	0.000	0.000	0.000	0.196	0.694	0.049	0.020	0.005	0.000
F48	725	BOILER	F.O. #2	0.240	0.085	0.852	0.302	0.060	0.021	0.024	0.009	0.007	0.002	0.000	0.000	0.242	0.859	0.060	0.024	0.007	0.090
F49	731	BOILER	Nat Gas	0.144	0.121	0.001	0.001	0.029	0.024	0.004	0.004	0.012	0.010	0.000	0.000	0.148	0.001	0.029	0.004	0.012	0.000
F50	732	BOILER	F.O. #2	0.045	0.002	0.160	0.008	0.011	0.001	0.005	0.000	0.001	0.000	0.000	0.000	0.045	0.161	0.011	0.005	0.001	0.000
F51	755	BOILER	F.O. #2	0.190	0.003	0.675	0.010	0.048	0.001	0.019	0.000	0.005	0.000	0.000	0.000	0.192	0.680	0.048	0.019	0.005	0.000
F52	784	BOILER	F.O. #2	0.192	0.004	0.682	0.015	0.048	0.001	0.019	0.000	0.005	0.000	0.000	0.000	0.194	0.687	0.048	0.019	0.005	0.000
F53	850	BOILER	F.O. #2	0.046	0.008	0.165	0.027	0.012	0.002	0.005	0.001	0.001	0.000	0.000	0.000	0.047	0.166	0.012	0.005	0.001	0.000
F54	850	BOILER	F.O. #2	0.190	0.015	0.675	0.053	0.048	0.004	0.019	0.002	0.005	0.000	0.000	0.000	0.415	1.473	0.104	0.041	0.012	0.000
F55	863	BOILER	F.O. #2	0.180	0.038	0.639	0.135	0.045	0.009	0.018	0.004	0.005	0.001	0.000	0.000	0.393	1.396	0.098	0.039	0.011	0.000
F56	864	BOILER	F.O. #2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
F57	869	BOILER	F.O. #2	0.320	0.012	1.136	0.044	0.080	0.003	0.032	0.001	0.009	0.000	0.000	0.000	0.323	1.145	0.081	0.032	0.009	0.000

Table D-1. Emissions from Fuel Burning Equipment at N W S Charleston

Source	Bldg No.	Source Type	Fuel Type	ACTUAL EMISSIONS												POTENTIAL EMISSIONS					
				NOx		SO2		CO		PM		VOC		Formald		NOx	SO2	CO	PM	VOC	Formal
				(lb/hr)	(tpy)	(lb/hr)	(tpy)	(lb/hr)	(tpy)	(lb/hr)	(tpy)	(lb/hr)	(tpy)	(lb/hr)	(tpy)	(tpy)	(tpy)	(tpy)	(tpy)	(tpy)	(tpy)
F58	900	BOILER	F.O. #2	0.094	0.012	0.334	0.043	0.024	0.003	0.009	0.001	0.003	0.000	0.000	0.000	0.095	0.336	0.024	0.009	0.003	0.000
F59	903	BOILER	F.O. #2	0.160	0.007	0.568	0.026	0.040	0.002	0.016	0.001	0.004	0.000	0.001	0.000	0.161	0.573	0.040	0.016	0.004	0.001
F60	909	BOILER	F.O. #2	0.026	0.038	0.092	0.134	0.007	0.009	0.003	0.004	0.001	0.001	0.000	0.000	0.057	0.202	0.014	0.006	0.002	0.000
F61	909	BOILER	F.O. #2	0.188	0.015	0.667	0.052	0.047	0.004	0.019	0.001	0.005	0.000	0.001	0.000	0.190	0.673	0.047	0.019	0.005	0.001
F62	909	BOILER	F.O. #2	0.026	0.038	0.092	0.134	0.007	0.009	0.003	0.004	0.001	0.001	0.000	0.000	0.057	0.202	0.014	0.006	0.002	0.000
F63	930	BOILER	F.O. #2	0.150	0.007	0.533	0.026	0.038	0.002	0.015	0.001	0.004	0.000	0.000	0.000	0.328	1.163	0.082	0.033	0.009	0.001
F64	940	BOILER	F.O. #2	0.122	0.005	0.433	0.019	0.031	0.001	0.012	0.001	0.003	0.000	0.000	0.000	0.123	0.437	0.031	0.012	0.003	0.000
F65	941	BOILER	F.O. #2	1.800	0.031	6.390	0.111	0.460	0.008	0.180	0.003	0.050	0.001	0.001	0.000	3.931	13.956	0.983	0.393	0.109	0.001
F66	942	BOILER	F.O. #2	0.260	0.005	0.923	0.019	0.065	0.001	0.026	0.001	0.007	0.000	0.000	0.000	0.262	0.930	0.066	0.026	0.007	0.000
F67	948	BOILER	Nat Gas	1.643	2.392	0.010	0.014	0.329	0.478	0.049	0.072	0.131	0.191	0.004	0.005	3.588	0.022	0.718	0.108	0.287	0.008
F68	948	BOILER	Nat Gas	1.643	2.392	0.010	0.014	0.329	0.478	0.049	0.072	0.131	0.191	0.004	0.005	3.588	0.022	0.718	0.108	0.287	0.008
F69	991	BOILER	Nat Gas	1.232	1.794	0.007	0.011	0.246	0.359	0.037	0.054	0.099	0.144	0.003	0.004	2.691	0.016	0.538	0.081	0.215	0.006
F70	991	BOILER	Nat Gas	1.195	1.741	0.007	0.010	0.239	0.348	0.036	0.052	0.096	0.139	0.003	0.004	2.611	0.016	0.522	0.078	0.209	0.006
F71	2225	BOILER	Nat Gas	0.048	0.070	0.000	0.000	0.010	0.014	0.001	0.002	0.004	0.006	0.000	0.000	0.105	0.001	0.021	0.003	0.008	0.000
F72	3107	BOILER	Nat Gas	0.998	1.451	0.006	0.009	0.199	0.290	0.030	0.044	0.080	0.116	0.002	0.003	2.178	0.013	0.435	0.065	0.174	0.005
F73	3107	BOILER	Nat Gas	0.998	0.837	0.006	0.005	0.199	0.167	0.030	0.025	0.080	0.067	0.002	0.002	1.004	0.006	0.201	0.030	0.080	0.002
F74	3238	BOILER	F.O. #2	0.072	0.008	0.258	0.027	0.018	0.002	0.007	0.001	0.002	0.000	0.000	0.000	0.073	0.258	0.018	0.007	0.002	0.000
F75	3817	BOILER	F.O. #2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
F76	Portable	BOILER	F.O. #2	1.450	0.025	5.146	0.089	0.362	0.006	0.145	0.003	0.040	0.001	0.005	0.000	3.166	11.239	0.791	0.317	0.088	0.011
F77	Portable	BOILER	F.O. #2	1.088	0.025	3.862	0.089	0.272	0.006	0.109	0.003	0.030	0.001	0.004	0.000	2.376	8.435	0.594	0.238	0.066	0.008
Stationary Emissions:					0.050		0.178		0.013		0.005		0.001		0.000	5.542	19.675	1.386	0.554	0.154	0.020
Portable Emissions:					15.539		7.853		3.217		0.619		1.129		0.036	41.682	75.634	9.400	2.739	2.224	0.094
TOTAL Emissions:					15.589		8.031		3.230		0.624		1.130		0.036	47.224	95.309	10.785	3.294	2.378	0.113

NOTES:

F.O. #2 = Fuel Oil Number 2

Nat Gas = Natural Gas

PM = particulate matter
VOC = volatile organic compound
NOx = oxides of nitrogen
SO2 = sulfur dioxide
CO = carbon monoxide
Formald = Formaldehyde

Source: N W S Charleston, 1993

Table D-2. Emissions from Stationary Internal Combustion Sources at N W S Charleston

Source ID	Bldg No.	Source Type	ACTUAL EMISSIONS												POTENTIAL EMISSIONS					
			NOx (lb/hr)	(tpy)	SO2 (lb/hr)	(tpy)	CO (lb/hr)	(tpy)	PM (lb/hr)	(tpy)	VOC (lb/hr)	(tpy)	Aldehydes (lb/hr)	(tpy)	NOx (tpy)	SO2 (tpy)	CO (tpy)	PM (tpy)	VOC (tpy)	Aldehyde (tpy)
E1	13	Generator	5.176	0.067	0.344	0.004	1.118	0.015	0.369	0.005	0.413	0.005	0.077	0.001	0.647	0.043	0.140	0.046	0.052	0.010
E2	31	Generator	5.176	0.067	0.344	0.004	1.118	0.015	0.369	0.005	0.413	0.005	0.077	0.001	0.647	0.043	0.140	0.046	0.052	0.010
E3	41 (Tlr Pk-787 L Sta)	Generator *	0.621	0.008	0.041	0.001	0.134	0.002	0.044	0.001	0.050	0.001	0.009	0.000	0.078	0.005	0.017	0.006	0.006	0.001
E4	48	Generator	3.313	0.043	0.220	0.003	0.715	0.009	0.236	0.003	0.264	0.003	0.049	0.001	0.414	0.028	0.089	0.030	0.033	0.006
E5	55	Generator	0.725	0.009	0.048	0.001	0.156	0.002	0.052	0.001	0.058	0.001	0.011	0.000	0.091	0.006	0.020	0.006	0.007	0.001
E6	66	Generator	3.520	0.046	0.234	0.003	0.760	0.010	0.251	0.003	0.281	0.004	0.052	0.001	0.440	0.029	0.095	0.031	0.035	0.007
E7	68	Generator	0.725	0.009	0.048	0.001	0.156	0.002	0.052	0.001	0.058	0.001	0.011	0.000	0.091	0.006	0.020	0.006	0.007	0.001
E8	80	Generator	0.828	0.011	0.055	0.001	0.179	0.002	0.059	0.001	0.066	0.001	0.012	0.000	0.104	0.007	0.022	0.007	0.008	0.002
E9	89	Generator	2.485	0.032	0.165	0.002	0.537	0.007	0.177	0.002	0.198	0.003	0.037	0.000	0.311	0.021	0.067	0.022	0.025	0.005
E10	90 (Fire Station)	Generator	1.242	0.016	0.083	0.001	0.268	0.003	0.089	0.001	0.099	0.001	0.019	0.000	0.155	0.010	0.034	0.011	0.012	0.002
E11	92	Generator	3.106	0.040	0.206	0.003	0.671	0.009	0.221	0.003	0.248	0.003	0.046	0.001	0.388	0.026	0.084	0.028	0.031	0.006
E12	169	Generator	1.656	0.022	0.110	0.001	0.358	0.005	0.118	0.002	0.132	0.002	0.025	0.000	0.207	0.014	0.045	0.015	0.017	0.003
E13	176	Generator	3.313	0.043	0.220	0.003	0.715	0.009	0.236	0.003	0.264	0.003	0.049	0.001	0.414	0.028	0.089	0.030	0.033	0.006
E14	178	Generator	0.828	0.011	0.055	0.001	0.179	0.002	0.059	0.001	0.066	0.001	0.012	0.000	0.104	0.007	0.022	0.007	0.008	0.002
E15	302	Generator	0.911	0.012	0.061	0.001	0.197	0.003	0.065	0.001	0.073	0.001	0.014	0.000	0.114	0.008	0.025	0.008	0.009	0.002
E16	304	Generator	1.242	0.016	0.083	0.001	0.268	0.003	0.089	0.001	0.099	0.001	0.019	0.000	0.155	0.010	0.034	0.011	0.012	0.002
E17	310	Generator	2.070	0.027	0.138	0.002	0.447	0.006	0.148	0.002	0.165	0.002	0.031	0.000	0.259	0.017	0.056	0.018	0.021	0.004
E18	314	Generator	23.128	2.290	2.193	0.217	5.286	0.523	0.537	0.053	0.710	0.070	NA	0.000	2.891	0.274	0.661	0.067	0.089	NA
E19	314	Generator	23.128	2.290	2.193	0.217	5.286	0.523	0.537	0.053	0.710	0.070	NA	0.000	2.891	0.274	0.661	0.067	0.089	NA
E20	314	Generator	23.128	2.290	2.193	0.217	5.286	0.523	0.537	0.053	0.710	0.070	NA	0.000	2.891	0.274	0.661	0.067	0.089	NA
E21	314	Generator	23.128	2.290	2.193	0.217	5.286	0.523	0.537	0.053	0.710	0.070	NA	0.000	2.891	0.274	0.661	0.067	0.089	NA
E22	314	Generator	23.128	2.290	2.193	0.217	5.286	0.523	0.537	0.053	0.710	0.070	NA	0.000	2.891	0.274	0.661	0.067	0.089	NA
E23	314	Generator	23.128	2.290	2.193	0.217	5.286	0.523	0.537	0.053	0.710	0.070	NA	0.000	2.891	0.274	0.661	0.067	0.089	NA
E24	314	Generator	23.128	2.290	2.193	0.217	5.286	0.523	0.537	0.053	0.710	0.070	NA	0.000	2.891	0.274	0.661	0.067	0.089	NA
E25	314	Generator	32.379	3.206	2.193	0.217	7.401	0.733	0.752	0.074	0.994	0.098	NA	0.000	4.047	0.274	0.925	0.094	0.124	NA
E26	318	Generator	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E27	318	Generator	4.141	0.054	0.275	0.004	0.894	0.012	0.295	0.004	0.330	0.004	0.062	0.001	0.518	0.034	0.112	0.037	0.041	0.008
E28	321	Generator	2.070	0.027	0.138	0.002	0.447	0.006	0.148	0.002	0.165	0.002	0.031	0.000	0.259	0.017	0.056	0.018	0.021	0.004
E29	386	Generators *	2.485	0.032	0.165	0.002	0.537	0.007	0.177	0.002	0.198	0.003	0.037	0.000	0.311	0.021	0.067	0.022	0.025	0.005
E30	386	Generators *	2.485	0.032	0.165	0.002	0.537	0.007	0.177	0.002	0.198	0.003	0.037	0.000	0.311	0.021	0.067	0.022	0.025	0.005

Table D-2. Emissions from Stationary Internal Combustion Sources at Charleston Naval Weapons Station

Source ID	Bldg No.	Source Type	ACTUAL EMISSIONS												POTENTIAL EMISSIONS					
			NOx		SO2		CO		PM		VOC		Aldehydes		NOx	SO2	CO	PM	VOC	Aldehyde
			(lb/hr)	(tpy)	(lb/hr)	(tpy)	(lb/hr)	(tpy)	(lb/hr)	(tpy)	(lb/hr)	(tpy)	(lb/hr)	(tpy)	(tpy)	(tpy)	(tpy)	(tpy)	(tpy)	(tpy)
E31	366	Generators *	1.242	0.016	0.083	0.001	0.266	0.003	0.089	0.001	0.099	0.001	0.019	0.000	0.155	0.010	0.034	0.011	0.012	0.002
E32	366	Generators *	2.485	0.032	0.165	0.002	0.537	0.007	0.177	0.002	0.198	0.003	0.037	0.000	0.311	0.021	0.067	0.022	0.025	0.005
E33	366	Generators *	1.242	0.016	0.083	0.001	0.268	0.003	0.089	0.001	0.099	0.001	0.019	0.000	0.155	0.010	0.034	0.011	0.012	0.002
E34	366	Generators *	1.242	0.016	0.083	0.001	0.268	0.003	0.089	0.001	0.099	0.001	0.019	0.000	0.155	0.010	0.034	0.011	0.012	0.002
E35	406	Generator	0.828	0.011	0.055	0.001	0.179	0.002	0.059	0.001	0.066	0.001	0.012	0.000	0.104	0.007	0.022	0.007	0.008	0.002
E36	456	Generator	1.294	0.017	0.086	0.001	0.279	0.004	0.092	0.001	0.103	0.001	0.019	0.000	0.162	0.011	0.035	0.012	0.013	0.002
E37	459	Generator	1.553	0.020	0.103	0.001	0.335	0.004	0.111	0.001	0.124	0.002	0.023	0.000	0.194	0.013	0.042	0.014	0.015	0.003
E38	461	Generator	1.242	0.016	0.083	0.001	0.268	0.003	0.089	0.001	0.099	0.001	0.019	0.000	0.155	0.010	0.034	0.011	0.012	0.002
E39	709	Generator	2.485	0.032	0.165	0.002	0.537	0.007	0.177	0.002	0.198	0.003	0.037	0.000	0.311	0.021	0.067	0.022	0.025	0.005
E40	730	Generator	2.485	0.032	0.165	0.002	0.537	0.007	0.177	0.002	0.198	0.003	0.037	0.000	0.311	0.021	0.067	0.022	0.025	0.005
E41	798	Generator	32.379	4.339	3.085	0.411	7.401	0.992	0.752	0.101	0.994	0.133	NA	0.000	16.189	1.533	3.700	0.376	0.497	NA
E42	856	Generator	32.379	0.421	3.085	0.040	7.401	0.096	0.752	0.010	0.994	0.013	NA	0.000	4.047	0.383	0.925	0.094	0.124	NA
E43	864	Generator	23.128	4.336	2.190	0.411	5.286	0.991	0.537	0.101	0.710	0.133	NA	0.000	11.564	1.095	2.643	0.268	0.355	NA
E44	869	Generator	7.247	0.094	0.462	0.006	1.565	0.020	0.517	0.007	0.578	0.008	0.108	0.001	0.906	0.060	0.196	0.065	0.072	0.013
E45	930	Generator	3.108	0.040	0.208	0.003	0.671	0.009	0.221	0.003	0.248	0.003	0.046	0.001	0.388	0.026	0.084	0.028	0.031	0.006
E46	966	Generator	5.178	0.067	0.344	0.004	1.118	0.015	0.369	0.005	0.413	0.005	0.077	0.001	0.647	0.043	0.140	0.046	0.052	0.010
E47	1336	Generator	0.414	0.005	0.028	0.000	0.089	0.001	0.030	0.000	0.033	0.000	0.006	0.000	0.052	0.003	0.011	0.004	0.004	0.001
E48	1366	Generator	2.070	0.027	0.138	0.002	0.447	0.006	0.148	0.002	0.165	0.002	0.031	0.000	0.259	0.017	0.056	0.018	0.021	0.004
E49	2222	Generator	2.070	0.027	0.138	0.002	0.447	0.006	0.148	0.002	0.165	0.002	0.031	0.000	0.259	0.017	0.056	0.018	0.021	0.004
E50	2314 (NPTU)	Generator	2.070	0.027	0.138	0.002	0.447	0.006	0.148	0.002	0.165	0.002	0.031	0.000	0.259	0.017	0.056	0.018	0.021	0.004
E51	3107	Generator	14.493	0.377	0.964	0.025	3.130	0.081	1.033	0.027	1.156	0.030	0.216	0.006	1.812	0.120	0.391	0.129	0.145	0.027
E52	3408	Generator	4.555	0.059	0.303	0.004	0.984	0.013	0.325	0.004	0.363	0.005	0.066	0.001	0.569	0.038	0.123	0.041	0.045	0.008
E53	3408	Generator	1.656	0.022	0.110	0.001	0.358	0.005	0.118	0.002	0.132	0.002	0.026	0.000	0.207	0.014	0.045	0.015	0.017	0.003
E54	3410/3411	Generator	1.035	0.013	0.069	0.001	0.224	0.003	0.074	0.001	0.083	0.001	0.015	0.000	0.129	0.009	0.028	0.009	0.010	0.002
E55	3412	Generator	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E56	3414	Generator	1.656	0.022	0.110	0.001	0.358	0.005	0.118	0.002	0.132	0.002	0.026	0.000	0.207	0.014	0.045	0.015	0.017	0.003
E57	3637	Generator	6.211	0.081	0.413	0.005	1.341	0.017	0.443	0.006	0.496	0.006	0.093	0.001	0.776	0.052	0.168	0.055	0.062	0.012
E58	3637	Generator	0.248	0.003	0.017	0.000	0.054	0.001	0.018	0.000	0.020	0.000	0.004	0.000	0.031	0.002	0.007	0.002	0.002	0.000
E59	Commissary @ 726	Generator	0.663	0.009	0.046	0.001	0.148	0.002	0.049	0.001	0.055	0.001	0.010	0.000	0.085	0.006	0.018	0.006	0.007	0.001
E60	Dispensary @ Med Fac	Generator	2.485	0.032	0.165	0.002	0.537	0.007	0.177	0.002	0.198	0.003	0.037	0.000	0.311	0.021	0.067	0.022	0.025	0.005

Table D-2. Emissions from Stationary Internal Combustion Sources at Charleston Naval Weapons Station

Source ID	Bldg No.	Source Type	ACTUAL EMISSIONS												POTENTIAL EMISSIONS					
			NOx (lb/hr)	(tpy)	SO2 (lb/hr)	(tpy)	CO (lb/hr)	(tpy)	PM (lb/hr)	(tpy)	VOC (lb/hr)	(tpy)	Aldehydes (lb/hr)	(tpy)	NOx (tpy)	SO2 (tpy)	CO (tpy)	PM (tpy)	VOC (tpy)	Aldehyde (tpy)
E61	IX-516 (Barge)	Generator	2.070	0.027	0.138	0.002	0.447	0.006	0.148	0.002	0.165	0.002	0.031	0.000	0.259	0.017	0.056	0.018	0.021	0.004
E62	Lights	Generator	1.242	0.000	0.083	0.000	0.268	0.000	0.089	0.000	0.099	0.000	0.019	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E63	Lim. - Lights @ Bunkers	Generator *	1.242	0.000	0.083	0.000	0.268	0.000	0.089	0.000	0.099	0.000	0.019	0.000	0.155	0.010	0.034	0.011	0.012	0.002
E64	Lim. - Lights @ Bunkers	Generator *	1.242	0.000	0.083	0.000	0.268	0.000	0.089	0.000	0.099	0.000	0.019	0.000	0.155	0.010	0.034	0.011	0.012	0.002
E65	Lim. - Lights @ Bunkers	Generator *	1.242	0.000	0.083	0.000	0.268	0.000	0.089	0.000	0.099	0.000	0.019	0.000	0.155	0.010	0.034	0.011	0.012	0.002
E66	Limited Area Gate	Generator	1.242	0.018	0.083	0.001	0.268	0.003	0.089	0.001	0.099	0.001	0.019	0.000	0.155	0.010	0.034	0.011	0.012	0.002
E67	Limited Area Gate	Generator	1.242	0.018	0.083	0.001	0.268	0.003	0.089	0.001	0.099	0.001	0.019	0.000	0.155	0.010	0.034	0.011	0.012	0.002
E68	MTS-626	Generator	22.357	8.138	2.118	0.771	5.110	1.860	0.519	0.189	0.687	0.250	NA	0.000	0.155	0.010	0.034	0.011	0.012	0.002
E69	MTS-626	Generator	22.357	8.138	2.118	0.771	5.110	1.860	0.519	0.189	0.687	0.250	NA	0.000	11.178	1.059	2.555	0.259	0.343	NA
E70	MTS-635	Generator	22.357	2.849	2.118	0.251	5.110	0.606	0.519	0.062	0.687	0.081	NA	0.000	11.178	1.059	2.555	0.259	0.343	NA
E71	MTS-635	Generator	22.357	2.849	2.118	0.251	5.110	0.606	0.519	0.062	0.687	0.081	NA	0.000	11.178	1.059	2.555	0.259	0.343	NA
E72	Red Bank Lift Sta. #68	Generator	0.725	0.009	0.048	0.001	0.156	0.002	0.052	0.001	0.058	0.001	0.011	0.000	0.091	0.006	0.020	0.006	0.007	0.001
E73	Marine Barracks	Generator	1.242	0.018	0.083	0.001	0.268	0.003	0.089	0.001	0.099	0.001	0.019	0.000	0.155	0.010	0.034	0.011	0.012	0.002
E74	Pier Alpha Crane	Generator	17.599	0.229	1.170	0.015	3.801	0.049	1.254	0.016	1.404	0.018	0.262	0.003	2.200	0.146	0.475	0.157	0.178	0.033
E75	Pier Alpha Crane (Old)	Generator	0.248	0.003	0.017	0.000	0.054	0.001	0.018	0.000	0.020	0.000	0.004	0.000	0.031	0.002	0.007	0.002	0.002	0.000
E76	Pier Alpha Crane (Old)	Generator	0.828	0.011	0.055	0.001	0.179	0.002	0.059	0.001	0.066	0.001	0.012	0.000	0.104	0.007	0.022	0.007	0.008	0.002
E77	Pier Alpha Crane	Generator	8.282	0.108	0.551	0.007	1.789	0.023	0.590	0.008	0.661	0.009	0.123	0.002	1.035	0.069	0.224	0.074	0.083	0.015
E78	Pier Alpha Diesel Generato	Generator	18.220	0.237	1.211	0.016	3.935	0.051	1.299	0.017	1.454	0.019	0.271	0.004	2.278	0.151	0.492	0.162	0.182	0.034
E79	Pier Alpha Fire Pump	Fire Pump	16.978	0.221	1.129	0.015	3.667	0.048	1.210	0.016	1.355	0.018	0.253	0.003	2.122	0.141	0.458	0.151	0.169	0.032
E80	Pier Bravo Crane	Generator	1.553	0.020	0.103	0.001	0.335	0.004	0.111	0.001	0.124	0.002	0.023	0.000	0.194	0.013	0.042	0.014	0.015	0.003
E81	Pier Bravo Crane	Generator	5.176	0.067	0.344	0.004	1.118	0.015	0.369	0.005	0.413	0.005	0.077	0.001	0.647	0.043	0.140	0.046	0.052	0.010
E82	Pier Bravo Fire Pump	Fire Pump	1.656	0.022	0.110	0.001	0.358	0.005	0.118	0.002	0.132	0.002	0.025	0.000	0.207	0.014	0.045	0.015	0.017	0.003
E83	Pier X-Ray	Generator	1.863	0.024	0.124	0.002	0.402	0.005	0.133	0.002	0.149	0.002	0.028	0.000	0.233	0.015	0.050	0.017	0.019	0.003
E84	Pier X-Ray Fire Pump	Fire Pump	3.727	0.048	0.248	0.003	0.805	0.010	0.266	0.003	0.297	0.004	0.056	0.001	0.466	0.031	0.101	0.033	0.037	0.007
E85	Pier X-Ray Generator	Generator	2.070	0.027	0.138	0.002	0.447	0.006	0.148	0.002	0.165	0.002	0.031	0.000	0.259	0.017	0.056	0.018	0.021	0.004
Portable Emissions			0.129		0.009		0.028		0.009		0.010		0.002		1.708	0.114	0.368	0.122	0.136	0.025
Stationary Emissions			52.616		4.822		11.992		1.352		1.749		0.040		125.071	11.053	28.281	4.070	5.033	0.362
TOTAL Emissions			52.745		4.831		12.020		1.361		1.760		0.042		126.779	11.167	28.650	4.192	5.169	0.387

Notes:

hr = hours

lb = pounds

NA = Not Available

N/A = Not Applicable

tpy = tons per year

Source: Charleston NWS, 1993

PM = particulate matter

VOC = volatile organic compound

NO_x = oxides of nitrogen

SO2 = sulfur dioxide

CO = carbon monoxide

Table D-3. Emissions from Surface Coating Operations at NWS Charleston

SOURCE ID	BLDG NO.	SOURCE TYPE	ACTUAL EMISSIONS						POTENTIAL EMISSIONS		
			VOC		PM		HAP		VOC	PM	HAP
			lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	tpy	tpy	tpy
S1	2	Red Enamel/Gloss Aerosol	0.086	0.002	0.071	0.002	0.025	0.001	0.089	0.074	0.026
		White Lacquer Aerosol	0.150	0.004	0.027	0.001	0.057	0.001	0.156	0.028	0.060
		Glid-Guard Alkyd Ind Enl	0.085	0.002	0.070	0.002	0.000	0.000	0.088	0.073	0.000
		Alkyd Semi-gloss Enamel	0.082	0.002	0.074	0.002	0.000	0.000	0.085	0.076	0.000
		Subtotal:	0.402	0.010	0.242	0.006	0.082	0.002	0.419	0.251	0.085
S2	65	GAVLON 510	0.381	0.398	0.015	0.015	0.090	0.093	0.396	0.015	0.093
		White Enamel/Int/Ext Alkyd	0.188	0.196	0.003	0.003	0.000	0.000	0.196	0.003	0.000
		Epoxy Coating-A/Haze Gray	0.047	0.049	0.002	0.002	0.001	0.001	0.049	0.002	0.001
		Epoxy Coating-B/Haze Gray	0.035	0.037	0.003	0.003	0.000	0.000	0.037	0.003	0.000
		Epoxy Coating	0.046	0.048	0.002	0.002	0.000	0.000	0.048	0.002	0.000
		Epoxy Coating	0.034	0.035	0.003	0.003	0.000	0.000	0.035	0.003	0.000
		Subtotal:	0.732	0.761	0.027	0.028	0.091	0.095	0.761	0.028	0.095
S3	88	Ultrabase basecoat	0.078	0.081	0.001	0.001	0.043	0.044	0.081	0.001	0.044
		Super Combo Primer/Surfacer	0.108	0.112	0.002	0.002	0.101	0.105	0.112	0.002	0.105
		Lacquer Primers/Automotive	0.087	0.090	0.001	0.001	0.055	0.058	0.090	0.001	0.058
		Ultrabase basecoat/Auto	0.045	0.047	0.001	0.001	0.023	0.024	0.047	0.001	0.024
		Acrylic Enamel, White	0.056	0.058	0.002	0.002	0.051	0.053	0.058	0.002	0.053
		Subtotal:	0.373	0.388	0.007	0.007	0.273	0.284	0.388	0.007	0.284
S4	288	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
S5	320	White 17875	0.291	0.078	0.035	0.009	0.000	0.000	0.302	0.036	0.000
		Spray Stencil Ink	0.042	0.011	0.001	0.000	0.018	0.005	0.043	0.001	0.019
		Zinc Dust Pig. Primer	0.081	0.021	0.005	0.001	0.069	0.018	0.084	0.005	0.072
		Black Stencil Aerosol	0.014	0.004	0.000	0.000	0.002	0.001	0.015	0.000	0.002
		Gray Semigloss Enamel	0.401	0.104	0.016	0.004	0.000	0.000	0.417	0.017	0.000
		Primer Paint	0.099	0.026	0.002	0.000	0.000	0.000	0.103	0.002	0.000
		Ink Marking Stencil	0.014	0.004	0.000	0.000	0.007	0.002	0.015	0.000	0.008
		Thinner	0.585	0.152	0.000	0.000	0.000	0.000	0.609	0.000	0.000
		White Base Polyurethane	0.010	0.003	0.000	0.000	0.007	0.002	0.010	0.000	0.007
		Subtotal:	1.537	0.400	0.059	0.015	0.103	0.027	1.598	0.061	0.107
S6	418	Primer Coat	0.311	0.162	0.005	0.002	0.007	0.004	0.324	0.005	0.007
		Finish Coat, Grey	0.236	0.123	0.007	0.004	0.048	0.025	0.245	0.007	0.050
		Subtotal:	0.547	0.284	0.012	0.006	0.055	0.029	0.569	0.012	0.058
S10	3107	Delthane Ultra	0.027	0.014	0.005	0.002	0.000	0.000	0.028	0.005	0.000
		Delstar Acrylic Enamel	0.081	0.042	0.003	0.001	0.008	0.004	0.084	0.003	0.008
		Acrylic Primer-Surfacer	0.129	0.067	0.002	0.001	0.069	0.036	0.135	0.002	0.071
		Delseal Primer-Sealer	0.119	0.062	0.001	0.000	0.028	0.015	0.124	0.001	0.029
		Primer Surfacer Catalyst	0.093	0.048	0.002	0.001	0.015	0.008	0.096	0.002	0.016
		Alkyd Enamel Gloss	0.055	0.029	0.004	0.002	0.000	0.000	0.057	0.004	0.000
		Air Dry Enamel	0.086	0.045	0.002	0.001	0.084	0.044	0.089	0.002	0.088
		NCT Clearcoat	0.092	0.048	0.002	0.001	0.000	0.000	0.096	0.002	0.000
		Durethane Enamel	0.085	0.044	0.004	0.002	0.018	0.009	0.088	0.004	0.018
		Delstar Acrylic Enamel	0.093	0.048	0.002	0.001	0.093	0.048	0.096	0.003	0.096
		Acrylic Enamel Tints	0.088	0.046	0.002	0.001	0.048	0.025	0.092	0.002	0.050
		CENTARI Acrylic Enamel	0.083	0.043	0.003	0.002	0.055	0.028	0.086	0.003	0.057
		VARIPRIME/CORLAR	0.093	0.048	0.003	0.001	0.061	0.032	0.097	0.003	0.063
		Subtotal:	1.124	0.584	0.033	0.017	0.478	0.249	1.169	0.035	0.498
TOTAL EMISSIONS				2.427		0.081		0.685	4.902	0.395	1.127

NOTES:

NA – not available
N/A – not applicable
HAP – Hazardous air pollutant
VOC – Volatile organic compound

Potential emissions based upon 2080 hr/yr

lb/hr – pounds per hour
PM – particulate matter
tpy – tons per year

Source: NWS Charleston, 1993

Table D-4. Emissions from Solvent Use Processes at NWS Charleston

Source ID	Bldg No.	Process Type	Materials Used	Actual Oper hr/yr	Usage gal/yr	VOC Emissions lb/hr	VOC Emissions tpy	HAP Emissions lb/hr	HAP Emissions tpy
P1	37	DEGR TANK-PARTS WASHER	PD-680, type I	520	52	0.649	0.169	0	0
P2	304	SK DEGREASING TANK	Solvent 105	1300	660	3.300	2.145	0.099	0.064
P3	320	DEGREASING TANK	PD-680, type I	520	15	0.187	0.049	0	0
P4	339	DEGR TANK-PARTS WASHER	PD-680, type I	520	40	0.500	0.130	0	0
P5	366	DEGR TANK-PARTS WASHER	PD-680, type I	520	50	0.624	0.162	0	0
P6	366	DEGR TANK-PARTS WASHER	PD-680, type I	520	50	0.624	0.162	0	0
P7	455	DEGR TANK-PARTS WASHER	PD-680, type I	520	50	0.624	0.162	0	0
P8	455	DEGR TANK-PARTS WASHER	PD-680, type I	N/A	50	N/A	0.162	0	0
P9	455	DEGR TANK-PARTS WASHER	PD-680, type I	N/A	12	N/A	0.039	0	0
P10	776	DEGR TANK-PARTS CLEANING	Diesel	3120	120	NE	NE	0	0
P11	776	BRAKE PARTS CLEANING	ZEP Brake-sol	260	4	0.100	0.013	0	0
P12	900	BRAKE PARTS CLEANING	BC Solv (CRC)	N/A	N/A	NE	NE	0	0
P13	900	DEGREASING TANK	PD-680, type I	520	15	0.187	0.049	0	0
P14	900	DEGREASING TANK	PD-680, type I	520	15	0.187	0.049	0	0
P15	903	DRY CLEANING SOLV TANK	PD-680, type I	520	104	1.299	0.338	0	0
P16	903	DRY CLEANING SOLV TANK	PD-680, type I	520	104	1.299	0.338	0	0
					Totals:		3.967		0.064

NOTES:

NA = not available
N/A = not applicable
NE = negligible emissions
NIU = Not in Use
HAP = Hazardous Air Pollutant
VOC = Volatile Organic Compound
MB = Marine Barracks

Potential emissions will equal actual emissions as all of solvent used is assumed to volatilize (see Section 3.4)

hr/yr = hours per year
gal/yr = gallons per year
lb/hr = pounds per hour
Oper = operation
tpy = tons per year

Source: NWS Charleston, 1993

Table D-5. Emissions from Gas Stations and Related Operations at Charleston Naval Weapons Station

SOURCE ID	BUILDING NUMBER	SOURCE TYPE	FUEL TYPE	CAPACITY (gal)	THROUGHPUT (gpy)	FILLING TYPE	VOC CONTROL	LOADING LOSS (tpy)	BREATHING LOSS (tpy)	SPILLAGE LOSS (tpy)	REFUELING LOSS (tpy)
T-1	195	Dispensing Facility	Diesel	15,000	175,000	Splash	None	0.003	0.000	0.000	0.000
T-2	407	GOV Gas Station	Gasoline	20,000	50,000	Submerged	None	0.183	0.025	0.018	0.275
T-3	407	GOV Gas Station	Diesel	5,000	32,000	Splash	None	0.000	0.000	0.000	0.000
T-4	724	Navy Exchange Gas Station	Gasoline	25,000	1,070,787	Submerged	None	3.908	0.535	0.375	5.889
T-5	867	GOV Gas Station	Gasoline	10,000	45,000	Submerged	None	0.164	0.023	0.016	0.248
T-6	867	GOV Gas Station	Diesel	5,000	35,000	Splash	None	0.001	0.000	0.000	0.000
T-7	922	GOV Gas Station	Gasoline	20,000	255,000	Submerged	None	0.931	0.128	0.089	1.403
T-8	3222	GOV Gas Station	Gasoline	10,000	25,000	Submerged	None	0.091	0.013	0.009	0.138
T-9	3222	GOV Gas Station	Diesel	6,000	20,000	Splash	None	0.000	0.000	0.000	0.000
TOTAL VOC LOSS (tpy):								5.281	0.723	0.506	7.952

NOTES:

N/A = not applicable
NA = not available
NIU = not in use
gpy = gallons per year
tpy = tons per year

Source: NWS Charleston, 1993

Table D-5. Emissions from Gas Stations and Related Operations at Charleston Naval Weapons Station

SOURCE ID	BUILDING NUMBER	SOURCE TYPE	FUEL TYPE	CAPACITY (gal)	THROUGHPUT (gpy)	FILLING TYPE	VOC CONTROL	LOADING LOSS (tpy)	BREATHING LOSS (tpy)	SPILLAGE LOSS (tpy)	REFUELING LOSS (tpy)
T-1	195	Dispensing Facility	Diesel	15,000	175,000	Splash	None	0.003	0.000	0.000	0.000
T-2	407	GOV Gas Station	Gasoline	20,000	50,000	Submerged	None	0.183	0.025	0.018	0.275
T-3	407	GOV Gas Station	Diesel	5,000	32,000	Splash	None	0.000	0.000	0.000	0.000
T-4	724	Navy Exchange Gas Station	Gasoline	25,000	1,070,787	Submerged	None	3.908	0.535	0.375	5.889
T-5	857	GOV Gas Station	Gasoline	10,000	45,000	Submerged	None	0.164	0.023	0.016	0.248
T-6	857	GOV Gas Station	Diesel	5,000	35,000	Splash	None	0.001	0.000	0.000	0.000
T-7	922	GOV Gas Station	Gasoline	20,000	255,000	Submerged	None	0.931	0.128	0.089	1.403
T-8	3222	GOV Gas Station	Gasoline	10,000	25,000	Submerged	None	0.091	0.013	0.009	0.138
T-9	3222	GOV Gas Station	Diesel	8,000	20,000	Splash	None	0.000	0.000	0.000	0.000
TOTAL VOC LOSS (tpy):								5.281	0.723	0.506	7.952

NOTES:

N/A = not applicable
NA = not available
NIU = not in use
gpy = gallons per year
tpy = tons per year

Source: NWS Charleston, 1993

Table D-5A. Toxic Emissions from Gas Stations and Related Operations at Charleston Naval Weapons Station

TOXIC POLLUTANT	TOXIC EMISSIONS			
Benzene	0.000	lb/yr	0.000	tpy
Xylenes	0.000	lb/yr	0.000	tpy
Toluene	0.000	lb/yr	0.000	tpy
Ethylbenzene	0.000	lb/yr	0.000	tpy
Ethylene Dichloride	0.000	lb/yr	0.000	tpy
Ethylene Dibromide	0.000	lb/yr	0.000	tpy
Totals:	0.000	lb/yr	0.000	tpy

TOTAL GASOLINE THROUGHPUT 1,445,767 gpy

Source: NWS Charleston, 1993

Table D-6. Emissions from Miscellaneous Sources of Air Pollution at N W S Charleston

Source ID	Bldg No.	Process Type	Material Used	Ctrl Type	Process Rate (lb/yr)	Actual Operati (hr/yr)	Potentia Operatio (hr/yr)	Emission Type	Actual Emissio		Potential Emission
									(lb/hr)	(tpy)	(tpy)
M1	2	WOODWORKING	Wood	Cycl/Bghse	NA	520	2,080	NE	NE	NE	NE
M2	17	STORAGE AREA	Pesticides	None	NA	650	2,080	NE	NE	NE	NE
M3	17	PESTICIDE MIXING	Pesticides:	None	29,052	650	2,080				
			Gentrol E. C. IGR		1,851			none	NE	NE	NE
			Commodore WP		2,404						
					129			xylene	0.198	0.064	0.206
					129			VOC	0.198	0.064	0.206
			Diazanon 4E		2,018						
					394			p-xylene	0.605	0.197	0.630
					212			VOC	0.326	0.106	0.339
			Dursban 4E		1,951						
					72			xylene	0.111	0.036	0.116
					43			cumene	0.066	0.021	0.069
					788			VOC	1.213	0.394	1.261
			Dursban 4E		1,951						
					72			xylene	0.111	0.036	0.116
					43			cumene	0.066	0.021	0.069
					788			VOC	1.213	0.394	1.261
			SMCP Dursban 4E		2,147						
					79			xylene	0.122	0.040	0.127
					47			cumene	0.073	0.024	0.076
					363			VOC	0.558	0.181	0.581
			Prometone		1,867						
					187			xylene	0.287	0.093	0.299
					37			ethylbenzene	0.057	0.019	0.060
					187			ethglphlether	0.287	0.093	0.299
					523			VOC	0.804	0.261	0.836

Table D-6. Emissions from Miscellaneous Sources of Air Pollution at N W S Charleston

Source ID	Bldg No.	Process Type	Material Used	Ctrl Type	Process Rate (lb/yr)	Actual Operati (hr/yr)	Potential Operatio (hr/yr)	Emission Type	Actual Emission (lb/hr)	Actual Emission (tpy)	Potential Emissions (tpy)
M3	17	Pesticide Mixing	Pesticides:	none	29,052	650	2,080				
(Cont.)			Gencor 9% EC		1,699						
					566			methanol	0.870	0.283	0.905
					1,132			VOC	1.741	0.566	1.810
			SMCP Dursban 4E		2,147						
					79			xylene	0.122	0.040	0.127
					47			cumene	0.073	0.024	0.076
					363			VOC	0.558	0.181	0.581
			Demon EC		1,909						
					853			xylene	1.313	0.427	1.365
					865			VOC	1.330	0.432	1.384
			Torus 2E		1,949						
					31			xylene	0.048	0.016	0.050
					1,444			VOC	2.222	0.722	2.311
			Ficam D		478						
					5			methisocy	0.007	0.002	0.008
			Round-up		2,339			none	NE	NE	NE
			Sevin		2,364						
					1,891			carbaryl (PM)	2.909	0.945	3.026
			Tempo 2 EC		1,979						
					198			xylene	0.305	0.099	0.317
					40			ethylbenzene	0.062	0.020	0.064
					1,386			VOC	2.132	0.693	2.218

Table D-6. Emissions from Miscellaneous Sources of Air Pollution at N W S Charleston

Source ID	Bldg No.	Process Type	Material Used	Ctrl Type	Process Rate (lb/yr)	Actual Operatio (hr/yr)	Potential Operatio (hr/yr)	Emission Type	Actual Emission (lb/hr)	Actual Emission (tpy)	Potential Emissions (tpy)
M4	37	MACHINING	Various	None	NA	N/A	2,080	NE	NE	NE	NE
M5	47	DEMIL FURNACE	Miscellaneous	Cycl/Bghs	NA	588	2,080	PM	0.376	0.111	0.391
								SO2	0.910	0.268	0.946
								NOx	5.000	1.470	5.200
								CO	0.090	0.026	0.094
								Formald	0.001	0.000	0.001
								VOC	1.420	0.417	1.477
M6	65	WELDING	Welding Wire	None	1,716	2,080	2,080	Mn (PM)	0.000	0.000	0.000
								PM	0.000	0.000	0.000
M7	72	BLASTING	Abrasives	None	NA	52	2,080	PM	0.020	0.001	0.021
M8	74	WELDING	Welding Wire	Exhaust	3,432	2,080	2,080	Mn (PM)	0.000	0.000	0.000
								PM	0.000	0.000	0.000
M9	76	CARPENTRY SHOP	Wood	None	NA	520	2,080	PM	2.000	0.520	2.080
M10	79	ROTO-JET WASHER	Washwater	None	NA	2,000	2,080	NE	NE	NE	NE
M11	79	WET-X (TOR DIS)	Benzene By-Product	None	NA	2,080	2,080	Benzene	0.000	0.000	0.000
M12	79	WET-X (TOR DIS)	Benzene By-Product	None	NA	2,080	2,080	Benzene	0.000	0.000	0.000
M13	79	WET-X (TOR DIS)	Benzene By-Product	None	NA	2,080	2,080	Benzene	0.000	0.000	0.000
M14	79	WET-X (TOR DIS)	Benzene By-Product	None	NA	2,080	2,080	Benzene	0.000	0.000	0.000
M15	84	INCINERATOR	Natural Gas *	None	1	288	2,080	PM	0.010	0.001	0.010
								SO2	0.002	0.000	0.002
								NOx	0.336	0.048	0.350
								CO	0.067	0.010	0.070
								VOC	0.027	0.004	0.028
								Formald	0.001	0.000	0.001
			Classified Waste **		18			PM	0.206	0.030	0.214
								SO2	0.106	0.015	0.111
								NOx	0.275	0.040	0.286
								VOC	0.094	0.014	0.098
								CO	0.213	0.031	0.221
								Lead (PM)	0.008	0.001	0.008
M16	92	COOLING TOWER	Potable Water	None	NA	N/A	2,080	NE	NE	NE	NE
M17	189	MERCURY HANDLING	Mercury	None	NA	0	2,080	NE	NE	NE	NE
M18	296	BLASTING	Abrasives	None	NA	0	2,080	NA	0.020	0.000	0.021
M19	302	COOLING TOWER	Potable Water	None	NA	N/A	2,080	NE	NE	NE	NE
M20	302	INCINERATOR	Natural Gas *	None	0.039	384	2,080	PM	0.000	0.000	0.000
								SO2	0.000	0.000	0.000
								NOx	0.010	0.002	0.011
								CO	0.002	0.000	0.002
								VOC	0.001	0.000	0.001
								Formald	0.000	0.000	0.000
			Classified Waste **		14.4			PM	0.124	0.024	0.129
								SO2	0.064	0.012	0.066
								NOx	0.165	0.032	0.172
								VOC	0.056	0.011	0.059
								CO	0.128	0.024	0.133
								Lead (PM)	0.005	0.001	0.005

Table D-6. Emissions from Miscellaneous Sources of Air Pollution at N W S Charleston

Source ID	Bldg No.	Process Type	Material Used	Ctrl Type	Process Rate (lb/yr)	Actual Operati (hr/yr)	Potentia Operatio (hr/yr)	Emission Type	Actual Emissio		Potential Emission
									(lb/hr)	(tpy)	(tpy)
M21	304	COOLING TOWER	Potable Water	None	NA	N/A	2,080	NE	NE	NE	NE
M22	317	CARPENTRY SHOP	Wood	Cycl/Bghs	NA	1,560	2,080	NE	NE	NE	NE
M23	318	COOLING TOWER	Potable Water	None	NA	N/A	2,080	NE	NE	NE	NE
M24	320	WELDING MACHINE	Welding Rod	None	100	416	2,080	Mn (PM)	0.000	0.000	0.000
								Ni (PM)	0.001	0.000	0.001
								Cr (PM)	0.000	0.000	0.000
M25	320	WOODWORKING AREA	Wood	Cycl/Bghs	NA	2,080	2,080	NE	NE	NE	NE
M26	320	BATTERY CHARGING	Batteries	None	NA	1,248	2,080	NE	NE	NE	NE
M27	322	COOLING TOWER	Potable Water	None	NA	N/A	2,080	NE	NE	NE	NE
M28	324	COOLING TOWER	Potable Water	None	NA	N/A	2,080	NE	NE	NE	NE
M29	328	COOLING TOWER	Potable Water	None	NA	N/A	2,080	NE	NE	NE	NE
M30	335	COOLING TOWER	Potable Water	None	NA	N/A	2,080	NE	NE	NE	NE
M31	339	MACHINING	Various	None	NA	2,080	2,080	NE	NE	NE	NE
M32	339	SANDBLASTER	Abrasives	None	15	260	2,080	PM	0.020	0.003	0.021
M33	344	COOLING TOWER	Potable Water	None	NA	N/A	2,080	NE	NE	NE	NE
M34	346	COOLING TOWER	Potable Water	None	NA	N/A	2,080	NE	NE	NE	NE
M35	348	COOLING TOWER	Potable Water	None	NA	N/A	2,080	NE	NE	NE	NE
M36	354	COOLING TOWER	Potable Water	None	NA	N/A	2,080	NE	NE	NE	NE
M37	366	WELDER TORCH	Oxygen & LPG	None	NA	52	2,080	NE	NE	NE	NE
M38	366	WELDING MACHINE	Welding Rod	None	50	260	2,080	Mn (PM)	0.000	0.000	0.000
								Ni (PM)	0.000	0.000	0.000
								Cr (PM)	0.000	0.000	0.000
M39	419	COOLING TOWER	Potable Water	None	NA	N/A	2,080	NE	NE	NE	NE
M40	419	GRIT BLAST	#60 & #80 Steel	Baghouse	NA	2,080	2,080	PM	0.020	0.021	0.021
M41	419	GENERAL EXHAUST	Building Air	None	NA	N/A	2,080	NE	NE	NE	NE
M42	419	OVEN DRYING	Hand Grenades	None	NA	800	2,080	NE	NE	NE	NE
M43	419	STORAGE LOCKER	Paints	None	NA	N/A	2,080	NE	NE	NE	NE
M44	440	CARPENTRY SHOP	Wood	Cycl/Bghs	NA	2,080	2,080	NE	NE	NE	NE
M45	448	MERCURY HANDLING	Mercury	None	100	0	2,080	NE	NE	NE	NE
M46	455	WELDING MACHINE	Welding Rod	None	200	52	2,080	Mn (PM)	0.000	0.000	0.000
								Ni (PM)	0.009	0.000	0.009
								Cr (PM)	0.002	0.000	0.002
M47	455	WELDER TORCH	Oxygen & LPG	None	NA	52	2,080	NE	NE	NE	NE
M48	458	COOLING TOWER	Potable Water	None	NA	N/A	2,080	NE	NE	NE	NE
M49	458	EXHAUST VENT	Miscellaneous	None	NA	NA	2,080	NE	NE	NE	NE
M50	459	EXHAUST VENT	Miscellaneous	None	NA	NA	2,080	NE	NE	NE	NE
M51	459	COOLING TOWER	Potable Water	None	NA	N/A	2,080	NE	NE	NE	NE
M52	461	COOLING TOWER	Potable Water	None	NA	N/A	2,080	NE	NE	NE	NE
M53	725	COOLING TOWER	Potable Water	None	NA	N/A	2,080	NE	NE	NE	NE
M54	776	EXHAUST ANALYZER	Exhaust fumes	None	NA	N/A	2,080	NE	NE	NE	NE
M55	850	STORAGE	Hazwaste	None	NA	N/A	2,080	NE	NE	NE	NE
M56	863	COOLING TOWER	Potable Water	None	NA	N/A	2,080	NE	NE	NE	NE
M57	864	COOLING TOWER	Potable Water	None	NA	N/A	2,080	NE	NE	NE	NE
M58	869	COOLING TOWER	Potable Water	None	NA	N/A	2,080	NE	NE	NE	NE

Table D-6. Emissions from Miscellaneous Sources of Air Pollution at N W S Charleston

Source ID	Bldg No.	Process Type	Material Used	Ctrl Type	Process Rate (lb/yr)	Actual Operation (hr/yr)	Potential Operation (hr/yr)	Emission Type	Actual Emissions (lb/hr)	Actual Emissions (tpy)	Potential Emissions (tpy)
M59	900	SANDBLASTING	Sand	None	15,000	96	2,080	PM	0.020	0.001	0.021
M60	900	LIMESTONE PILE	Limestone	None	NA	2,080	2,080	NE	NE	NE	NE
M61	903	WELDING BOOTH	Welding Rod	None	150	52	2,080	Mn (PM)	0.000	0.000	0.000
								Ni (PM)	0.007	0.000	0.007
								Cr (PM)	0.002	0.000	0.002
M62	942	COOLING TOWER	Potable Water	None	NA	N/A	2,080	NE	NE	NE	NE
M63	977	STORAGE	Paints	NA	NA	NA	2,080	NE	NE	NE	NE
M64	984	STORAGE	OTTO Fuel	NA	NA	NA	2,080	NE	NE	NE	NE
M65	3107	RM400 WELD SHOP	Welding Rod	Drum fltr	240	1,300	2,080	Mn (PM)	0.000	0.000	0.000
								Ni (PM)	0.000	0.000	0.000
								Cr (PM)	0.000	0.000	0.000
M66	3107	TEMP STORAGE	Hazwaste	None	NA	N/A	2,080	NE	NE	NE	NE
M67	3107	CARPENTRY SHOP	Wood	Cycl/Bghs	NA	1,040	2,080	NE	NE	NE	NE
M68	EOD 3675	WELDING	Metals	NA	50	104	2,080	Mn (PM)	0.000	0.000	0.000
								Ni (PM)	0.001	0.000	0.001
								Cr (PM)	0.000	0.000	0.000
M69	3677	WELDING	Welding Rod	None	50	104	2,080	Mn (PM)	0.000	0.000	0.000
								Ni (PM)	0.001	0.000	0.001
								Cr (PM)	0.000	0.000	0.000
M70	GOLF	SPREADING	Fertilizers	None	NA	2,080	2,080	NE	NE	NE	NE
M71	MB	GUN CLEANING	guns/solvents	None	NA	NA	2,080	NE	NE	NE	NE
M72	NPTU	LAB FUME HOOD	Chemicals	None	NA	12	2,080	NE	NE	NE	NE
M73	NPTU	LAB ON BARGE	Chemicals	None	8	52	2,080	1,1,1-TCA	0.154	0.004	0.160
M74	OUTSIDE	CONTROLLED BURNIN	Forestry Management	None	NA	NA	2,080	NR	NR	NR	NR
M75	Pomflant	ASPHALTING	Asphalt	None	NA	NA	2,080	NE	NE	NE	NE
M76	WP	SPREADING	Fertilizer	None	NA	NA	2,080	NE	NE	NE	NE

NOTES:

NA - not available
N/A - not applicable
CO - carbon monoxide
VOC - volatile organic compounds
HAP - Hazardous Air Pollutant
PM - particulate matter
Ni - nickel
Mn - manganese
Cr - chromium
ethglphether - ethylene glycol phenyl ether
methisocy - methyl isocyanate
Hazwaste - hazardous waste
1,1,1-TCA - 1,1,1-trichloroethane
NR - Not Required

	ACTUAL	POTENTIAL
PM Emissions, tpy	0.711	2.909
CO Emissions, tpy	0.092	0.519
VOC Emissions, tpy	4.442	14.449
SO2 Emissions, tpy	0.295	1.125
NOx Emissions, tpy	1.592	6.018
HAP VOC Emissions, tpy	1.559	5.137
HAP PM Emissions, tpy	0.949	3.064
TOTAL EMISSIONS, tpy	9.640	33.221

* Units for Process Rate are million cubic feet of natural gas burned per yea

** Units for Process Rate are tons of waste burned per year

Source: N W S Charleston, 1993

Table D-7A. Summary of Hazardous Air Pollutant (HAP) Emissions at NWS Charleston by Pollutant

HAP Chemical/ CAS #	Source ID	Bldg Number	Source/ Material Name	SPECIFIC HAP %		PARENT MATERIAL INFORMATION					HAP ACTUAL EMISSIONS				HAP POT EMISSIONS	
				VOC wt %	PM wt %	HAP(VOC) wt %	HAP(PM) wt %	USAGE gal/yr	DENSITY lb/gal	VOC lb/gal	VOC EMISSIONS (lb/hr)	VOC EMISSIONS (tpy)	PM EMISSIONS (lb/hr)	PM EMISSIONS (tpy)	VOC (tpy)	PM (tpy)
Formald	Table D-1	Various	Boilers	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.036	N/A	N/A	0.113	N/A
50000	M5	47	Demilterized Furnace	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.001	0.000	N/A	N/A	0.001	N/A
	M15	84	Incinerator	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.007	0.001	N/A	N/A	0.001	N/A
	M20	302	Incinerator	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.000	0.000	N/A	N/A	0.000	N/A
								Subtotal:			0.008	0.037	0.000	0.000	0.115	0.000
Toulene	S1	2	Red Enamel/Gloss Aerosol	83.0	N/A	28.6	0.0	1.3	8.50	3.57	0.020	0.001	N/A	N/A	0.021	N/A
108883	S1	2	White Laquer Aerosol	91.0	N/A	38.2	0.0	1.3	8.10	6.24	0.052	0.001	N/A	N/A	0.054	N/A
	S2	65	GAVLON 510	98.0	N/A	23.6	0.0	200.0	9.00	3.96	0.086	0.090	N/A	N/A	0.090	N/A
	S3	86	Ultrabase basecoat	10.0	N/A	54.7	46.0	25.0	8.80	6.45	0.004	0.004	N/A	N/A	0.004	N/A
	S3	86	Super Combo Primer/Surfacer	34.4	N/A	93.2	0.0	40.0	9.35	5.61	0.035	0.036	N/A	N/A	0.036	N/A
	S3	86	Laquer Primers/Automotive	63.0	N/A	84.0	0.0	30.0	8.00	6.00	0.035	0.036	N/A	N/A	0.036	N/A
	S3	86	Ultrabase basecoat/Auto	55.0	N/A	51.7	0.0	20.0	7.80	4.68	0.013	0.013	N/A	N/A	0.013	N/A
	S3	86	Acrylic Enamel, White	10.0	N/A	91.0	0.0	30.0	9.00	3.87	0.005	0.005	N/A	N/A	0.005	N/A
	P2	304	Safety Kleen 105 Solvent	18.7	N/A	3.0	0.0	660.0	8.50	8.50	0.017	0.011	N/A	N/A	0.011	N/A
	S5	320	Spray Stencil Ink	80.0	N/A	42.7	0.0	4.5	8.26	4.83	0.014	0.004	N/A	N/A	0.015	N/A
	S5	320	Zinc Dust Pigment Primer	50.0	N/A	85.7	0.0	12.0	10.00	3.50	0.035	0.009	N/A	N/A	0.036	N/A
	S5	320	Black Stencil Aerosol	100.0	N/A	16.8	0.0	1.5	8.20	4.88	0.002	0.001	N/A	N/A	0.002	N/A
	S5	320	Ink Marking Stencil	50.0	N/A	50.0	25.0	1.5	8.26	4.96	0.004	0.001	N/A	N/A	0.004	N/A
	S8	419	Finish Coat, Gray	100.0	N/A	20.0	20.0	50.0	9.80	4.90	0.047	0.025	N/A	N/A	0.049	N/A
	S10	3107	Acrylic Primer-Surfacer	86.0	N/A	53.0	0.0	20.0	10.20	8.73	0.059	0.031	N/A	N/A	0.061	N/A
	S10	3107	Primer Surfacer Catalyst	100.0	N/A	16.7	0.0	20.0	8.04	4.82	0.015	0.008	N/A	N/A	0.016	N/A
	S10	3107	Durethane Enamel	100.0	N/A	21.4	0.0	20.0	10.50	4.41	0.018	0.009	N/A	N/A	0.019	N/A
	S10	3107	CENTARI Acrylic Enamel	33.0	N/A	65.6	18.4	20.0	9.40	4.30	0.018	0.009	N/A	N/A	0.018	N/A
	S10	3107	VARIPRIME/CORLAR	27.0	N/A	64.7	16.3	20.0	9.50	4.85	0.016	0.008	N/A	N/A	0.017	N/A
	Table D-5	Various	Gas Stations	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.329	N/A	N/A	0.329	N/A
								Subtotal:			0.496	0.631	0.000	0.000	0.838	0.000
Benzene	Table D-5	Various	Gas Stations	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.130	N/A	N/A	0.130	N/A
71432	M11-M14	79	Wet-X (for Dis)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.000	0.000	N/A	N/A	0.000	N/A
								Subtotal:			0.000	0.130	0.000	0.000	0.130	0.000
Eth Dich	Table D-5	Various	Gas Stations	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.002	N/A	N/A	0.002	N/A
107062								Subtotal:			0.000	0.002	0.000	0.000	0.002	0.000

Table D-7A. Summary of Hazardous Air Pollutant (HAP) Emissions at NWS Charleston by Pollutant

HAP Chemical/ CAS #	Source ID	Bldg Number	Source/ Material Name	SPECIFIC HAP %		PARENT MATERIAL INFORMATION					HAP ACTUAL EMISSIONS				HAP POT EMISSIONS	
				VOC wt %	PM wt %	HAP(VOC) wt %	HAP(PM) wt %	USAGE gal/yr	DENSITY lb/gal	VOC lb/gal	VOC EMISSIONS (lb/hr)	VOC EMISSIONS (tpy)	PM EMISSIONS (lb/hr)	PM EMISSIONS (tpy)	VOC (tpy)	PM (tpy)
Eth Dibr	Table D-5	Various	Gas Stations	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.000	N/A	N/A	0.000	N/A
106934						Subtotal:					0.000	0.000	0.000	0.000	0.000	0.000
1,1,1-TCA	P2	304	Safety Kleen 105 Solvent	16.7	N/A	3.0	0.0	660.0	6.50	6.50	0.017	0.011	N/A	N/A	0.011	N/A
71556	M73	NPTU	Lab on Barge	100.0	N/A	100.0	0.0	0.732	10.93	10.93	0.154	0.004	N/A	N/A	0.160	N/A
						Subtotal:					0.170	0.015	0.000	0.000	0.171	0.000
PCE	P2	304	Safety Kleen 105 Solvent	16.7	N/A	3.0	0.0	660.0	6.50	6.50	0.017	0.011	N/A	N/A	0.011	N/A
127184						Subtotal:					0.017	0.011	0.000	0.000	0.011	0.000
Mn (PM)	M8	65	Welding	N/A	N/A	N/A	N/A	1716 *	N/A	N/A	N/A	N/A	0.000	0.000	N/A	0.000
7439965	M8	74	Welding	N/A	N/A	N/A	N/A	3432 *	N/A	N/A	N/A	N/A	0.000	0.000	N/A	0.000
	M24	320	Welding Machine	N/A	N/A	N/A	N/A	100 *	N/A	N/A	N/A	N/A	0.000	0.000	N/A	0.000
	M38	388	Welding Machine	N/A	N/A	N/A	N/A	50 *	N/A	N/A	N/A	N/A	0.000	0.000	N/A	0.000
	M46	455	Welding Machine	N/A	N/A	N/A	N/A	200 *	N/A	N/A	N/A	N/A	0.000	0.000	N/A	0.000
	M61	903	Welding Booth	N/A	N/A	N/A	N/A	150 *	N/A	N/A	N/A	N/A	0.000	0.000	N/A	0.000
	M65	3107	Weld Shop	N/A	N/A	N/A	N/A	240 *	N/A	N/A	N/A	N/A	0.000	0.000	N/A	0.000
	M68	3675	Welding	N/A	N/A	N/A	N/A	50 *	N/A	N/A	N/A	N/A	0.000	0.000	N/A	0.000
	M69	3677	Welding	N/A	N/A	N/A	N/A	50 *	N/A	N/A	N/A	N/A	0.000	0.000	N/A	0.000
						Subtotal:					0.000	0.000	0.001	0.001	0.000	0.001
Nickel (PM)	M24	320	Welding Machine	N/A	N/A	N/A	N/A	100 *	N/A	N/A	N/A	N/A	0.001	0.000	N/A	0.001
7440020	M38	388	Welding Machine	N/A	N/A	N/A	N/A	50 *	N/A	N/A	N/A	N/A	0.000	0.000	N/A	0.000
	M46	455	Welding Machine	N/A	N/A	N/A	N/A	200 *	N/A	N/A	N/A	N/A	0.000	0.000	N/A	0.000
	M61	903	Welding Booth	N/A	N/A	N/A	N/A	150 *	N/A	N/A	N/A	N/A	0.009	0.000	N/A	0.009
	M65	3107	Weld Shop	N/A	N/A	N/A	N/A	240 *	N/A	N/A	N/A	N/A	0.007	0.000	N/A	0.007
	M68	3675	Welding	N/A	N/A	N/A	N/A	50 *	N/A	N/A	N/A	N/A	0.000	0.000	N/A	0.000
	M69	3677	Welding	N/A	N/A	N/A	N/A	50 *	N/A	N/A	N/A	N/A	0.001	0.000	N/A	0.001
						Subtotal:					N/A	N/A	0.001	0.000	N/A	0.001
Chromium(PM)	M24	320	Welding Machine	N/A	N/A	N/A	N/A	100 *	N/A	N/A	0.000	0.000	0.019	0.001	0.000	0.020
7440473	M38	388	Welding Machine	N/A	N/A	N/A	N/A	50 *	N/A	N/A	N/A	N/A	0.000	0.000	N/A	0.000
	M46	455	Welding Machine	N/A	N/A	N/A	N/A	200 *	N/A	N/A	N/A	N/A	0.000	0.000	N/A	0.000
	M61	903	Welding Booth	N/A	N/A	N/A	N/A	150 *	N/A	N/A	N/A	N/A	0.002	0.000	N/A	0.002
	M65	3107	Weld Shop	N/A	N/A	N/A	N/A	240 *	N/A	N/A	N/A	N/A	0.002	0.000	N/A	0.002
	M68	3675	Welding	N/A	N/A	N/A	N/A	50 *	N/A	N/A	N/A	N/A	0.000	0.000	N/A	0.000
	M69	3677	Welding	N/A	N/A	N/A	N/A	50 *	N/A	N/A	N/A	N/A	0.000	0.000	N/A	0.000
						Subtotal:					N/A	N/A	0.000	0.000	N/A	0.000
											0.000	0.000	0.005	0.000	0.000	0.005

Table D-7A. Summary of Hazardous Air Pollutant (HAP) Emissions at NWS Charleston by Pollutant

HAP Chemical/ CAS #	Source ID	Bldg Number	Source/ Material Name	SPECIFIC VOC wt %	SPECIFIC PM wt %	HAP % HAP(VOC) wt %	HAP % HAP(PM) wt %	PARENT MATERIAL INFORMATION USAGE gal/yr	DENSITY lb/gal	VOC lb/gal	HAP ACTUAL EMISSIONS VOC EMISSIONS (lb/hr)	VOC EMISSIONS (tpy)	PM EMISSIONS (lb/hr)	PM EMISSIONS (tpy)	HAP POT EMISSIONS VOC (tpy)	HAP POT EMISSIONS PM (tpy)
Xylene	S1	2	Red Enamel/Gloss Aerosol	17.0	N/A	28.6	0.0	1.3	8.50	3.57	0.004	0.000	N/A	N/A	0.004	N/A
1330207	S1	2	White Laquer Aerosol	5.0	N/A	38.2	0.0	1.3	8.10	8.24	0.003	0.000	N/A	N/A	0.003	N/A
	S2	85	GAVLON 510	4.0	N/A	23.6	0.0	200.0	9.00	3.98	0.004	0.004	N/A	N/A	0.004	N/A
	S2	85	Epoxy Coating-A	100.0	N/A	2.9	0.0	22.5	10.90	4.36	0.001	0.001	N/A	N/A	0.001	N/A
	S3	86	Ultrabase basecoat	80.0	N/A	54.7	46.0	25.0	8.80	6.45	0.034	0.035	N/A	N/A	0.035	N/A
	S3	86	Super Combo Primer/Surfacer	71.0	N/A	93.2	0.0	40.0	9.35	5.81	0.071	0.074	N/A	N/A	0.074	N/A
	S3	86	Laquer Primers/Automotive	19.0	N/A	64.0	0.0	30.0	8.00	6.00	0.011	0.011	N/A	N/A	0.011	N/A
	S3	86	Ultrabase basecoat/Auto	13.0	N/A	51.7	0.0	20.0	7.80	4.68	0.003	0.003	N/A	N/A	0.003	N/A
	S3	86	Acrylic Enamel, White	9.0	N/A	91.0	0.0	30.0	9.00	3.87	0.005	0.005	N/A	N/A	0.005	N/A
	P2	304	Safety Kleen 105 Solvent	33.3	N/A	3.0	0.0	660.0	6.50	6.50	0.033	0.021	N/A	N/A	0.021	N/A
	S10	3107	Delstar Acrylic Enamel-2	100.0	N/A	10.0	0.0	20.0	9.18	4.20	0.008	0.004	N/A	N/A	0.008	N/A
	S10	3107	Diesel Primer-Sealer	25.0	N/A	23.6	0.0	20.0	7.34	6.21	0.007	0.004	N/A	N/A	0.007	N/A
	S10	3107	Air Dry Enamel	91.0	N/A	98.0	0.0	20.0	7.98	4.47	0.077	0.040	N/A	N/A	0.080	N/A
	S10	3107	Delstar Acrylic Enamel-1	91.0	N/A	100.0	0.0	20.0	9.00	4.82	0.084	0.044	N/A	N/A	0.088	N/A
	S10	3107	Acrylic Enamel Tints	100.0	N/A	54.5	0.0	20.0	8.33	4.58	0.048	0.025	N/A	N/A	0.050	N/A
	S10	3107	CENTARI Acrylic Enamel	33.0	N/A	85.6	18.4	20.0	9.40	4.30	0.018	0.009	N/A	N/A	0.019	N/A
	S10	3107	VARIPRIME/CORLAR	31.0	N/A	84.7	16.3	20.0	9.50	4.85	0.019	0.010	N/A	N/A	0.019	N/A
	Table D-5	Various	Gas Stations	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.290	N/A	N/A	0.290	N/A
	M3	17	Commodore WP	100.0	N/A	50.0	0.0	240.0	10.01	1.07	0.198	0.084	N/A	N/A	0.208	N/A
	M3	17	Diazinon 4E	100.0	N/A	85.0	0.0	240.0	8.42	2.53	0.808	0.197	N/A	N/A	0.830	N/A
	M3	17	Dursban 4E	62.7	N/A	12.7	0.0	240.0	8.13	3.76	0.111	0.036	N/A	N/A	0.116	N/A
	M3	17	Dursban 4E	62.7	N/A	12.7	0.0	240.0	8.13	3.76	0.111	0.036	N/A	N/A	0.116	N/A
	M3	17	SMCP Dursban 4E	62.7	N/A	25.9	0.0	240.0	8.95	2.04	0.122	0.040	N/A	N/A	0.127	N/A
	M3	17	Prometone	45.5	N/A	44.0	0.0	240.0	7.78	3.89	0.287	0.093	N/A	N/A	0.299	N/A
	M3	17	SMCP Dursban 4E	62.7	N/A	25.9	0.0	240.0	8.95	2.04	0.122	0.040	N/A	N/A	0.127	N/A
	M3	17	Demon EC	100.0	N/A	49.7	0.0	240.0	7.95	7.16	1.313	0.427	N/A	N/A	1.365	N/A
	M3	17	Torus 2E	100.0	N/A	2.1	0.0	240.0	8.12	8.15	0.048	0.016	N/A	N/A	0.050	N/A
	M3	17	Tempo 2 EC	83.2	N/A	14.7	0.0	240.0	8.25	8.77	0.305	0.099	N/A	N/A	0.317	N/A
	Subtotal:										3.852	1.628	0.000	0.000	4.075	0.000
Methanol	S3	86	Super Combo Primer/Surfacer	7.1	N/A	93.2	0.0	40.0	9.4	5.81	0.007	0.007	N/A	N/A	0.007	N/A
67561	M3	17	Gencor 9% EC	100.0	N/A	33.3	0.0	240.0	7.06	7.06	0.871	0.283	N/A	N/A	0.906	N/A
	Subtotal:										0.878	0.291	0.000	0.000	0.914	0.000

Table D-7A. Summary of Hazardous Air Pollutant (HAP) Emissions at NWS Charleston by Pollutant

HAP Chemical/ CAS #	Source ID	Bldg Number	Source/ Material Name	SPECIFIC HAP %		PARENT MATERIAL INFORMATION					HAP ACTUAL EMISSIONS				HAP POT EMISSIONS	
				VOC wt %	PM wt %	HAP(VOC) wt %	HAP(PM) wt %	USAGE gal/yr	DENSITY lb/gal	VOC lb/gal	VOC EMISSIONS (lb/hr)	VOC EMISSIONS (tpy)	PM EMISSIONS (lb/hr)	PM EMISSIONS (tpy)	VOC (tpy)	PM (tpy)
Cumene	M3	17	Dursban 4E	37.3	N/A	12.7	0.0	240.0	8.13	3.78	0.066	0.021	N/A	N/A	0.089	N/A
98828	M3	17	Dursban 4E	37.3	N/A	12.7	0.0	240.0	8.13	3.78	0.066	0.021	N/A	N/A	0.089	N/A
	M3	17	SMCP Dursban 4E	37.3	N/A	25.9	0.0	240.0	8.95	2.04	0.073	0.024	N/A	N/A	0.076	N/A
	M3	17	SMCP Dursban 4E	37.3	N/A	25.9	0.0	240.0	8.95	2.04	0.073	0.024	N/A	N/A	0.076	N/A
								Subtotal:			0.277	0.090	0.000	0.000	0.288	0.000
MIBK	S3	86	Super Combo Primer/Surfacer	18.0	N/A	93.2	0.0	40.0	9.35	5.61	0.018	0.019	N/A	N/A	0.019	N/A
108101	S3	86	Lacquer Primers/Automotive	14.0	N/A	64.0	0.0	30.0	8.00	6.00	0.008	0.008	N/A	N/A	0.008	N/A
	S5	320	Zinc Dust Pig. Primer	17.0	N/A	85.7	0.0	12.0	10.00	3.50	0.012	0.003	N/A	N/A	0.012	N/A
	S10	3107	Acrylic Primer-Surfacer	14.0	N/A	53.0	0.0	20.0	10.20	6.73	0.010	0.005	N/A	N/A	0.010	N/A
	S10	3107	Diesel Primer-Sealer	50.0	N/A	23.6	0.0	20.0	7.34	6.21	0.014	0.007	N/A	N/A	0.015	N/A
	S10	3107	VARIPRIME/CORLAR	42.0	N/A	84.7	18.3	20.0	9.50	4.85	0.025	0.013	N/A	N/A	0.026	N/A
								Subtotal:			0.087	0.055	0.000	0.000	0.090	0.000
MEK	S3	86	Super Combo Primer/Surfacer	26.4	N/A	93.2	0.0	40.0	9.35	5.61	0.027	0.028	N/A	N/A	0.028	N/A
78933	S3	86	Lacquer Primers/Automotive	4.0	N/A	64.0	0.0	30.0	8.00	6.00	0.002	0.002	N/A	N/A	0.002	N/A
	S3	86	Ultrabase basecoat/Auto	32.0	N/A	51.7	0.0	20.0	7.80	4.68	0.007	0.008	N/A	N/A	0.008	N/A
	S5	320	Zinc Dust Pig. Primer	33.0	N/A	85.7	0.0	12.0	10.00	3.50	0.023	0.006	N/A	N/A	0.024	N/A
	S5	320	White Base Polyurethane	33.0	N/A	66.0	0.0	1.0	11.40	5.13	0.002	0.001	N/A	N/A	0.002	N/A
	S10	3107	Diesel Primer-Sealer	25.0	N/A	23.6	0.0	20.0	7.34	6.21	0.007	0.004	N/A	N/A	0.007	N/A
	S10	3107	Air Dry Enamel	9.0	N/A	96.0	0.0	20.0	7.98	4.47	0.008	0.004	N/A	N/A	0.008	N/A
	S10	3107	Delstar Acrylic Enamel-1	9.0	N/A	100.0	0.0	20.0	9.00	4.82	0.008	0.004	N/A	N/A	0.009	N/A
	S10	3107	CENTARI Acrylic Enamel	33.0	N/A	65.6	18.4	20.0	9.40	4.30	0.018	0.009	N/A	N/A	0.019	N/A
								Subtotal:			0.102	0.065	0.000	0.000	0.108	0.000
Lead (PM)	M15	84	Classified Waste Incinerator	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.008	0.001	N/A	0.008
7439921	M20	302	Classified Waste Incinerator	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.005	0.001	N/A	0.005
								Subtotal:			0.000	0.000	0.012	0.002	0.000	0.013
Dibutphth	S3	86	Super Combo Primer/Surfacer	7.1	N/A	93.2	0.0	40.0	9.4	5.61	0.007	0.007	N/A	N/A	0.007	N/A
84742								Subtotal:			0.007	0.007	0.000	0.000	0.007	0.000
Carbary(PM)	M3	17	Sevin	N/A	45.5	0.0	44.0	240.0	7.76	3.89	0.000	0.000	0.287	0.093	N/A	0.299
63252								Subtotal:			0.000	0.000	0.287	0.093	0.000	0.299
Zinc Cr (PM)	S10	3107	VARIPRIME/CORLAR	N/A	100.0	84.7	18.3	20.0	9.5	4.85	N/A	N/A	0.000	0.000	N/A	0.000
13530859								Subtotal:			0.000	0.000	0.000	0.000	0.000	0.000
Ethglcphen	M3	17	Prometone	45.5	N/A	44.0	0.0	240.0	7.78	3.89	0.287	0.093	N/A	N/A	0.299	N/A
8192445								Subtotal:			0.287	0.093	0.000	0.000	0.299	0.000

Table D-7A. Summary of Hazardous Air Pollutant (HAP) Emissions at NWS Charleston by Pollutant

HAP Chemical/ CAS #	Source ID	Bldg Number	Source/ Material Name	SPECIFIC HAP %		PARENT MATERIAL INFORMATION					HAP ACTUAL EMISSIONS				HAP POT EMISSIONS	
				VOC wt %	PM wt %	HAP(VOC) wt %	HAP(PM) wt %	USAGE gal/yr	DENSITY lb/gal	VOC lb/gal	VOC EMISSIONS (lb/hr)	VOC EMISSIONS (tpy)	PM EMISSIONS (lb/hr)	PM EMISSIONS (tpy)	VOC (tpy)	PM (tpy)
PbCr (PM)	S3	88	Ultrabase basecoat	N/A	100.0	54.7	46.0	25.0	8.6	6.45	N/A	N/A	0.000	0.000	N/A	0.000
18454121	S5	320	Ink Marking Stencil	N/A	100.0	50.0	25.0	1.5	8.3	4.98	N/A	N/A	0.000	0.000	N/A	0.000
	S8	419	Finish Coat, Gray	N/A	100.0	20.0	20.0	50.0	9.8	4.90	N/A	N/A	0.001	0.001	N/A	0.001
	S10	3107	CENTARI Acrylic Enamel	N/A	100.0	65.6	18.4	20.0	9.4	4.30	N/A	N/A	0.001	0.000	N/A	0.001
						Subtotal:					0.000	0.000	0.002	0.001	0.000	0.002
Eth Glyc	S5	320	White Base Polyurethane	67.0	N/A	68.0	0.0	1.0	11.4	5.13	0.004	0.001	N/A	N/A	0.005	N/A
107211						Subtotal:					0.004	0.001	0.000	0.000	0.005	0.000
Eth Benz	S1	2	White Lacquer Aerosol	4.0	N/A	38.2	0.0	1.3	8.1	6.24	0.002	0.000	N/A	N/A	0.002	N/A
100414	S3	88	Ultrabase basecoat	10.0	N/A	54.7	46.0	25.0	8.6	6.45	0.004	0.004	N/A	N/A	0.004	N/A
	S5	419	Primer Coat	100.0	N/A	2.2	0.0	50.0	9.8	6.47	0.007	0.004	N/A	N/A	0.007	N/A
	P2	304	Safety Kleen 105 Solvent	16.7	N/A	3.0	0.0	880.0	6.5	6.50	0.033	0.021	N/A	N/A	0.021	N/A
	Table D-5	Various	Gas Stations	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.014	N/A	N/A	0.014	N/A
	M3	17	Prometone	9.1	N/A	44.0	0.0	240.0	7.78	3.89	0.057	0.019	N/A	N/A	0.060	N/A
	M3	17	Tempo 2 EC	16.8	N/A	14.7	0.0	240.0	8.25	6.77	0.082	0.020	N/A	N/A	0.064	N/A
						Subtotal:					0.185	0.082	0.000	0.000	0.173	0.000
MeCl	S5	320	Spray Stencil Ink	20.0	N/A	42.7	0.0	4.5	8.3	4.83	0.004	0.001	N/A	N/A	0.004	N/A
74873	S5	320	Ink Marking Stencil	50.0	N/A	50.0	25.0	1.5	8.3	4.98	0.004	0.001	N/A	N/A	0.004	N/A
						Subtotal:					0.007	0.002	0.000	0.000	0.007	0.000
Methisocy	M3	17	Ficam D	100.0	N/A	100.0	0.0	240.0	1.99	0.02	0.007	0.002	N/A	N/A	0.008	N/A
624839						Subtotal:					0.007	0.002	0.000	0.000	0.008	0.000
							TOTAL HAP EMISSIONS:				6.186	3.144	0.327	0.099	7.239	0.340

NOTES

NA = not available
N/A = not applicable
CAS = Chemical Abstracts Services Number
VOC = volatile organic compound
PM = particulate matter
Formald = Formaldehyde
HAP = hazardous air pollutant
POT = Potential
* Welding Usage is in lb/yr

Emission Calculations for Sources without "Parent Material Information" are based upon emission factors.

These emission calculations can be found by referencing the Source ID column of this table with its corresponding Section 3 discussion.

Eth Dich = ethylene dichloride
Eth Dibr = ethylene dibromide
Ethglcphen = Ethylene glycol phenyl ether
TCE = trichloroethylene
MEK = methyl ethyl ketone
MeCl = methyl chloride
MIBK = methyl isobutyl ketone
Mn = Manganese

1,1,1-TCA = 1,1,1-Trichloroethane
Eth Benz = Ethyl Benzene
Dibutphth = Dibutylphthalate
Zinc Cr = zinc chromate
Eth Glyc = ethylene glycol
PbCr = Lead Chromate
PCE = perchloroethylene
Methisocy = methyl isocyanate

Source: Charleston NWS, 1993

TABLE D-7B. Summary of HAP at NWS Charleston by Source Category

Category Type	HAP Name	CAS Number	Control Type	HAP ACTUAL EMISSIONS VOC lb/hr	VOC tpy	PM lb/hr	PM tpy	HAP POTENTIAL EMISSIONS VOC tpy	PM tpy	Comments (Source ID)
Fuel Burning	Formaldehyde	50000	None	N/A	0.036	N/A	N/A	0.011	N/A	
Surface Coating	Toluene	108883	None	0.479	0.291	N/A	N/A	0.498	N/A	
	MEK	78933	None	0.102	0.065	N/A	N/A	0.106	N/A	
	Xylene	1330207	None	0.398	0.269	N/A	N/A	0.412	N/A	
	Methylene Chloride	74873	None	0.007	0.002	N/A	N/A	0.007	N/A	
	MIbK	108101	None	0.087	0.055	N/A	N/A	0.090	N/A	
	Lead Chromate (PbCr)	18454121	None	N/A	N/A	0.002	0.001	N/A	0.002	
	Ethylene Glycol	107211	None	0.004	0.001	N/A	N/A	0.005	N/A	
	Zinc Chromate (ZCr)	13530659	None	N/A	N/A	0.000	0.000	N/A	0.000	
	Ethylbenzene	100414	None	0.013	0.008	N/A	N/A	0.014	N/A	
	Methanol	67561	None	0.007	0.007	N/A	N/A	0.007	N/A	
	Dibutylphthalate	84742	None	0.007	0.007	N/A	N/A	0.007	N/A	
Solvent Use Processes	Xylene	1330207	None	0.033	0.021	N/A	N/A	0.021	N/A	Solvent 105 (P2)
	Ethylbenzene	100414	None	0.017	0.011	N/A	N/A	0.011	N/A	Solvent 105 (P2)
	Toluene	108883	None	0.017	0.011	N/A	N/A	0.011	N/A	Solvent 105 (P2)
	1,1,1-TCA	71556	None	0.017	0.011	N/A	N/A	0.011	N/A	Solvent 105 (P2)
	Perchloroethylene	127184	None	0.017	0.011	N/A	N/A	0.011	N/A	Solvent 105 (P2)
Gas Stations	Benzene	71432	None	N/A	0.130	N/A	N/A	0.130	N/A	
	Xylene	1330207	None	N/A	0.290	N/A	N/A	0.290	N/A	
	Toluene	108883	None	N/A	0.329	N/A	N/A	0.329	N/A	
	Ethylbenzene	100414	None	N/A	0.014	N/A	N/A	0.014	N/A	
	Eth Dich	107062	None	N/A	0.002	N/A	N/A	0.002	N/A	
	Eth Dibr	106934	None	N/A	0.000	N/A	N/A	0.000	N/A	
Misc Sources	Formaldehyde	50000	None	0.008	0.001	N/A	N/A	0.002	N/A	Furn./Incin. (M5, M15, & M20)
	Xylene	1330207	None	3.223	1.048	N/A	N/A	3.352	N/A	Pesticide Mixing (M3)
	Ethylbenzene	100414	None	0.119	0.039	N/A	N/A	0.124	N/A	Pesticide Mixing (M3)
	Ethglcphen	6192445	None	0.287	0.093	N/A	N/A	0.299	N/A	Pesticide Mixing (M3)
	Carbaryl (PM)	63252	None	N/A	N/A	0.287	0.093	N/A	0.299	Pesticide Mixing (M3)
	Cumene	98828	None	0.277	0.090	N/A	N/A	0.288	N/A	Pesticide Mixing (M3)
	Methanol	67561	None	0.871	0.283	N/A	N/A	0.908	N/A	Pesticide Mixing (M3)
	Methyl isocyanate	624839	None	0.007	0.002	N/A	N/A	0.008	N/A	Pesticide Mixing (M3)
	1,1,1-TCA	71556	None	0.154	0.004	N/A	N/A	0.160	N/A	Lab on Barge (M73)
	Manganese (PM)	7439965	None	N/A	N/A	0.001	0.001	N/A	0.001	Welding
	Nickel (PM)	7440020	None	N/A	N/A	0.019	0.001	N/A	0.020	Welding
	Chromium (PM)	7440473	none	N/A	N/A	0.005	0.000	N/A	0.005	Welding
	Lead (PM)	7439921	None	N/A	N/A	0.012	0.002	N/A	0.013	Incinerators (M15 & M20)
TOTALS:				6.166	3.144	0.327	0.099	7.239	0.340	

NOTES

NA – not available
N/A – not applicable
CAS – Chemical Abstracts Services Number
PM – particulate matter
VOC – volatile organic compound

1,1,1-TCA – 1,1,1-Trichloroethane
Ethglcphen – Ethylene glycol phenyl ether
MEK – methyl ethyl ketone
Methisocy – methyl isocyanate
MIbK – methyl isobutyl ketone
HAP – Hazardous Air Pollutant

Source: NWS Charleston, 1993

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

S.W. DECAPLANE
NAME (Please type or print)

Signature

COMMANDER
Title

24 MAY 94
Date

NAVAL ORDNANCE CENTER
Activity ATLANTIC DIVISION

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

J.C. ROBERTSON, CAPT SC, USN
NAME (Please type or print)

Signature

ACTING COMMANDER
Title

6/10/94
Date

NAVAL ORDNANCE CENTER
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

G. R. STERNER
NAME (Please type or print)

Signature

Title

6-13-94
Date

Commander
Naval Sea Systems Command
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

P.W. DRENNON
NAME (Please type or print)

Signature

ACTING
Title

6/24/94
Date

BRAC-95 CERTIFICATION FOR DATA CALL NUMBER 33

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

R. G. BRUCE
NAME (Please type or print)


Signature

COMMANDING OFFICER
Title

21 MAY 1994
Date

NAVAL WEAPONS STATION CHARLESTON
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

S. W. DELAPLANE
NAME (Please type or print)

Signature

COMMANDER
Title

8 AUG 94
Date

NAVAL ORDNANCE CENTER
Activity ATLANTIC DIVISION

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

R. SUTTON, RADM, USN
NAME (Please type or print)

Signature

COMMANDER
Title

16 AUG 94
Date

NAVAL ORDNANCE CENTER
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

G. R. STERNER
Title Commander
Naval Sea Systems Command

8/27/94
Date

Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

W. A. EARNER
NAME (Please type or print)

Signature

Title

9/1/94
Date

BRAC-95 CERTIFICATION FOR DATA CALL NUMBER 33

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

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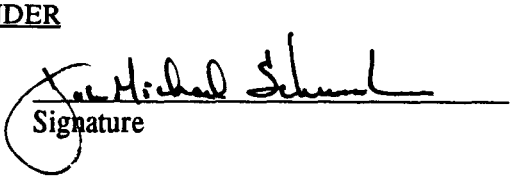
The following pages have been revised: 11, 13-20, 23, 27, and two Attachment (1) maps.

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

J. M. SCHUMACHER
NAME (Please type or print)


Signature

COMMANDING OFFICER, ACTING
Title

4 Aug 94
Date

NAVAL WEAPONS STATION CHARLESTON
Activity

102

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

S. W. DELAPLANE
NAME (Please type or print)

Signature

COMMANDER
Title

30 OCT 94
Date

NAVAL ORDNANCE CENTER
Activity ATLANTIC DIVISION

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

R. SUTTON, RADM, USN
NAME (Please type or print)

Signature

COMMANDER
Title

26 OCT 94
Date

NAVAL ORDNANCE CENTER
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

NAME (Please type or print)
G. R. STERNER

Signature

Commander
Title Naval Sea Systems Command

10-26-94
Date

Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

W. A. EARNER
NAME (Please type or print)

Signature

Title

11/1/94
Date

BRAC-95 CERTIFICATION FOR DATA CALL NUMBER 33

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

The following pages have been revised: 23

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

J. M. SCHUMACHER
NAME (Please type or print)

Signature

COMMANDING OFFICER, ACTING
Title

26 Sep 94
Date

NAVAL WEAPONS STATION CHARLESTON
Activity

102

Activity Identification: Please complete the following table, identifying the activity for which this response is being submitted.

Activity Name:	**NAVAL WEAPONS STATION CHARLESTON**
UIC:	**N00193**
Major Claimant:	**NAVAL SEA SYSTEMS COMMAND**

General Instructions/Background:

Information requested in this data call is required for use by the Base Structure Evaluation Committee (BSEC), in concert with information from other data calls, to analyze both the impact that potential closure or realignment actions would have on a local community and the impact that relocations of personnel would have on communities surrounding receiving activities. In addition to Cost of Base Realignment Actions (COBRA) analyses which incorporate standard Department of the Navy (DON) average cost factors, the BSEC will also be conducting more sophisticated economic and community infrastructure analyses requiring more precise, activity-specific data. For example, activity-specific salary rates are required to reflect differences in salary costs for activities with large concentrations of scientists and engineers and to address geographic differences in wage grade salary rates.
Questions relating to "Community Infrastructure" are required to assist the BSEC in evaluating the ability of a community to absorb additional employees and functions as the result of relocation from a closing or realigning DON activity.

Due to the varied nature of potential sources which could be used to respond to the questions contained in this data call, a block appears after each question, requesting the identification of the source of data used to respond to the question. To complete this block, identify the source of the data provided, including the appropriate references for source documents, names and organizational titles of individuals providing information, etc. Completion of this "Source of Data" block is critical since some of the information requested may be available from a non-DoD source such as a published document from the local chamber of commerce, school board, etc. Certification of data obtained from a non-DoD source is then limited to certifying that the information contained in the data call response is an accurate and complete representation of the information obtained from the source. Records must be retained by the certifying official to clearly document the source of any non-DoD information submitted for this data call.

General Instructions/Background (Continued):

The following notes are provided to further define terms and methodologies used in this data call. Please ensure that responses consistently follow this guidance:

Note 1: Throughout this data call, the term "activity" is used to refer to the DON installation that is the addressee for the data call.

Note 2: Periodically throughout this data call, questions will include the statement that the response should refer to the "area defined in response to question 1.b., (page 3)". Recognizing that in some large metropolitan areas employee residences may be scattered among many counties or states, the scope of the "area defined" may be limited to the sum of:

- those counties that contain government (DoD) housing units (as identified in 1.b.2)), and,
- those counties closest to the activity which, in the aggregate, include the residences of 80% or more of the activity's employees.

Note 3: Responses to questions referring to "civilians" in this data call should reflect federal civil service appropriated fund employees.

1. Workforce Data

1.a. Average Federal Civilian Salary Rate. Provide the projected FY 1996 average gross annual appropriated fund civil service salary rate for the activity identified as the addressee in this data call. This rate should include all cash payments to employees, and exclude non-cash personnel benefits such as employer retirement contributions, payments to former employees, etc.

Average Appropriated Fund Civilian Salary Rate:	**$29,284.18**

Source of Data (1.a. Salary Rate): **Defense Civilian Personnel Data System 7/02/94**

1.b. Location of Residence. Complete the following table to identify where employees live. Data should reflect current workforce.

1.b.1) Residency Table. Identify residency data, by county, for both military and civilian (civil service) employees working at the installation (including, for example, operational units that are homeported or stationed at the installation). For each county listed, also provide the estimated average distance from the activity, in miles, of employee residences and the estimated average length of time to commute one-way to work. For the purposes of displaying data in the table, any county(s) in which 1% or fewer of the activity's employees reside may be consolidated as a single line entry in the table, titled "Other".

County of Residence	State	No. of Employees Residing in County		Percentage of Total Employees	Average Distance From Base (Miles)	Average Duration of Commute (Minutes)
		Military	Civilian			
Charleston	**SC**	**369**	**289**	**24**	**12**	**16**
Berkeley	**SC**	**1,068**	**529**	**60**	**7**	**10**
Dorchester	**SC**	**217**	**164**	**14**	**20**	**30**
Misc	**SC**	**0**	**52**	**2**	**NA**	**NA**

= 100%

As discussed in Note 2 on Page 2, subsequent questions in the data call refer to the "area defined in response to question 1.b., (page 3)". In responding to these questions, the scope of the "area defined" may be limited to the sum of: a) those counties that contain government (DoD) housing units (as identified below), and, b) those counties closest to the activity which, in the aggregate, include the residences of 80% or more of the activity's employees.

1.b.2) Location of Government (DoD) Housing. If some employees of the base live in government housing, identify the county(s) where government housing is located:

Charleston and Berkeley Counties

Source of Data (1.b. 1) & 2) Residence Data): **Housing Manual and Area Map**

1.c. Nearest Metropolitan Area(s). Identify all major metropolitan area(s) (i.e., population concentrations of 100,000 or more people) which are within 50 miles of the installation. If no major metropolitan area is within 50 miles of the base, then identify the nearest major metropolitan area(s) (100,000 or more people) and its distance(s) from the base.

City	County	Distance from base (miles)
Charleston/North Charleston Metropolitan Statistical Area (MSA)[1]	**Berkeley, Charleston, & Dorchester**	**WPNSTA Charleston is located within the MSA**
Columbia, SC	**Richland**	**100**
Atlanta, GA	**Fulton**	**291**
Charlotte, NC	**Mecklenburg**	**210**

Source of Data (1.c. Metro Areas): **Mary Graham, Director of the Center for Business Research of the Charleston Trident Chamber of Commerce; Rand McNally Road Atlas 1992.**

[1] Comprised of three counties - Berkeley, Charleston, and Dorchester. The MSA is comprised of 25 incorporated communities with the largest being the adjacent communities of Charleston and North Charleston.

1.d. Age of Civilian Workforce. Complete the following table, identifying the age of the activity's civil service workforce.

Age Category	Number of Employees	Percentage of Employees
16 - 19 Years	**0**	**0.00**
20 - 24 Years	**7**	**0.68**
25 - 34 Years	**122**	**11.80**
35 - 44 Years	**319**	**30.85**
45 - 54 Years	**386**	**37.33**
55 - 64 Years	**194**	**18.76**
65 or Older	**6**	**0.58**
TOTAL	**1,034**	100.00%

Source of Data (1.d.) Age Data): **Defense Civilian Personnel Data System 7/02/94**

1.e. Education Level of Civilian Workforce

1.e.1) Education Level Table. Complete the following table, identifying the education level of the activity's civil service workforce.

Last School Year Completed	Number of Employees	Percentage of Employees
8th Grade or less	**9**	**0.87**
9th through 11th Grade	**95**	**9.19**
12th Grade or High School Equivalency	**617**	**59.67**
1-3 Years of College	**209**	**20.21**
4 Years of College (Bachelors Degree)	**79**	**7.64**
5 or More Years of College (Graduate Work)	**25**	**2.42**
TOTAL	**1,034**	100.0 %

1.e.2) Degrees Achieved. Complete the following table for the activity's civil service workforce. Identify the number of employees with each of the following degrees, etc. To avoid double counting, only identify the highest degree obtained by a worker (e.g., if an employee has both a Master's Degree and a Doctorate, only include the employee under the category "Doctorate").

Degree	Number of Civilian Employees
Terminal Occupation Program - Certificate of Completion, Diploma or Equivalent (for areas such as technicians, craftsmen, artisans, skilled operators, etc.)	**51**
Associate Degree	**81**
Bachelor Degree	**69**
Masters Degree	**16**
Doctorate	**0**

Source of Data (1.e.1) and 2) Education Level Data): **Defense Civilian Personnel Data System 7/02/94**

1.f. Civilian Employment By Industry. Complete the following table to identify by "industry" the type of work performed by civil service employees at the activity. The intent of this table is to attempt to stratify the activity civilian workforce using the same categories of industries used to identify private sector employment. Employees should be categorized based on their primary duties. Additional information on categorization of private sector employment by industry can be found in the Office of Management and Budget Standard Industrial Classification (SIC) Manual. However, you do not need to obtain a copy of this publication to provide the data requested in this table.

Note the following specific guidance regarding the "Industry Type" codes in the first column of the table: Even though categories listed may not perfectly match the type of work performed by civilian employees, please attempt to assign each civilian employee to one of the "Industry Types" identified in the table. However, only use the Category 6, "Public Administration" sub-categories when none of the other categories apply. Retain supporting data used to construct this table at the activity-level, in case questions arise or additional information is required at some future time. Leave shaded areas blank.

Industry	SIC Codes	No. of Civilians	% of Civilians
1. Agriculture, Forestry & Fishing	01-09	**2**	**0.19**
2. Construction (includes facility maintenance and repair)	15-17	**167**	**16.15**
3. Manufacturing (includes Intermediate and Depot level maintenance)	20-39		
3a. Fabricated Metal Products (include ordnance, ammo, etc.)	34	**72**	**6.97**
3b. Aircraft (includes engines and missiles)	3721 et al	**0**	**0.00**
3c. Ships	3731	**0**	**0.00**
3d. Other Transportation (includes ground vehicles)	various	**24**	**2.32**
3e. Other Manufacturing not included in 3a. through 3d.	various	**0**	**0.00**
Sub-Total 3a. through 3e.	20-39	**96**	**9.29**
4. Transportation/Communications/Utilities	40-49		
4a. Railroad Transportation	40	**12**	**1.16**
4b. Motor Freight Transportation & Warehousing (includes supply services)	42	**162**	**15.67**
4c. Water Transportation (includes organizational level maintenance)	44	**15**	**1.45**
4d. Air Transportation (includes organizational level maintenance)	45	**0**	**0.00**

Industry	SIC Codes	No. of Civilians	% of Civilians
4e. Other Transportation Services (includes organizational level maintenance)	47	**16**	**1.55**
4f. Communications	48	**2**	**0.19**
4g. Utilities	49	**27**	**2.61**
Sub-Total 4a. through 4g.	40-49	**234**	**22.63**
5. Services	70-89		
5a. Lodging Services	70	**0**	**0.00**
5b. Personal Services (includes laundry and funeral services)	72	**1**	**0.10**
5c. Business Services (includes mail, security guards, pest control, photography, janitorial and ADP services)	73	**92**	**8.90**
5d. Automotive Repair and Services	75	**14**	**1.35**
5e. Other Misc. Repair Services	76	**15**	**1.45**
5f. Motion Pictures	78	**2**	**0.19**
5g. Amusement and Recreation Services	79	**7**	**0.68**
5h. Health Services	80	**2**	**0.19**
5i. Legal Services	81	**1**	**0.10**
5j. Educational Services	82	**9**	**0.87**
5k. Social Services	83	**0**	**0.00**
5l. Museums	84	**0**	**0.00**
5m. Engineering, Accounting, Research & Related Services (includes RDT&E, ISE, etc.)	87	**44**	**4.26**
5n. Other Misc. Services	89	**147**	**14.22**
Sub-Total 5a. through 5n.:	70-89	**334**	**32.30**
6. Public Administration	91-97		
6a. Executive and General Government, Except Finance	91	**1**	**0.10**
6b. Justice, Public Order & Safety (includes police, firefighting and emergency management)	92	**147**	**14.22**

NAVAL WEAPONS STATION CHARLESTON (UIC 00193)
BRAC 95 - DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

Industry	SIC Codes	No. of Civilians	% of Civilians
6c. Public Finance	93	**15**	**1.45**
6d. Environmental Quality and Housing Programs	95	**38**	**3.68**
Sub-Total 6a. through 6d.	91-95	**201**	**19.44**
TOTAL		**1,034**	100.0 %

Source of Data (1.f.) Classification By Industry Data): **Defense Civilian Personnel Data System 7/02/94**

1.g. Civilian Employment by Occupation. Complete the following table to identify the types of "occupations" performed by civil service employees at the activity. Employees should be categorized based on their primary duties. Additional information on categorization of employment by occupation can be found in the Department of Labor Occupational Outlook Handbook. However, you do not need to obtain a copy of this publication to provide the data requested in this table.

Note the following specific guidance regarding the "Occupation Type" codes in the first column of the table: Even though categories listed may not perfectly match the type of work performed by civilian employees, please attempt to assign each civilian employee to one of the "Occupation Types" identified in the table. Refer to the descriptions immediately following this table for more information on the various occupational categories. Retain supporting data used to construct this table at the activity-level, in case questions arise or additional information is required at some future time. Leave shaded areas blank.

Occupation	Number of Civilian Employees	Percent of Civilian Employees
1. Executive, Administrative and Management	**168**	**16.25**
2. Professional Specialty		
2a. Engineers	**20**	**1.93**
2b. Architects and Surveyors	**1**	**0.10**
2c. Computer, Mathematical & Operations Research	**3**	**0.29**
2d. Life Scientists	**0**	**0.00**
2e. Physical Scientists	**0**	**0.00**
2f. Lawyers and Judges	**1**	**0.10**
2g. Social Scientists & Urban Planners	**0**	**0.00**
2h. Social & Recreation Workers	**0**	**0.00**
2i. Religious Workers	**0**	**0.00**
2j. Teachers, Librarians & Counselors	**0**	**0.00**
2k. Health Diagnosing Practitioners (Doctors)	**0**	**0.00**
2l. Health Assessment & Treating(Nurses, Therapists, Pharmacists, Nutritionists, etc.)	**1**	**0.10**
2m. Communications	**0**	**0.00**
2n. Visual Arts	**0**	**0.00**
Sub-Total 2a. through 2n.:	**26**	**2.52**
3. Technicians and Related Support		
3a. Health Technologists and Technicians	**0**	**0.00**
3b. Other Technologists	**29**	**2.80**

Occupation	Number of Civilian Employees	Percent of Civilian Employees
Sub-Total 3a. and 3b.:	**29**	**2.80**
4. Administrative Support & Clerical	**152**	**14.70**
5. Services		
5a. Protective Services (includes guards, firefighters, police)	**139**	**13.44**
5b. Food Preparation & Service	**0**	**0.00**
5c. Dental/Medical Assistants/Aides	**1**	**0.10**
5d. Personal Service & Building & Grounds Services (includes janitorial, grounds maintenance, child care workers)	**37**	**3.58**
Sub-Total 5a. through 5d.	**177**	**17.12**
6. Agricultural, Forestry & Fishing	**2**	**0.19**
7. Mechanics, Installers and Repairers	**166**	**16.05**
8. Construction Trades	**37**	**3.58**
9. Production Occupations	**35**	**3.39**
10. Transportation & Material Moving	**231**	**22.34**
11. Handlers, Equipment Cleaners, Helpers and Laborers (not included elsewhere)	**11**	**1.06**
TOTAL	**1,034**	100.0%

Source of Data (1.g.) Classification By Occupation Data): **Defense Civilian Personnel Data System 7/02/94**

Description of Occupational Categories used in Table 1.g. The following list identifies public and private sector occupations included in each of the major occupational categories used in the table. Refer to these examples as a guide in determining where to allocate appropriated fund civil service jobs at the activity.

1. Executive, Administrative and Management. Accountants and auditors; administrative services managers; budget analysts; construction and building inspectors; construction contractors and managers; cost estimators; education administrators; employment interviewers; engineering, science and data processing managers; financial managers; general managers and top executives; chief executives and legislators; health services managers; hotel managers and assistants; industrial production managers; inspectors and compliance officers, except construction; management analysts and consultants; marketing, advertising and public relations managers; personnel, training and labor relations specialists and managers; property and real estate managers; purchasing agents and managers; restaurant and food service managers; underwriters; wholesale and retail buyers and merchandise managers.
2. Professional Specialty. Use sub-headings provided.
3. Technicians and Related Support. Health Technologists and Technicians sub-category - self-explanatory. Other Technologists sub-category includes aircraft pilots; air traffic controllers; broadcast technicians; computer programmers; drafters; engineering technicians; library technicians; paralegals; science technicians; numerical control tool programmers.
4. Administrative Support & Clerical. Adjusters, investigators and collectors; bank tellers; clerical supervisors and managers; computer and peripheral equipment operators; credit clerks and authorizers; general office clerks; information clerks; mail clerks and messengers; material recording, scheduling, dispatching and distributing; postal clerks and mail carriers; records clerks; secretaries; stenographers and court reporters; teacher aides; telephone, telegraph and teletype operators; typists, word processors and data entry keyers.
5. Services. Use sub-headings provided.
6. Agricultural, Forestry & Fishing. Self explanatory.
7. Mechanics, Installers and Repairers.Aircraft mechanics and engine specialists; automotive body repairers; automotive mechanics; diesel mechanics; electronic equipment repairers; elevator installers and repairers; farm equipment mechanics; general maintenance mechanics; heating, air conditioning and refrigeration technicians; home appliance and power tool repairers, industrial machinery repairers; line installers and cable splicers; millwrights; mobile heavy equipment mechanics; motorcycle, boat and small engine mechanics; musical instrument repairers and tuners; vending machine servicers and repairers.
8. Construction Trades. Bricklayers and stonemasons; carpenters; carpet installers; concrete masons and terrazzo workers; drywall workers and lathers; electricians; glaziers; highway maintenance; insulation workers; painters and paperhangers; plasterers; plumbers and pipefitters; roofers; sheet metal workers; structural and reinforcing ironworkers; tilesetters.
9. Production Occupations. Assemblers; food processing occupations; inspectors, testers and graders; metalworking and plastics-working occupations; plant and systems operators, printing occupations; textile, apparel and furnishings occupations; woodworking occupations; miscellaneous production operations.
10. Transportation & Material Moving. Bus drivers; material moving equipment operators; rail transportation occupations; truck drivers; water transportation occupations.
11. Handlers, Equipment Cleaners, Helpers and Laborers (not included elsewhere). Entry level jobs not requiring significant training.

1.h. Employment of Military Spouses. Complete the following table to provide estimated information concerning military spouses who are also employed in the area defined in response to question 1.b., above. Do not fill in shaded area.

1. Percentage of Military Employees Who Are Married:	**44%***
2. Percentage of Military Spouses Who Work Outside of the Home:	**58%***
3. Break out of Spouses' Location of Employment (Total of rows 3a. through 3d. should equal 100% and reflect the number of spouses used in the calculation of the "Percentage of Spouses Who Work Outside of the Home".	
3a. Employed "On-Base" - Appropriated Fund:	**16%**
3b. Employed "On-Base" - Non-Appropriated Fund:	**32%**
3c. Employed "Off-Base" - Federal Employment:	**4%**
3d. Employed "Off-Base" - Other Than Federal Employment	**48%**

* **All tenant's data not immediately available; however, enough data collected that % shown is considered representative of actual %.**

Source of Data (1.h.) Spouse Employment Data): **Personal interviews, SF171, PARS documents**

2. Infrastructure Data. For each element of community infrastructure identified in the two tables below, rate the community's ability to accommodate the relocation of additional functions and personnel to your activity. Please complete each of the three columns listed in the table, reflecting the impact of various levels of increase (20%, 50% and 100%) in the number of personnel working at the activity (and their associated families). In ranking each category, use one of the following three ratings:

A - Growth can be accommodated with little or no adverse impact to existing community infrastructure and at little or no additional expense.

B - Growth can be accommodated, but will require some investment to improve and/or expand existing community infrastructure.

C - Growth either cannot be accommodated due to physical/environmental limitations or would require substantial investment in community infrastructure improvements.

Table 2.a., "Local Communities": This first table refers to the local community (i.e., the community in which the base is located) and its ability to meet the increased requirements of the installation.

Table 2.b., "Economic Region": This second table asks for an assessment of the infrastructure of the economic region (those counties identified in response to question 1.b., (page 3) - taken in the aggregate) and its ability to meet the needs of additional employees and their families moving into the area.

For both tables, annotate with an asterisk (*) any categories which are wholly supported on-base, i.e., are not provided by the local community. These categories should also receive an A-B-C rating. Answers for these "wholly supported on-base" categories should refer to base infrastructure rather than community infrastructure.

2.a. Table A: Ability of the local community[2] to meet the expanded needs of the base.

2.a.1) Using the A - B - C rating system described above, complete the table below.

Category	20% Increase	50% Increase	100% Increase
Off-Base Housing	A	A	A
Schools - Public	A	A	A
Schools - Private	A	A	A
Public Transportation - Roadways	A	A	A
Public Transportation - Buses/Subways	A	A	A
Public Transportation - Rail	N/A	N/A	N/A
Fire Protection	A*	A*	A*
Police	A*	A*	A*
Health Care Facilities	A	A	A
Utilities:	A	A	A
Water Supply	A	A	A
Water Distribution	A	A	A
Energy Supply	A	A	A
Energy Distribution	A	A	A
Wastewater Collection	A	A	A
Wastewater Treatment	A	A	A
Storm Water Collection	A	A	A
Solid Waste Collection and Disposal	A	A	A
Hazardous/Toxic Waste Disposal	A	A	A
Recreational Activities	A	A	A

Remember to mark with an asterisk any categories which are wholly supported on-base.

*** Fire and Police protection for base infrastructure are provided by on-site personnel. Mutual aid agreements are discussed in questions 3.d. and 3.e.3.**

2.a.2) For each rating of "C" identified in the table on the preceding page, attach a brief narrative explanation of the types and magnitude of improvements required and/or the nature of any barriers that preclude expansion.

All categories continue to have a rating of "A" as they did during the BRAC93 process. Considering the impact of closure of the Charleston Naval Shipyard and Charleston Naval Base due to BRAC93; WPNSTA Charleston, tenants, dependents, etc. could increase 100% and the net effect on the local community's infrastructure would still be negative.

Source of Data (2.a. 1) & 2) - Local Community Table): **Center for Business Research, Charleston Trident Chamber of Commerce, 6/94.**

[2] Includes cities of North Charleston and Goose Creek both of which border on WPNSTA Charleston.

2.b. Table B: Ability of the region[3] described in the response to question 1.b. (page 3) (taken in the aggregate) to meet the needs of additional employees and their families relocating into the area.

2.b.1) Using the A - B - C rating system described above, complete the table below.

Category	20% Increase	50% Increase	100% Increase
Off-Base Housing	A	A	A
Schools - Public	A	A	A
Schools - Private	A	A	A
Public Transportation - Roadways	A	A	A
Public Transportation - Buses/Subways	A	A	A
Public Transportation - Rail	N/A	N/A	N/A
Fire Protection	A*	A*	A*
Police	A*	A*	A*
Health Care Facilities	A	A	A
Utilities:	A	A	A
Water Supply	A	A	A
Water Distribution	A	A	A
Energy Supply	A	A	A
Energy Distribution	A	A	A
Wastewater Collection	A	A	A
Wastewater Treatment	A	A	A
Storm Water Collection	A	A	A
Solid Waste Collection and Disposal	A	A	A
Hazardous/Toxic Waste Disposal	A	A	A
Recreation Facilities	A	A	A

Remember to mark with an asterisk any categories which are wholly supported on-base.

*** Fire and Police protection for base infrastructure are provided by on-site personnel. Mutual aid agreements are discussed in questions 3.d. and 3.e.3.**

2.b.2) For each rating of "C" identified in the table on the preceding page, attach a brief narrative explanation of the types and magnitude of improvements required and/or the nature of any barriers that preclude expansion.

All categories continue to have a rating of "A" as they did during the BRAC93 process. Considering the impact of closure of the Charleston Naval Shipyard and Charleston Naval Base due to BRAC93; WPNSTA Charleston, tenants, dependents, etc. could increase 100% and the net effect on the region's community infrastructure would still be negative.

Source of Data (2.b. 1) & 2) - Regional Table): **Center for Business Research, Charleston Trident Chamber of Commerce, 6/94.**

[3] Comprised of Berkeley, Charleston, and Dorchester counties.

3. Public Facilities Data:

3.a. Off-Base Housing Availability. For the counties identified in the response to question 1.b. (page 3), in the aggregate, estimate the current average vacancy rate for community housing. Use current data or information identified on the latest family housing market analysis. For each of the categories listed (rental units and units for sale), combine single family homes, condominiums, townhouses, mobile homes, etc., into a single rate:

Overall Vacancy Rate:	**20%**
Rental Units available:	**6,302**[4]
Units for Sale available:	**5,670**

Source of Data (3.a. Off-Base Housing): **Greater Charleston Apartment Association. Charleston's Apartment Director, Charleston Trident Association of Realtors (MLS), Department of the Army Corps of Engineers Homeowner's Association Program (HAP), and Charleston Trident Home Builders Association.**

[4] Includes 302 MLS rental house units and 6,000 apartment units. (6,000 units includes only those in buildings with four or more units/buildings. Information on other units not available.) Mobile homes and duplex data not available.

3.b. Education.

3.b.1) Information is required on the current capacity and enrollment levels of school systems serving employees of the activity. Information should be keyed to the counties identified in the response to question 1.b. (page 3).

School District	County	Number of Schools			Enrollment		Pupil-to-Teacher Ratio		Does School District Serve Gov't Housing Units? *
		Element-ary	Middle	High	Current	Max. Capacity	Current	Max. Ratio	
Charleston County	**Charleston**	**44**	**15**	**11**	**44,124**	**46,800**	**19:1**	**Note 3**	**Yes**
Berkeley County	**Berkeley**	**19**	**8**	**8**	**28,116**	**30,000**	**18:1**	**Note 3**	**Yes**
Dorchester District II	**Dorchester**	**10**	**3**	**3**	**15,304**	**Note 1**	**20:1**	**Note 3**	**No**
Dorchester District IV	**Dorchester**	**3**	**1**	**2**	**2,556**	**Note 2**	**15:1**	**Note 3**	**No**

* Answer "Yes" in this column if the school district in question enrolls students who reside in government housing.

Note 1: **Dorchester II is close to maximum capacity, but there is no set number. Closure of the Charleston Naval Shipyard and Naval Station Charleston due to BRAC93 will have an undetermined negative impact on enrollment.**

Note 2: **Dorchester IV is not close to maximum capacity, nor does it have a maximum capacity number.**

Note 3: **The State of SC sets the maximum pupil-to-teacher ratio at 35:1.**

Source of Data (3.b.1) Education Table): Phoncons and follow-up faxes with Public Relations Offices and Superintendents' offices of each school district.

3.b.2) Are there any on-base "Section 6" Schools? If so, identify number of schools and current enrollment.

No.

Source of Data (3.b.2) On-Base Schools): **Per phoncon with Clint Hepler (NOC Indian Head, MD) and BSAT. BSAT defined a "Section 6" school as "a school administered by DOD Office of Dependent's Education vice local jurisdiction."**

3.b.3) For the counties identified in the response to question 1.b. (page 3), in the aggregate, list the names of undergraduate and graduate colleges and universities which offer certificates, Associate, Bachelor or Graduate degrees :

Charleston Southern University
The Citadel
College of Charleston
Medical University of South Carolina
Webster University
Central Wesleyan College

On Naval Base Charleston, City Colleges of Chicago and Limestone College provide courses and degree programs to military personnel.

Source of Data (3.b.3) Colleges): **Center for Business Research, Charleston Trident Chamber of Commerce, 6/94.**

3.b.4) For the counties identified in the response to question 1.b. (page 3), in the aggregate, list the names and major curriculums of vocational/technical training schools:

Trident Technical College has courses offered in the following areas: Arts & Sciences, Business Technology, Engineering Technology, Health Sciences, Hospitality & Tourism, and Industrial Technology. Associates Degrees and Certificates are awarded.

Johnson & Wales University has a vocational curriculum offering associates and bachelors degrees in the culinary arts and tourism/hospitality management

The Nielsen Electronics Institute offers associates degrees in electronics technology as well as courses in truck driver training.

Source of Data (3.b.4) Vo-tech Training): **Center for Business Research, Charleston Trident Chamber of Commerce, 6/94**

3.c. Transportation.

3.c.1) Is the activity served by public transportation?

	Yes	No
Bus:	X	
Rail:		X
Subway:		X
Ferry:		X

Source of Data (3.c.1) Transportation): **Center for Business Research, Charleston Trident Chamber of Commerce, 6/94.**

3.c.2) Identify the location of the nearest passenger railroad station (long distance rail service, not commuter service within a city) and the distance from the activity to the station.

Amtrak Station, 4565 Gaynor Avenue, North Charleston, SC. four miles from WPNSTA Charleston.

Source of Data (3.c.2) Transportation): **Charleston Area Map**

3.c.3) Identify the name and location of the nearest commercial airport (with public carriers, e.g., USAIR, United, etc.) and the distance from the activity to the airport.

Charleston International Airport, four miles from WPNSTA Charleston

Source of Data (3.c.3) Transportation): **Charleston Area Map**

3.c.4) How many carriers are available at this airport?

There are five major airlines together offering over 100 daily flights servicing the Charleston International Airport: American, Continental, Delta, US Air and United.

Source of Data (3.c.4) Transportation): **Center for Business Research, Charleston Trident Chamber of Commerce, 6/94**

3.c.5) What is the Interstate route number and distance, in miles, from the activity to the nearest Interstate highway?

.7 miles from I-526

Source of Data (3.c.5) Transportation): **Charleston Area Map**

3.c.6) Access to Base:

3.c.6)a) Describe the quality and capacity of the road systems providing access to the base, specifically during peak periods. (Include both information on the area surrounding the base and information on access to the base, e.g., numbers of gates, congestion problems, etc.)

Access to the activity is provided mainly via Red Bank Road, a two lane, all weather, paved road that widens to four and six lanes at several points. North Rhett Boulevard, a two lane all weather paved, limited access road ties into Red Bank Road approximately 1/3 of a mile from the station boundary. Red Bank Road runs generally East/West while North Rhett runs generally North/South. Red Bank Road connects to U.S. Highway 52 approximately four miles from the station boundary. The peak period capacity of Red Bank (U.S. 29) is 6,000 vehicles per hour each way.

3.c.6)b) Do access roads transit residential neighborhoods?

Yes: Red Bank Road is bordered by several subdivisions

3.c.6)c) Are there any easements that preclude expansion of the access road system?

No

3.c.6)d) Are there any man-made barriers that inhibit traffic flow (e.g., draw bridges, etc.)?

No

Source of Data (3.c.6) Transportation): **Site visits/aerial photos/area maps**

3.d. Fire Protection/Hazardous Materials Incidents. Does the activity have an agreement with the local community for fire protection or hazardous materials incidents? Explain the nature of the agreement and identify the provider of the service.

Yes. WPNSTA Charleston has a Mutual Fire Fighting Assistance agreement with Naval Station Charleston, the City of Goose Creek, Charleston Air Force Base, Hanahan, and North Charleston City fire departments. The agreement includes a mutual response to fires and/or hazardous material emergencies when requested by the senior fire official on duty.

Source of Data (3.d. Fire/Hazmat): **Mutual fire fighting assistance agreements.**

3.e. Police Protection.

3.e.1) What is the level of legislative jurisdiction held by the installation?

Exclusive, concurrent, and proprietary.

3.e.2) If there is more than one level of legislative jurisdiction for installation property, provide a brief narrative description of the areas covered by each level of legislative jurisdiction and whether there are separate agreements for local law enforcement protection.

Exclusive Jurisdiction: Exists in situations in which the federal government has received, by whatever method, all of the authority of the State to legislate within the land area in question. Normally, no reservation is made by the State except the right to serve civil or criminal process on the federal area. Such legal process usually concerns crimes or actions that occurred outside the federal property on state lands, but the individuals involved are later located in the federal area. The State may also exercise other authority over the property in question if applicable federal statutes permit it to do so. The following areas are considered in exclusive jurisdiction: WPNSTA Southside; WPNSTA Northside (areas north of Foster Creek inclusive of Big Island); WPNSTA South (area south of Goose Creek); and Quarters A, C, D, and Storm Pointe Conference Center.

Concurrent Jurisdiction: Concurrent jurisdiction is that jurisdiction where the United States authority, which would otherwise amount to exclusive legislative jurisdiction over an area, except the state has reserved to itself the right to exercise concurrently with the United States, all of the same jurisdiction: The following areas are considered in concurrent jurisdiction: Southside Housing; MenRiv Housing; Hunley Park Housing; the area from Post 7 to Foster Creek; and Marrington Plantation.

Propriety Jurisdiction: Proprietary jurisdiction applies in those instances when the Federal Government has acquired some right or title to an area in the state, but has not obtained any measure of the state's authority over the area (this does not preclude the Federal Government from exercising its other constitutional powers, i.e., protection of government property). This shall be referred to as "Proprietorial Jurisdiction." In these areas, prosecution for non-Federal, minor offenses will occur in state courts only. The following areas are considered in proprietary jurisdiction: Wharf ALPHA; Pier BRAVO; Pier CHARLIE; Pier X-RAY; TC Dock (WPNSTA South); and Finger Piers (WPNSTA South).

3.e.3) Does the activity have a specific written agreement with local law enforcement concerning the provision of local police protection?

Yes, Goose Creek Police Department Reserve Officer Agreement.

3.e.4) If agreements exist with more than one local law enforcement entity, provide a brief narrative description of whom the agreement is with and what services are covered.

N/A

3.e.5) If military law enforcement officials are routinely augmented by officials of other federal agencies (BLM, Forest Service, etc.), identify any written agreements covering such services and briefly describe the level of support received.

N/A

Source of Data (3.e. 1) - 5) - Police): **WPNSTACHASNINST 5510.26A and Goose Creek Reserve Officer Agreement.**

3.f. Utilities.

3.f.1) Does the activity have an agreement with the local community for water, refuse disposal, power or any other utility requirements? Explain the nature of the agreement and identify the provider of the service.

N62467-79-C-1852 - Berkeley County Water and Sanitation Authority provides sewer treatment for WPNSTA Northside and Eastside.

N62467-82-C-1850 - North Charleston Sewer District provides sewer treatment for WPNSTA Southside.

N62467-89-F-1817 - South Carolina Electric and Gas (SCE&G) provides electrical power for all of WPNSTA Charleston.

N62467-89-F-1806 - SCE&G provides gas for all areas of WPNSTA Charleston.

N62467-89-C-1805 - Charleston Commissioner of Public Works provides potable water for all of WPNSTA Charleston

Berkeley County Ordinance No. 91-6-16 provides for solid waste disposal and recycling.

3.f.2) Has the activity been subject to water rationing or interruption of delivery during the last five years? If so, identify time period during which rationing existed and the restrictions imposed. Were activity operations affected by these situations? If so, explain extent of impact.

--NO--

3.f.3) Has the activity been subject to any other significant disruptions in utility service, e.g., electrical "brown outs", "rolling black outs", etc., during the last five years? If so, identify time period(s) covered and extent/nature of restrictions/disruption. Were activity operations affected by these situations? If so, explain extent of impact.

--NO--

Source of Data (3.f. 1) - 3) Utilities): **Copies of the above contracts are maintained in the WPNSTA Charleston PWD's Code 091 Division.**

4. Business Profile. List the top ten employers in the geographic area defined by your response to question 1.b. (page 3), taken in the aggregate, (include your activity, if appropriate):

	Employer	Product/Service	No. of Employees
1.	**Charleston Naval Complex**	**U.S. Navy**	**26,742**
2.	**Medical Univ. of SC**	**Education/Healthcare**	**7,858**
3.	**Charleston Air Force Base**	**U.S. Air Force**	**5,918**
4.	**Charleston County School District**	**Elem./Secondary Education**	**5,150**
5.	**Berkeley County School District**	**Elem./Secondary Education**	**2,900**
6.	**Roper Hospital**	**Healthcare**	**2,178**
7.	**Westvaco Corp.**	**Manufacturing**	**2,040**
8.	**U.S. Postal Service**	**Postal Service**	**1,970**
9.	**Piggly Wiggly Carolina Co. Inc.**	**Grocery Stores**	**1,800**
10.	**Robert Bosch Corp**	**Manufacturing**	**1,800**

Source of Data (4. Business Profile): **Charleston Trident Major Employers Directory, Center for Business Research, Charleston Trident Chamber of Commerce, 12/93.**

5. Other Socio-Economic Impacts. For each of the following areas, describe other recent (past 5 years), on-going or projected economic impacts (both positive and negative) on the geographic region defined by your response to question 1.b. (page 3), in the aggregate:

5.a. Loss of Major Employers:

The major industries fueling the economy of the Charleston Trident Area Metropolitan Area include the military, the Visitor Industry, Manufacturing, the Medical Industry, and the Port of Charleston.

Total military employment (including active, civilian, and contract) in the region stands at approximately 32,000, a decrease of 41% since 1989. In October 1991 and again in March 1992, a major reduction in force occurred at the Charleston Naval Shipyard. The total Civilian layoff was 1,400 workers. Although a majority of laid-off workers were placed back into the workforce, the layoff contributed to a rise in unemployment in the region from 4.9% in October 1991 to 6.6% in March 1992. As of April 1994, the metro area's unemployment stands at 6.3%.

In June of 1993, the Base Realignment and Closure Commission voted to shutdown the Charleston Naval Station and Naval Shipyard. The facilities slated for closure employ approximately 20,000 active duty military and civilian workers with a $600 million payroll.

In addition, a major military contractor, General Dynamics, announced in November 1993, that it would cease operations at its Charleston facility March 31, 1994, laying off 325 employees. This closing has occurred. Another of the region's major employers, Du Pont, announced in October 1993, that it would shutdown one of its production lines in Berkeley County affecting 200 to 250 workers.

Other area major employer reductions include: 1-the Medical University of South Carolina, which reduced its workforce by 307 positions June 27, 1994, and has announced it may cut another 1,300 jobs over the next five years; 2-Reliance Comm/Tec Corp., a major manufacturer employing over 230 workers shutdown its plant in December 1993; and 3-Charleston Manufacturing, a 160 employee apparel manufacturer, closed its doors December 1993.

WPNSTA Charleston is also under going cutbacks, reductions, and probable reductions in force (RIFs) due to declining budgets.

Further military cutbacks will have severe economic ramifications for the economy of Berkeley, Charleston and Dorchester counties.

5.b. Introduction of New Businesses/Technologies:

A total of 10 new manufacturing companies announced new operations in the Charleston Trident region in 1991, adding some 750 jobs and more than $750 million in capital investment to the region. For 1992, capital investment totaled over $455 million while over 600 jobs were added. In 1993, more than $40 million in new and expanded capital investments were announced bringing an estimate 500 jobs to the area. These 1993 announcements include expansions by MDT Diagnostic and Westvaco Corporation. So far in 1994, the region's economic development investment announcements total nearly $18 million, bringing over 250 new jobs to the area. These developments include the relocation to our area of the corporate headquarters of Oneita Industries, Inc., a national active wear and infants wear manufacturer, and the expansion of Healthsource, Inc., a health maintenance organization with its South Carolina Headquarters in the Charleston Metro area. Coming to WPNSTA Charleston are the US Army's Strategic Mobility Logistics Base (SMLB) Program and Naval Command and Ocean Surveillance Center In-Service Engineering, East Coast Division (NISE EAST)

5.c. Natural Disasters:

Because of the region's location on the Atlantic coast, the area is susceptible to hurricane activity during the summer and early fall months. The last storm to make landfall was Hugo in September 1989. With the exception of some vegetation, a full economic recovery occurred with 12-18 months following the storm.

5.d. Overall Economic Trends:

Comprised of three counties - Berkeley, Charleston and Dorchester - the Charleston Metropolitan region is influenced heavily by four major economic sectors -- the Military, the Port of Charleston, the Visitor Industry and the Medical community. The region has experienced a 41% decline in total military employment since 1989, but has maintained overall job growth until mid-1993. During the past 12 months, the region's total civilian labor force and total employment has begun to decline since the announcement of the closing of the Charleston Naval Station and Shipyard as well as a number of layoffs at several area manufacturers.

During 1993 and 1994, the region's Visitor Industry and Port have experienced positive growth. The Medical community, centered around the Medical University of South Carolina has begun to downsize as the national health care industry begins to restructure.

One of the major concerns of the community is the replacement of military jobs with jobs of comparable earnings. Average civilian jobs in the region are only 60% of average salary levels of military civilian jobs that will be lost. The long-term economic impact of the loss of the Naval Station and Shipyard will be severe.

Source of Data (5. Other Socio/Econ): **Mary Graham, Director for the Center for Business Research, Charleston Trident Chamber of Commerce, 6/94.**

6. Other. Identify any contributions of your activity to the local community not discussed elsewhere in this response.

1. **Received awards from the Trident Chamber of Commerce for having an outstanding Business Education Partnership Program.**

2. **WPNSTA sponsors four local schools: Marrington Elementary, Marrington Middle, MENRIV Elementary, and Goose Creek High.**

3. **Received the Navy's 1992-1993 Outstanding Regional Personnel Excellence Award for the most outstanding school partnership.**

4. **Received the 1993 Berkeley County Board of Education Award for an outstanding volunteer program working with their schools (second time recipient).**

5. **During the 1993-1994 school year, WPNSTA Charleston employees volunteered over 3,000 hours of work with our partnership schools.**

6. Jointly produce a weekly television program called "Navy Kids" for our partnership schools that focuses on issues of importance to grade school age children.

7. Received the award Plaque of Commendation by the South Carolina Commission for the Blind in appreciation for significant placement efforts.

8. Actively involved in the Charleston Area Mayor's Committee on Employment of People of Disabilities; will co-chair the annual festival to be held at Northwoods Mall in October 1994.

9. Involved in a dynamic "Command Day Program" where Navy personnel donate a day every month to assist our partnership schools, local orphanage and churches, MWR and Housing with various requirements; i.e. painting, carpentry, ball field maintenance, landscaping, etc.

10 Provide Navy personnel to tutor students at our partnership schools.

11. Conduct a "S.A.F.E. (School Athletic Fitness Education) Program" at the partnership schools where Navy personnel work with the children to prepare for and encourage long-term fitness programs.

12. Recently received a plaque from the South Carolina Department of Public Safety for becoming a part of the 1993 national Safety Belt Honor Roll. The 90% plus safety belt usage represents our commitment to protect all military and civilian personnel that travel through and on the WPNSTA Charleston complex. (Article published in the April/May 1994 Cannon Ball.)

13. Natural Resources Office has an active hunting program that keeps control over the deer population on Station, thus reducing the number of deer-vehicle accidents on Station.

14. Local Scout troops also benefit from the Natural Resources program as several of the Scout's Order of the Arrow ceremonies are based on Native American Indian practices and involve the respectful use of deer bones, hair and antlers.

15. Another benefit of deer hunting is the Hide Program. Since 1985, WPNSTA Charleston has provided deer hides to the Benevolent and Protective Order of Elks (Charleston Lodge #242). The hides are sent to a tannery and given to any Veterans Administration or military hospital in the country upon request. (Article published in the April/May 1994 Cannon Ball.)

16. Provides parent classes on child raising and development to the local community.

17. Won the 1992 MWR South Carolina State Recreation Award for Outstanding Special Agency as a result of providing the highest quality Recreation/Leisure Services.

Source of Data (6. Other): **Clarke Banta, HRO, Head, EEO & Employee Development; BMCM(SW) D. Backous, Personnel Officer, Command Master Chief; Paulette Simmons, Public Affairs Editor; Wendy Davies, Child Development Center Director; Anne DuBois, Management Analyst, Code D-1; Natural Resources Office.**

DATA CALL #65 WPNSTA CHARLESTON

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

S. W. DELAPLANE
NAME (Please type or print)

Signature

DIVISION COMMANDER
Title

7/15/94.
Date

NAVAL ORDNANCE CENTER
Activity ATLANTIC DIVISION

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

J. W. EYER
NAME (Please type or print)

Signature

ACTING COMMANDER
Title

7/29/94
Date

NAVAL ORDNANCE CENTER
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

G. R. STERNER
NAME (Please type or print)

Signature

Title

8/2/94
Date

Commander
Naval Sea Systems Command
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

J. B. GREENE, JR.
NAME (Please type or print)

Signature

ACTING
Title

17 AUG 1994
Date

BRAC-95 CERTIFICATION FOR DATA CALL NUMBER 65

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

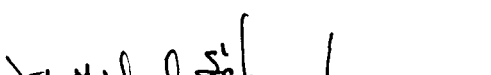
The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

J. M. SCHUMACHER
NAME (Please type or print)


Signature

COMMANDING OFFICER, ACTING
Title

8 Jul 94
Date

NAVAL WEAPONS STATION CHARLESTON
Activity