DCN 665

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DATA CALL 64
CONSTRUCTION COST AVOIDANCES

Table 2: Family Housing Construction Projects.

Installation Name:	MCLB ALBANY, GA
Unit Identification Code (UIC):	60169
Major Claimant:	HQMC

Project FY	Project No.	Description	Appn	Project Cost Avoid ($000)
96	ALH-204M2	WHR 47 UNITS	FHSG	3,251
		SUB TOTAL-1996		3,251
		GRAND TOTAL		3,251

Data Call 64

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 of print

Signature

Title

Date

Activity

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

MAJOR CLAIMANT LEVEL

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 belief.

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

NAME (Please type or print

J.A. BRABHAM
LIEUTENANT GENERAL U.S. MARINE CORPS
DEPUTY CHIEF OF STAFF FOR
INSTALLATIONS AND LOGISTICS

Signature

Title

Date 4/28/94

Document Separator

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DATA CALL 65 Activity: M67004

ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

Activity Identification: Please complete the following table, identifying the activity for which this response is being submitted.

Activity Name:	MARINE CORPS LOGISTICS BASE, ALBANY, GEORGIA
UIC:	M67004
Major Claimant:	CMC

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

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:	$32,676

Source of Data (1.a. Salary Rate):
- Basic average salary derived from Master Employee Record File (MERF), Naval Personnel Data System, June 1994
  - 1% estimated for cash awards
  - 1.6% projected FY-95 pay increase (per HQMC (MPC))
  - 2.2% projected FY-96 pay increase (per HQMC (MPC))
- Tenant Activities

1. WORKFORCE DATA, continued

b. Location of Residence. Complete the following table to identify where employees live. Data should reflect current workforce.

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 *			
Dougherty	GA	1,033	1,769	58.98	10	12
Lee	GA	2	324	8.03	25	30
Worth	GA	5	298	7.46	15	20
Colquitt	GA		165	4.06	35	45
Mitchell	GA	2	109	2.73	20	25
Turner	GA		53	1.30	40	50
Crisp	GA		47	1.16	40	50
Terrell	GA	1	43	1.08	30	40
Other (includes various states & 1% or fewer in GA counties	GA	1	210	5.20	**	**
				= 100%		

Includes Tenant activities
* Information on 12 civilian tenants unavailable
** Information not available

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.

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:

Dougherty County

Source of Data (1.b. 1) & 2) Residence Data): Navy Civilian Personnel Data System

1. WORKFORCE DATA, continued

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)
Albany, Georgia	Dougherty	0

Source of Data (1.c. Metro Areas):
Albany-Dougherty Economic Development Commission

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	19	.63%
20 - 24 Years	72	2.38%
25 - 34 Years	501	16.53%
35 - 44 Years	965	31.85%
45 - 54 Years	996	32.87%
55 - 64 Years	448	14.78%
65 or Older	29	.96%
TOTAL	3,030	100.00%

Source of Data (1.d.) Age Data): Navy Civilian Personnel Data System and Tenant Activities

1. WORKFORCE DATA, continued

e. Education Level of Civilian Workforce

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	13	.43%
9th through 11th Grade	95	3.14%
12th Grade or High School Equivalency	2,072	68.38%
1-3 Years of College	518	17.10%
4 Years of College (Bachelors Degree)	278	9.17%
5 or More Years of College (Graduate Work)	54	1.78%
TOTAL	3,030	100.00%

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.)	352
Associate Degree	140
Bachelor Degree	266
Masters Degree	37
Doctorate	3

Source of Data (1.e.1) and 2) Education Level Data): Navy Civilian Personnel Data System and Tenant Activities

1. WORKFORCE DATA, continued

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	1	0.03%
2. Construction (includes facility maintenance and repair)	15-17	125	4.13%
3. Manufacturing (includes Intermediate and Depot level maintenance)	20-39		
3a. Fabricated Metal Products (includes ordnance, ammo. etc.)	34	173	5.71%
3b. Aircraft (includes engines and missiles)	3721 et al		
3c. Ships	3731		
3d. Other Transportation (includes ground vehicles)	various		
3e. Other Manufacturing not included in 3a. through 3d.	various	620	20.46%
Sub-Total 3a. through 3e.	20-39	793	26.17%
4. Transportation/Communications/Utilities	40-49		
4a. Railroad Transportation	40	7	0.23%
4b. Motor Freight Transportation & Warehousing (includes supply services)	42	718	23.70%
4c. Water Transportation (includes organizational level maintenance)	44		
4d. Air Transportation (includes organizational level maintenance)	45		
4e. Other Transportation Services (includes organizational level maintenance)	47	60	1.98%

DATA CALL 65 Activity: M67004

ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

Industry	SIC Codes	No. of Civilians	% of Civilians
4f. Communications	48	39	1.29%
4g. Utilities	49	28	0.92%
Sub-Total 4a. through 4g.	40-49	852	28.12%
5. Services	70-89		
5a. Lodging Services	70		
5b. Personal Services (includes laundry and funeral services)	72		
5c. Business Services (includes mail, security guards, pest control, photography, janitorial and ADP services)	73	176	5.81%
5d. Automotive Repair and Services	75	14	0.46%
5e. Other Misc. Repair Services	76	9	0.30%
5f. Motion Pictures	78		
5g. Amusement and Recreation Services	79	3	0.10%
5h. Health Services	80	9	0.30%
5i. Legal Services	81	8	0.26%
5j. Educational Services	82	1	0.03%
5k. Social Services	83		
5l. Museums	84		
5m. Engineering, Accounting, Research & Related Services (includes RDT&E, ISE, etc.)	87	270	8.91%
5n. Other Misc. Services	89	83	2.74%
Sub-Total 5a. through 5n.:	70-89	573	18.91%
6. Public Administration	91-97		
6a. Executive and General Government, Except Finance	91	566	18.68%
6b. Justice, Public Order & Safety (includes police, firefighting and emergency management)	92	48	1.58%
6c. Public Finance	93	58	1.92%
6d. Environmental Quality and Housing Programs	95	14	0.46%
Sub-Total 6a. through 6d.		686	22.64%
TOTAL		3,030	100 %

Source of Data (1.f.) Classification By Industry Data):
Naval Civilian Personnel Data System and Tenant Activities

1. WORKFORCE DATA, continued

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	707	23.33%
2. Professional Specialty		
2a. Engineers	25	.83%
2b. Architects and Surveyors		
2c. Computer, Mathematical & Operations Research	56	1.85
2d. Life Scientists		
2e. Physical Scientists	2	0.07%
2f. Lawyers and Judges	3	0.10%
2g. Social Scientists & Urban Planners		
2h. Social & Recreation Workers		
2i. Religious Workers		
2j. Teachers, Librarians & Counselors	3	0.10%
2k. Health Diagnosing Practitioners (Doctors)	1	.03
2l. Health Assessment & Treating (Nurses, Therapists, Pharmacists, Nutritionists, etc.)	2	.07
2m. Communications	31	1.02%

DATA CALL 65 Activity: M67004
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

Occupation	Number of Civilian Employees	Percent of Civilian Employees
2n. Visual Arts	5	0.16%
Sub-Total 2a. through 2n.:	128	4.23%
3. Technicians and Related Support		
3a. Health Technologists and Technicians	2	0.07%
3b. Other Technologists	262	8.65%
Sub-Total 3a. and 3b.:	264	8.71%
4. Administrative Support & Clerical	472	15.58%
5. Services		
5a. Protective Services (includes guards, firefighters, police)	59	1.95%
5b. Food Preparation & Service	48	1.58%
5c. Dental/Medical Assistants/Aides	1	.03
5d. Personal Service & Building & Grounds Services (includes janitorial, grounds maintenance, child care workers)	33	1.09%
Sub-Total 5a. through 5d.	141	4.65%
6. Agricultural, Forestry & Fishing	1	0.03%
7. Mechanics, Installers and Repairers	578	19.08%
8. Construction Trades	155	5.12%
9. Production Occupations	240	7.92%
10. Transportation & Material Moving	101	3.33%
11. Handlers, Equipment Cleaners, Helpers and Laborers (not included elsewhere)	243	8.02%
TOTAL	3,030	100.00%

Source of Data (1.g.) Classification By Occupation Data):
Naval Civilian Personnel Data System and tenant activities

WORKFORCE DATA, continued

g. Civilian Employment by Occupation, continued

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.**

1. WORKFORCE DATA, continued

g. Civilian Employment by Occupation, continued

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. WORKFORCE DATA, continued

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:	62.59%
2. Percentage of Military Spouses Who Work Outside of the Home:	40.38%
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:	10.08%
3b. Employed "On-Base" - Non-Appropriated Fund:	9.30%
3c. Employed "Off-Base" - Federal Employment:	1.55%
3d. Employed "Off-Base" - Other Than Federal Employment	79.07%

Source of Data (1.h.) Spouse Employment Data): Personal Survey and Tenant Activities

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. INFRASTRUCTURE DATA, continued

a. Table A: Ability of the local community to meet the expanded needs of the base.

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	A	A	A
Fire Protection	A	A	A
Police	A	A	A
Health Care Facilities	A	A	A
Utilities:			
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.

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.

N/A

Source of Data (2.a. 1) & 2) - Local Community Table): Albany-Dougherty Economic Development Commission Community Audit of 1994.

2. INFRASTRUCTURE DATA, continued

b. Table B: Ability of the region 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.

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	A	A	A
Fire Protection	A	A	A
Police	A	A	A
Health Care Facilities	A	A	A
Utilities:			
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.

2. INFRASTRUCTURE DATA, continued

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.

N/A

Source of Data (2.b. 1) & 2) - Regional Table): Albany-Dougherty Economic Development Commission Community Audit of 1994.

3. PUBLIC FACILITIES DATA

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:

COUNTY	RENTAL UNITS	UNITS FOR SALE
Dougherty	10.6%	2.4%
Terrell	6.1%	1.1%
Lee	5.4%	1.7%
Mitchell	9.1%	2.4%
Worth	8.8%	1.3%
Tift	12.7%	1.5%
Colquitt	10.6%	1.7%
Turner	11.1%	2.5%

Source of Data (3.a. Off-Base Housing): Albany-Dougherty County Economic Development Commission, Most Recent Census 1990, Attn: Dennis Duke

3. PUBLIC FACILITIES DATA, continued

b. Education

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? *
		Elementary	Middle	High	Current	Max. Capacity	Current	Max. Ratio	
Dougherty	Dougherty	18	8	4	19,500	30,800	19/1	25/1	Yes
Lee	Lee	3	1	1	4,458	4,800	20/1	25/1	No
Colquitt	Colquitt	10	1	1	7,500	8,000	16/1	17/1	No
Worth	Worth	1	1	1	4,388	4,500	24/1	25/1	No
Terrell	Terrell	1	1	1	1,855	2,050	25/1	30/1	No
Turner	Turner	3	1	1	1,950	2,350	20/1	30/1	No
Crisp	Crisp	4	1	1	4,476	6,500	25/1	30/1	No
Mitchell-Baker	Mitchell & Baker	1	1	1	3,050	3,500	18/1	21/1	No
Pelham	Mitchell	2	1	1	1,700	2,500	17/1	20/1	No

*** Answer "Yes" in this column if the school district in question enrolls students who reside in government housing.**

Source of Data (3.b.1) Education Table): Albany-Dougherty Economic Development Commission Community Audit of 1994.

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): MCLB Public Affairs Office

3. PUBLIC FACILITIES DATA, continued

b. Education, continued

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:

- Darton College (2-yr Junior College, part of University System of Georgia), Albany, GA
- Albany State College (4-yr College, part of University System of Georgia), Albany, GA.
- Georgia Southwestern University (4-yr College, part of the University System of Georgia), Americus, GA.
- Abraham Baldwin Agricultural College (2-yr Junior College, part of the University System of Georgia), Tifton, GA.

Source of Data (3.b.3) Colleges): MCLB Base Education Office, Survey of area Colleges & Universities

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:

ALBANY TECHNICAL INSTITUTE, Albany, GA

Accounting
Air Conditioning
Auto Collision Repair
Automotive Technology
Carpentry
Child Dev. & Related Care
Computer Programming
Cosmetology
Culinary Arts
Dental Assisting
Diesel Mechanics
Drafting & Design
Electronic Technology
Environmental Horticulture
Fashion Merchandising
Information & Office Technology
Machine Tool Technology
Marketing & Management
Medical Office Assisting
Microcomputer Specialist
Practical Nursing
Printing/Graphics Technology
Radiologic Technology
Residential/Commercial Wiring
Surgical Technology
Textile Production
Welding & Joining Technology

3. PUBLIC FACILITIES DATA, continued

b. Education, continued

MEADOWS COLLEGE OF BUSINESS, Albany, GA

Accounting Technician
Computer Operations
Executive Secretary
General Secretary
Legal Secretary
Medical Receptionist/Assistant
Medical Secretary

SOUTH GEORGIA TECHNICAL INSTITUTE, Americus, GA

Accounting
Air Conditioning Technology
Automated Manufacturing Tech
Auto Collision Repair Tech
Automotive Technology
Aviation Maintenance Tech
Carpentry
Commercial Truck Driving
Computer Programming
Cosmetology
Diesel Mechanics
Drafting
Electronic Technology
Industrial Maintenance Tech
Information & Office Technology
Machine Tool Technology
Microcomputer Specialist
Practical Nursing
Upholstery
Welding & Joining Technology

BEN HILL-IRWIN TECHNICAL INSTITUTE, Fitzgerald, GA

Accounting
Air Conditioning Technology
Auto Collision Repair
Automotive Technology
Carpentry
Combination Mechanics
Cosmetology
Culinary Arts
Diesel Mechanics
Drafting Technology
Industrial Maintenance
Information & Office Technology
Machine Shop
Machine Tool Technology
Masonry
Medical Assisting
Practical Nursing
Telecommunications Tech

3. PUBLIC FACILITIES DATA, continued

b. Education, continued

MOULTRIE AREA TECHNICAL INSTITUTE, Moultrie, GA

Accounting/Data Processing	General Secretary
Administrative Secretary	Industrial Equipment Technology
Air Conditioning/Heating	Legal or Medical Secretary
Auto Body Repair	Machine Tool Technology
Automotive Mechanics	Marketing
Construction	Practical Nursing
Cosmetology	Sheet Metal
Diesel Mechanics	Welding
Drafting/Design Technology	Word Processing Specialist
Electronics Technology	

Source of Data (3.b.4) Vo-tech Training): MCLB Base Education Office Survey

c. Transportation

1) Is the activity served by public transportation?

	Yes	No
* Bus:	___	X
Rail:	___	X
Subway:	___	X
Ferry:	___	X

*** Bus transportation exists and could serve the Base if the need existed**

Source of Data (3.c.1) Transportation): Albany-Dougherty Economic Development Commission

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.

Atlanta, GA: Amtrak 170 miles

Source of Data (3.c.2) Transportation): Albany-Dougherty Economic Development Commission

3. PUBLIC FACILITIES DATA, continued

c. Transportation, continued

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.

Southwest Georgia Regional Airport, Albany, GA: 10 miles from MCLB, Albany

Source of Data (3.c.3) Transportation): Albany-Dougherty Economic Development Commission

4) How many carriers are available at this airport?

One Carrier: Atlantic Southeast Airlines, provides 15 flights daily

Source of Data (3.c.4) Transportation): Albany-Dougherty Economic Development Commission

5) What is the Interstate route number and distance, in miles, from the activity to the nearest Interstate highway?

I-75, 40 miles from MCLB Albany

Source of Data (3.c.5) Transportation): Albany-Dougherty Economic Development Commission

3. PUBLIC FACILITIES DATA, continued

c. Transportation, continued

6) Access to Base

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.)

- Georgia-Florida Parkway (U.S. Highway 19/Georgia Highway 300): Limited access highway running North/South.

- South Georgia Parkway (U.S. Highway 82): Limited Access Highway running East/West.

- Base access to these parkways is through Johnson Road to the South Georgia Parkway which then intersects with the Georgia-Florida Parkway, and Fleming Road via Mock Road to the Georgia Florida Parkway. Mock Road also will connect with the South Georgia Parkway.

b) Do access roads transit residential neighborhoods? YES

- Johnson Road enters the Rear Gate at MCLB Albany, extending approximately 1.5 miles through a residential area before intersecting with the South Georgia Parkway.

- Fleming and Mock roads connect the Main and Truck entrances of MCLB Albany to both the Georgia-Florida Parkway and the South Georgia Parkway. Mock Road extends along the border some residential neighborhoods.

c) Are there any easements that preclude expansion of the access road system?

NO. In fact, Mock Road is currently being expanded to four lanes. This widening project is progressing. Also, the Clark Avenue will further improve traffic flows at the intersection at Johnson Road at U.S. 82 (Oglethorpe) also known as South Georgia Parkway.

d) Are there any man-made barriers that inhibit traffic flow (e.g., draw bridges, etc.)?

NO

Source of Data (3.c.6) Transportation): Albany-Dougherty Economic Development Commission

3. PUBLIC FACILITIES DATA, continued

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.

The MCLB Albany Fire Department has an ongoing and well-established mutual aid agreement with the City of Albany. This same mutual aid agreement is also with six bordering counties, eight neighboring cities, and four major private industries within the City of Albany. These mutual aid agreements include both fire protection and hazardous material incidents. Directly resulting from funding shortfalls at all levels of State, County, and City governments, as well as private industries, these agencies are relying on Federal Government (MCLB Albany) for more and more assistance during emergencies.

The MCLB Albany Fire Department has become a vital part of fire protection/hazardous material response teams for the local community within a 25-mile radius of the Base.

The nature of these agreements is divided into two categories, emergency and non-emergency (logistical support) roles.

EMERGENCY SUPPORT: Respond with fire apparatus, manpower, and equipment to fires, medical, water rescues, or hazardous material incidents. This includes responding with a fire engine, rescue truck, rescue boats, and/or hazardous material response unit to any emergency in support of the local community.

NON-EMERGENCY (LOGISTICAL SUPPORT): The MCLB Albany Fire Department provides logistical support under the mutual aid agreements in the following areas:

- Training of Fire Department personnel from throughout Georgia at the MCLB Albany live-fire training facility (only such facility in South Georgia).

- Fire Prevention Training Facility (mobile school house).

3. PUBLIC FACILITIES DATA, continued

d. Fire Protection/Hazardous Materials Incidents, continued

- Testing/repair of self-contained breathing apparatus for local fire departments.

- Access to USMC resources (water buffaloes, cots, generators, USMC vehicles) under disaster conditions/emergencies.

Source of Data (3.d. Fire/Hazmat): MCLB Albany Mutual Aid Agreements with City of Albany & five other municipalities.

e. Police Protection

1) What is the level of legislative jurisdiction held by the installation?

Exclusive Federal Jurisdiction, Installation Proper.
Proprietorial, Boyett Village Housing Area and Naval Branch Medical Clinic Compound.

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.

The Marine Corps exercises Exclusive Federal Jurisdiction on the installation proper. The Boyett Village Housing Area and the Naval Branch Medical Clinic compound are considered Proprietary Jurisdiction in that the State of Georgia maintains legislative jurisdiction over these areas. A Memorandum of Law Enforcement Responsibilities exists between the Marine Corps, the City of Albany, and Dougherty County, Georgia.

3) Does the activity have a specific written agreement with local law enforcement concerning the provision of local police protection?

YES

3. PUBLIC FACILITIES DATA, continued

e. Police Protection, continued

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.

As stated in questions two and three above, a Memorandum of Law Enforcement Responsibilities exists between the Marine Corps, City of Albany, and Dougherty County, Georgia. The memorandum outlines the responsibilities of each agency, Military and Civil, pertaining to traffic enforcement and accident investigation, misdemeanor, and felony incidents to include outlining conditions which determine whether civil or military police will have the investigative lead in investigating crimes. Additionally, the memorandum outlines Hot Pursuit Policy and procedures for the serving of arrest warrants, search warrants, and civil process.

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):
- Article I, Section 8, Clause 17, of the Constitution of the United States of America
- 10 U.S.C. Section 2663
- 40 U.S.C. Section 255
- SECNAV ltr of 1 Jan 53 to the Governor of Georgia
- Transfer and Acceptance of Military Real Property from Commanding Officer, Naval Air Station, Albany, GA to Commanding General, Marine Corps Supply Center, Albany, GA, of 1 Jul 74.
- Memorandum of Understanding of LE Responsibilities on Property Comprising MCLB, Albany, GA, of 16 Dec 85

3. PUBLIC FACILITIES DATA, continued

f. Utilities

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.

YES
- Electric service to MCLB by Georgia Power Company.
- Electric service to Boyett Village Housing by City of Albany.
- Electric service to dispensary by City of Albany.
- Water service to Boyett Village Housing by City of Albany.
- Emergency water service to MCLB by City of Albany.
- Water service to dispensary by City of Albany.
- Sewage service to Boyett Village Housing by City of Albany.
- Sewage service to MCLB by City of Albany.
- Sewage service to dispensary by City of Albany.
- Gas service to Boyett Village Housing by City of Albany.
- Gas service to dispensary by City of Albany.
- Gas service to MCLB by City of Albany.
- Gas transport service to MCLB by City of Albany.
- Trash service to Boyett Village Housing by City of Albany.
- Trash service to Hill Village Housing by contractor.
- Landfill service to MCLB by Dougherty County.

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) 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): Contracts administrated by Southern Division, Naval Facilities Engineering Command, Charleston, SC

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. MCLB Albany	National Defense	4,395
2. Dougherty County Board of Education	Education	2,992
3. Phoebe Putney	Health Care	2,200
4. Procter & Gamble	Paper Products	1,550
5. Wingate-Taylormaid	Transportation	933
6. City of Albany	Public Service	948
7. Miller Brewing	Beer	621
8. M&M Mars	Candy	560
9. HCA Palmyra Med Centers	Health Care	560
10. Dougherty County	Public Service	543

Source of Data (4. Business Profile): Albany-Dougherty Economic Development Commission

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:

a. Loss of Major Employers

Torbitt & Castleman - 55 jobs
Oxford Industries - 300 jobs

b. Introduction of New Businesses/Technologies

Whitlock Packaging - 400 Jobs

c. Natural Disasters

The July 1994 flooding of the Flint River in the Albany, GA and surrounding communities has been projected to be $500 million in damages to crops, public buildings, and roadways/bridges. The cost of damages to private businesses and residences has not been determined. The economic and community infrastructure remained intact throughout the disaster. Public services to the community were uninterrupted except in the severely flooded, evacuated areas. Other flooded communities in the southwest Georgia area were without power, clean drinking water, and telephone service for several days following the disaster. The present and future capacity of the Albany, GA community has been unaffected.

d. Overall Economic Trends

Unemployment is higher than national and state averages. Albany is a designated labor surplus area. Moderate growth during the past two years can be attributed to manufacturing and trade activities.

Source of Data (5. Other Socio/Econ): Albany-Dougherty Economic Development Commission

6. OTHER. Identify any contributions of your activity to the local community not discussed elsewhere in this response.

The MCLB Albany Fire Department provides "other" contributions to the local community including:

- Annual fire apparatus pump test site (drafting facility) for all fire apparatus (pumpers) in area.

- Vehicle (rescue truck) to fill air bottles on an emergency scene. This includes both air bottles for firefighter and underwater SCUBA tanks for water rescue personnel.

- Large quantities of military Aqueous Film Forming Foam.

- Training facility for the Georgia State Fire Academy. Facilities include a smoke house, burn building (training tower), and Liquid Petroleum Gas props. These are the only facilities of this kind in South Georgia, and are used annually by hundreds of firefighters from around Georgia.

- Fire Safety Program that travels throughout the entire State of Georgia. During 1993 the MCLB Fire Department performed 123 fire safety shows in surrounding cities and counties for an estimated 25,000 people.

- Underwater search and rescue services.

- Extrication equipment (Jaws of Life) for trapped victims. Can also procure heavy duty extrication equipment from Maintenance Department if needed/ requested.

- Radiation detection equipment and expertise.

- Unlimited audiovisual training aids and equipment.

- Lighting equipment for nighttime operations.

- Assistance to City of Albany in keeping all of their fire apparatus/equipment manned during disasters.

- Drinking and/or potable water to residents of disaster areas.

- Vital communication systems (i.e., use of repeater, radios) between MCLB Albany and City of Albany.

- Large number of boats for flood evacuation/rescue operations.

6. OTHER, continued

- Interface with local fire agencies to assume joint incident command at large scale emergencies to allow large amounts of USMC resources to be utilized during an emergency/disaster.

- Aerial ladder truck (elevated master stream) for rescue operations. This is only one of three within a 60-mile radius in Southern Georgia.

- First aid (from one patient to triage mass casualty incidents) through Fire Department's emergency medical technician program of 100% of Firefighters being Emergency Medical Technician-I certified.

- Large dewatering pumps for pumping out flooded residents/businesses.

- Portable generators to provide electricity.

The Facilities and Services Division, Environmental Branch, interacts with the local community in many ways. Some of the services/interactions performed are as follows:

- Conduct Environmental Fairs and Expositions with local businesses and colleges.

- Involvement with the Local Emergency Planning Commission (LEPC) for meetings on SARA Title III Emergency Planning and Community Right-to-Know Act matters.

- Conduct briefs for local hospitals on environmental issues.

MCLB Albany provides area schools and civic organizations opportunities to visit and tour various facilities. Approximately 3,800 individuals from the surrounding community visited MCLB Albany last year.

6. OTHER, continued

Base officials actively participate with Albany community members in the Combined Federal Campaign and the United Way generating hundreds of thousands of dollars each year. We are aggressively participating in Albany's Community-Oriented Policing Program. The Base is running a local chapter of the DoD sponsored Drug Education for Youth program. And we have many volunteers who support organizations such as halfway houses for battered wives and children.

Base officials maintain voluntary membership to the Chamber of Commerce, the Economic Development Commission, the Boys Club, Boy Scouts, Rotary Club, Veterans of Foreign Wars, Kiwanis, and more.

The Base enjoys a very positive relationship with local television, newspaper, and radio media. As the largest employer in Southwest Georgia, the Base is in the news on a continuous basis.

The Command newspaper is circulated to community leaders, and relatives and friends of Base employees. It serves as an informational source of ongoing and current issues to the Albany and Dougherty County community.

MCLB Albany's Provost Marshal Office (PMO) supports the Albany Police Department by providing two military policemen as instructors for the nationally-sanctioned Drug Abuse Resistance Education (D.A.R.E) Program taught in the Dougherty County school system. These two Marines are 50% of the program's educational outreach capability and instruct approximately 2,000 students per year. Beginning in the fall of 1994, the PMO's D.A.R.E instructors will also begin teaching the Bureau of Alcohol, Tobacco and Firearms' Gang Resistance Education and Training (G.R.E.A.T.) Program as a supplement to the D.A.R.E. Program.

The PMO also supports local law enforcement agencies through cooperation with civilian law enforcement officials for the deployment of its three explosive detector dog teams. These dog teams are from the military working dog section and respond to bomb threats against civilian resources.

The Provost Marshal provides liaison as the Commanding General's representative for the purpose of effecting law enforcement and safety coordination and promoting cooperation with the City of Albany and Dougherty County by sitting on such committees as the Community-Oriented Policing Leadership Council, Mayor's Traffic Safety Council, Albany/Dougherty County Planning Commission's Transportation Technical Coordinating Committee, Seat Belt Task Force, and Neighborhood Watch. The Provost Marshal is also a member of the Georgia Chief's of Police Association.

6. OTHER, continued

MCLB Albany provided support to the local community prior to, during, and following the July 1994 record-setting flood disaster.

Examples of MCLB Albany support to the affected areas:

- Established a 24-hour Emergency Operations Center to respond to Civil Emergency flood on July 6, 1994.

- Coordinated eight response teams (consisting of 25 Marines per team) to provide immediate support as requested.

- Assisted over 1,700 people - many of these episodes were life-threatening situations.

- Filled sandbags to help prevent flooding of Albany State College, one of the Nation's Historic Black Colleges.

- Airlifted detachment to Palmyra Regional Medical Center to assist in sandbagging operations and establishing backup generators.

- Provided detachments to the James H. Gray Civic Center, Albany, GA, and the city of Leesburg, GA, to provide support in sandbagging efforts.

- Provided hourly monitors for local water level.

- Provided food service for City of Albany Police, Dougherty County Police, Georgia State Patrol troopers, and the local sheriff's department personnel.

- Provided trucks to transport relief supplies and a detachment of Marines to off-load the supplies and additional trucks to Dougherty County High School disaster relief shelter in East Albany.

- Provided three 5-ton trucks with 400 cots and a water trailer to Dougherty County Emergency Operations Center.

- Provided warehouse storage space for the Albany Red Cross's emergency supplies.

6. OTHER, continued

- Some of the items used to support flood affected areas:

	Quantity	Cost
Body Bags	100	$ 2,750
Sand Bags	21,500	19,974
Sleeping Bags *	100	7,460
Bed Blankets *	3,385	77,855
Chassis Trailer *	1	5,667
Cots *	3,605	193,156
MRE	240	13,082
Medical A/C	1	18,000
Tent	1	2,957
Containers	2	4,754
ISO Container	4	92,000
Corridor	1	8,783
Forklift	2	46,000
Water Bull	106	371,000

* Temporary Loan of Equipment - Losses are expected and costs of cleaning upon conclusion of relief effort will be required.

The above listing is not all inclusive. It is provided to show the scope of support. Final count of equipment, personnel, services, and costs incurred will not be available until conclusion of relief effort.

The affect of the flooding on MCLB's military members/families residing in the areas affected by the disaster:

- Relocated 184 active duty, retirees, and government civilian families to transient quarters, and vacant family transient quarters.

- Boyett Village Military Housing Area was prepared for evacuation.

- Navy and Marine Corps Relief Society offered counseling and financial assistance to active duty and retiree evacuees.

6. OTHER, continued

Summary: Albany, GA, was split east and west by the flooded Flint River on July 6, 1994. The main City of Albany government offices are located west of the river while MCLB Albany is located east of the river The civil authorities were overwhelmed with the suddenness of the flooding and the scope of requests for assistance from the community.

MCLB Albany was asked to provide immediate assistance to prevent additional loss of lives and property damage. More than 300 Marine and civilian personnel were assigned to the Base Emergency Operations Center.

An estimated 20,000 Albany residents were evacuated from their homes. Marines and MCLB Albany firefighters assisted more than 1,700 people from flood areas. Many of these instances were under perilous circumstances. The Command provided shelters with cots, blankets, eight motor boats with rescue crews, tents, radios, generators, chairs, flashlights, and more.

Marines participated in security operations for President Bill Clinton's visit to the flood-stricken areas and, as always, the President was ferried by Marines of HMX-1 as he took a helicopter tour to view the damage. The Base also hosted 48 law enforcement officers - housing and feeding them until they could move into facilities provided by state and county officials.

Meanwhile, a large but undetermined amount of the MCLB Albany work force volunteered to help families, friends, neighbors and strangers in the flooded Southwest Georgia communities. They filled and stacked sandbags, staffed relief centers and shelters, helped less-fortunate evacuate and remove household belongings, etc.

The river crested about 24 feet above its flood stage on Sunday, July 17, 1994. Clean-up and rebuilding efforts will continue for many months.

Source of Data (6. Other): Public Affairs Office, Facilities and Services Division, and PMO.

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

NEXT ECHELON LEVEL (if applicable)

MAJGEN J. D. STEWART
NAME (Please type or print)

Signature

COMMANDER
Title

JUL 25 1994
Date

MARCORLOGBASES, ALBANY, GA
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

Title

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.A. BRABHAM
NAME (Please type or print)

Signature

LIEUTENANT GENERAL U.S. MARINE CORPS
DEPUTY CHIEF OF STAFF FOR
INSTALLATIONS AND LOGISTICS
Title

8/12/94
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.

DATA BEING CERTIFIED Data Call Number Sixty-Five, Economic/Community Infrastructure

ACTIVITY COMMANDER

MAJGEN J. D. STEWART
NAME (Please type or print)

Signature

COMMANDING GENERAL
Title

JUL 25 1994
Date

MCLB, ALBANY, GA
Activity

DEPARTMENT OF THE NAVY
HEADQUARTERS UNITED STATES MARINE CORPS
WASHINGTON, D.C. 20380-0001

IN REPLY REFER TO:
11011
LFL/F595
7 OCT 1994

MEMORANDUM FOR THE CHAIRMAN, BASE STRUCTURE EVALUATION COMMITTEE (OASN(I&E)

Subj: DATA CALL SIXTY-SEVEN, COBRA STANDARD FACTORS

Ref: (a) VChairman BSEC memo MM-0225-F5 BSAT/MC of 25 AUG 94

Encl: (1) Fiscal Year 1996 ANNUAL COMPOSITE STANDARD RATES

1. In response to the referenced data call, the enclosure is provided as supplemental information. Our point of contact for this data call is Mr. Rich Anderson, code LFL, 696-0865.

J.A. BRABHAM
LIEUTENANT GENERAL, U.S. MARINE CORPS
DEPUTY CHIEF OF STAFF FOR
INSTALLATIONS AND LOGISTICS

BRAC-95 CERTIFICATION

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

DATA CALL: 67

ACTIVITY: U. S. Marine Corps

PAGE (S): Supplemental Page

DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

J.A. BRABHAM
LIEUTENANT GENERAL, U.S. MARINE CORPS
DEPUTY CHIEF OF STAFF FOR
INSTALLATIONS AND LOGISTICS

NAME (Please type or print)

Signature

Title

10/6/94
Date

hese composite rates reflect requirements
submitted in the FY96 NAVCOMPT BUDGET

FISCAL YEAR 1996
ANNUAL COMPOSITE STANDARD RATES
EFFECTIVE 1 OCTOBER 1995

GRADE	BASIC PAY	RETIRED PAY	BASIC ALLOWANCE FOR QUARTERS	MISCELLANEOUS EXPENSE	PERMANENT CHANGE OF STATION	INCENTIVE AND SPECIAL PAY	ANNUAL COMPOSITE STANDARD RATE (W/RETIRED PAY)
O-10	$111,747	$34,530	$0	$23,648	$2,647	$0	$172,572
O-9	$102,463	$31,661	$0	$22,165	$2,647	$0	$158,935
O-8	$92,841	$28,688	$0	$21,525	$2,647	$0	$145,700
O-7	$81,933	$25,317	$5,079	$21,367	$2,647	$0	$136,343
O-6	$69,131	$21,362	$8,952	$20,617	$2,647	$0	$122,708
O-5	$57,232	$17,685	$9,932	$18,947	$2,647	$1,634	$108,077
O-4	$47,593	$14,706	$9,055	$17,827	$2,647	$1,633	$93,460
O-3	$39,148	$12,097	$6,336	$17,327	$2,647	$1,630	$79,184
O-2	$30,438	$9,405	$5,484	$16,810	$2,647	$1,629	$66,414
O-1	$22,104	$6,830	$3,738	$15,684	$2,647	$1,629	$52,601
WO 5	$47,617	$14,714	$11,695	$17,729	$2,647	$1,629	$96,030
WO 4	$41,292	$12,759	$7,379	$17,245	$2,647	$1,693	$83,016
WO 3	$34,331	$10,608	$6,783	$16,713	$2,647	$1,673	$72,755
WO 2	$29,633	$9,157	$4,622	$16,405	$2,647	$1,719	$64,183
WO 1	$26,235	$8,107	$5,166	$16,145	$2,647	$1,696	$60,017
E 9	$38,658	$11,945	$6,878	$6,309	$1,060	$248	$65,098
E 8	$30,800	$9,517	$6,039	$5,743	$1,060	$261	$53,420
E 7	$25,814	$7,977	$5,230	$5,266	$1,060	$266	$45,613
E 6	$21,815	$6,741	$4,437	$4,966	$1,060	$263	$39,283
E 5	$17,822	$5,507	$3,587	$4,789	$1,060	$282	$33,017
E 4	$14,583	$4,506	$2,360	$4,590	$1,060	$270	$27,369
E 3	$12,455	$3,849	$1,518	$4,211	$1,060	$58	$23,151
E 2	$11,567	$3,574	$579	$3,979	$1,060	$57	$20,816
E 1	$9,860	$3,047	$345	$3,953	$1,060	$57	$18,322

BRAC-95 CERTIFICATION

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

DATA CALL: 67

ACTIVITY: U. S. MARINE CORPS

PAGE (S): SUPPLEMENTAL PAGE

BSWG REVIEW OFFICIAL

Richard L. Anderson
NAME (Please type or print)

Signature

Head, Base Structure Section
Title

6 Oct 94
Date

Document Separator

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ENVIRONMENTAL DATA CALL:
DATA CALL TO BE SUBMITTED TO
ALL NAVY/MARINE CORPS HOST ACTIVITIES
MCLB ALBANY

20 APRIL 1994

ACTIVITY: M67004

BRAC 1995 ENVIRONMENTAL DATA CALL:
All Navy/Marine Corps Host Ativities

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ACTIVITY: M67004

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.

ACTIVITY: M67004

TENANT ACTIVITY	UIC
Branch Dental Clinic	41782
Branch Medical Clinic	35298
Defense Commissary Store Agency	HQCSJU
Defense Accounting Office (DAO)	HQ0143
Defense Depot Albany, GA (DDAG)	SB3550
Defense Investigative Service (DIS)	N/A
Defense Printing Service (DPS)	N48933
Defense Reutilization & Marketing Office	ECCF
DLA Weapon System Spt Ofc (WSSO)	SL4703
I&I Staff, Det1 SUPCO 4th SUPBN	83190
I&I Staff, Det1 SUPCO 4th SUPBN (Reserve)	77004
NAVCOMTELSTA Det Albany	65201
NAVFAC Southern Region (ROICC)	N62467
Navy Audit Office	N62761
Special Training Allowance Pool	M96221
USAF MEDLOG	FM4859
U.S. Criminal Investigative Service	39276
U.S. Small Business Administration	73000
2nd Force Service Support Group (FSSG)	M95464

ACTIVITY: M67004

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.

S P E C I E S (plant or animal)	Designation (Threatened/ Endangered)	Federal/ State	Critical / Designated Habitat (Acres)	Important Habitat (acres)
example: Haliaeetus leucocephalus - bald eagle	Threatened	Federal	25	0
NONE				

Source Citation: _____

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.	YES

No endangered or threatened plants or animals were actually found on Base. However, there are significant natural communities that provide suitable habitat for a number of state or federally-protected species which could potentially occur within the boundaries of the Base. In order to perpetuate endangered and threatened species of plants and animals, these natural communities must be professionally managed to assure the continuation of favorable habitat.

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.

Information provided in Data Call 1.

ACTIVITY: M67004

1. ENDANGERED/THREATENED SPECIES AND BIOLOGICAL HABITAT

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?	YES
When was the survey conducted or when will it be conducted? 1/15/79	
What percent of the base has been surveyed?	100
What is the total acreage of jurisdictional wetlands present on your base?	168

Source Citation: U.S. Fish and Wildlife Service - Base Master Plan 1992

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.

See Attachment #1.

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? If YES, summarize the results of such modifications or constraints.

NO

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.	YES

There is no listing.

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)

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.

N/A

4. ENVIRONMENTAL FACILITIES, continued

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
RECYCLING	N/A	N/A	N/A	N/A	Collection Point only.

List any permit violations and projects to correct deficiencies or improve the facility.

NONE

4d.

Does your base own/operate a Domestic Wastewater Treatment Plant (WWTP) ?					YES *
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.

*The MCLB-owned Domestic Wastewater Treatment Plant was closed in 1990 due to inability to meet NPDES discharge parameters.

NONE

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.

An average flow of one million gallon/day (MGD) is discharged to the City of Albany Public Works Department for treatment under contract. Two permits are issued by the City to MCLB; one for domestic sewage and one for industrial waste from our pretreatment plant. The total permitted flow is 1.3 MGD and the pollutants regulated by the permit are: BOD, TSS, Oil & Grease, COD, pH, temperature, cyanide, phenol, TTO, VOC's, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, Zinc, and Toluene. The Base is in compliance with its permit and there are no current discharge violations.

4f.

Does your base operate an Industrial Waste Treatment Plant (IWTP) ?					YES
ID/Location of IWTP	Type of Treatment	Permitted Capacity	Ave Daily Discharge Rate	Maximum Capacity	Permit Status
Facility 2600	Pretreatment	450,000 Gal/Day	300,000 Gal.	432,000 GAL	CURRENT

4. ENVIRONMENTAL FACILITIES, continued

List any permit violations and projects to correct deficiencies or improve the facility.

We are in compliance with both permits, and there have been no violations within the past two years. One minor construction project exists for the improvement of the IWTP. It consists of equipment and modifications to effect a treatment process change to a sodium sulfide/ferrous sulfate process.

4g. Are there other waste treatment flows not accounted for in the previous tables? Estimate capacity and describe the system.

NONE

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.

N/A

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.

Drinking water is provided by three ground water wells. The only treatment required is chlorination and fluoridation which is performed at each well before pumping into the distribution system. The wells are permitted by the Georgia Environmental Protection Department and MCLB has had no permit violations. Water is pumped alternately from each well for a total operating rate of approximately one MGD.

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.	

MCLB holds an NPDES permit for storm water only. The permit is up for renewal in 1994 and an application has been filed. There have been no permit violations in the past 3 years. The only conditiion of the current permit is that the discharge consist of stormwater only.

4. ENVIRONMENTAL FACILITIES, continued

4l.

Does your base have bilge water discharge problem?	NO
Do you have a bilge water treatment facility?	NO

Explain:

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 operations 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 FY1997 result in additional capacity? Explain.

There are no projects which should cause a significant expansion of environmental facilities or emission rates.

4o. Do capacity limitations on any of the facilities discussed in question 4 pose a present or future limitation on base operations? Explain.

There should be no capacity limitations from existing facilities due to normal growth. Actually, industrial wastewater discharge should decrease due to reutilization of cooling water and other minimization techniques.

5. AIR POLLUTION

5a.

What is the name of the Air Quality Control Areas (AQCAs) in which the base is located? SOUTHWEST GEORGIA REGION
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: MCLB ALBANY AQCA: SOUTHWEST GA REGION

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 FY1997 budget.

5. AIR POLLUTION, continued

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	9.66	21.3	N/A	N/A	30.96
NOx	45.41	1.5	N/A	N/A	46.91
VOC	79.4	2.3	N/A	N/A	81.70
PM10	6.04	-	N/A	N/A	6.04

Source Document: All source summaries were taken from the Air Emissions Audit by Environmental Science & Engineering, Gainesville, FL, except personal automobiles, which is based upon data from Engineering Science & Engineering.

Based on MCLB permit, only three external combustion sources must be permitted. Stationary internal combustion engines under 3,000 HP are exempt.

NOTE: See Attachment 2 for list of sources and calculations.

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	-	21.3	N/A	N/A	21.3
NOx	-	1.5	N/A	N/A	1.5
VOC	53.33	2.3	N/A	N/A	55.63
PM10	3.43	-	N/A	N/A	3.43

Source Document: APPLICATION FOR AIR QUALITY PERMIT MODIFICATION PREPARED BY ENVIRONMENTAL SCIENCES & ENGINEERING, GAINESVILLE, FL.

Based on MCLB permit, only three external combustion sources must be permitted. Stationary internal combustion engines under 3,000 HP are exempt.

NOTE: See Attachment 3 for list of sources and calculations.

5. AIR POLLUTION, continued

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 FY1997 budget. Explain.

Estimated increase of 6 ton/year of PM10 from new abrasive blast facility.

5f. Are there any critical air quality regions (i.e. non-attainment areas, national parks, etc.) within 100 miles of the base?

NO

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. Is there any potential for getting ERCs?

NO

6. ENVIRONMENTAL COMPLIANCE

6a. Identify compliance costs, currently known or estimated that are required for permits or other actions required to <u>bring existing practices into compliance</u> with appropriate regulations. Do not include Installation Restoration costs that are covered in Section 7 or recurring costs included in question 6c. For the last two columns provide the two year totals for those FY's.

Program	Survey Completed?	Costs in $K to correct deficiencies					
		FY-94	FY-95	FY-96	FY-97	FY98-99	FY00-01
Air	Yes	50	50				
Hazardous Waste							
Safe Drinking Water Act	N/A	5	5	5			
PCBs	Yes*						
Other (non-PCB) Toxic Substance Control Act							
Lead Based Paint	Partial						
Radon	Yes				50		
Clean Water Act	Yes	50					
Solid Waste							
Oil Pollution Act							
USTs	Yes	250					
Other (Asbestos)	Yes	186	349	349	349	349	349
Total		541	404	354	399	349	349

*No PCB's on Base.

ACTIVITY: M67004

6. ENVIRONMENTAL COMPLIANCE

Provide a separate list of compliance projects in progress or required, with associated cost and estimated start/completion date.

NUMBER	TITLE	COST ($K)	START DATE	COMPLETION DATE
6700458611	REMOVE ASBESTOS SEVEN LOCATIONS	46	05/1/93	09/01/04
6700448072	MIXING SLAB PESTICIDE BLDG	30	12/1/93	06/01/94
6700434077	REMOVE ASBESTOS BLDG 9700 CRAWL SPACE	420	09/1/94	04/01/95
6700416725	REMOVE ASBESTOS BLDG 9700 PUBLIC SPACE	196	06/1/94	09/01/95
6700448435	INSTALL BACKFLOW PREVENTERS	420	04/1/94	12/01/95
6700472216	REMOVE ASBESTOS WAREHOUSES	353	06/1/94	09/01/95
6700471317	REPLACE OIL/WATER SEP BLDG 5400	50	10/1/93	06/01/94
6700445068	REMEDIATION OF FORMER UST SITES	250	10/1/91	03/13/95

6b. Does your base have structures containing asbestos? YES

What % of your base has been surveyed for asbestos? 83%

Are additional surveys planned? YES (IN HOUSE)

What is the estimated cost to remediate asbestos ($K) $5,044

Are asbestos survey costs based on encapsulation, removal or a combination of both?

Of the total remediation cost ($5,044), approximately $3,650 is for removal of transite siding and fire doors. Since this asbestos will likely be managed in place, approximately $1,394 remains for all other ACM removal.

146 Total Bldgs
122 Surveyed for ACM

87 w/ACM
-4 Total removal to date
83 Bldgs remain which contain some ACM

6. ENVIRONMENTAL COMPLIANCE

6c. Provide detailed cost of recurring operational (environmental) compliance costs, with funding source. **(K's)**

Funding Source	FY1992	FY1993	FY1994	FY1995	FY1996	FY1997	FY98-99	FY00-01
O&MN								
HA								
PA								
Other O&MN (specify)								
Other (specify) O&M MC	882	588	681	717	717	717	717	717
TOTAL:	882	588	681	717	717	717	717	717

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?	YES

7. INSTALLATION RESTORATION

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.

Site # or name	[1]Type Site	Groundwater Contaminated?	Extends off base?	Drinking Water Source?	Cost to Complete ($M)/Est. Compl. Date	[2]Status/Comments
1	CERCLA	Yes	No	Yes	*	Draft RI submitted
2	CERCLA	No	No	No	*	Draft RI submitted
3	CERCLA	Yes	Yes	Yes	*	Draft RI submitted
4	CERCLA	No	No	No	*	SI**
5	CERCLA	No	No	No	*	SI**
6	CERCLA	No	No	No	*	RI
7	CERCLA	No	No	No	*	SI**
8	CERCLA	No	No	No	*	RI
9	CERCLA	No	No	No	*	SI**
10	CERCLA	Yes	No	Yes	*	RI
11	CERCLA	No	No	No	*	Draft RI submitted
12	CERCLA	Yes	No	Yes	*	RI
13	CERCLA	Yes	No	Yes	*	RI
14	CERCLA & RCRA	No	No	No	*	RI
15	CERCLA	No	No	No	*	SI**
16	CERCLA	No	No	No	$.1M Complete - Long Term Monitoring	RA Complete
17	CERCLA	No	No	No	$.35M Complete	RA Complete
18	CERCLA	No	No	No	*	SI**
19	CERCLA	No	No	No	*	SI**
20	CERCLA	No	No	No	*	SI**
21	CERCLA	No	No	No	*	SI**
22	CERCLA	Yes	No	Yes	*	RI
23	RCRA	No	No	No	Closure 12/94	RI
24	RCRA	No	No	No	Closure 12/94	RI
25	CERCLA	No	No	No	*	SI**

[1] Type site: CERCLA, RCRA corrective action (CA), UST or other (explain)
[2] Status = PA, SI, RI, RD, RA, long term monitoring, etc.

Georgia Environmental Protection Division (EPD) defines <u>any</u> aquifer as a potential drinking water source.

*These sites are in the characterization stage and no estimate has been developed. ROD represents the estimated date of the record of decision. In many cases the groundwater is contaminated. Actual cleanup may take 20 to 30 years.

*These sites are screening sites only. They are not included on any schedule enforced by the EPA or Georgia EPD.

NOTE: Total cost for cleanup of all 25 PSCs is estimated at $50 million.

7. INSTALLATION RESTORATION, continued

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?	YES
Is there a groundwater treatment system planned?	YES

State scope and expected length of pump and treat operation.

Existing groundwater treatment includes a 5-well recovery system that discharges to the Industrial Wastewater Treatment Plant. It is the result of a RCRA closure for sludge drying beds. Treatment time: N/A, this is a containment system only.

Planned groundwater treatment includes three systems. All will combine in-situ bioremediation with a pump and treat system for degradation of chlorinated solvents. Potential Sources of Containment (PSCs) 1,3, and 33 are included. Treatment time: unknown.

7e.

Has a RCRA Facilities Assessment been performed for your base?	YES

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. MCLB Albany has a one-year permitted storage facility, operating under a Part B Permit with Georgia Environmental Protection Division. The facility has ten bays, each with an individual sump. Total capacity is 800 drums. The building is metal, with wire mesh siding for fire-fighting purposes. Approximate size is 4,000 sf. Limitations: No oxidizers, or "u" or "p" listed waste is stored in this facility.

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. MCLB Albany is responsible for the corrective action of a former UST site located at the Marine Corps Exchange Gas Station. The corrective action is at the 30% design phase for cleanup. The USTs have already been removed.

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?

Not to date, however no development is authorized on any potential source of contamination (PSC) under the IR Program, until approved by Georgia Environmental Division. This is a requirement under the Federal Facilities Agreement, signed by EPA, Georgia EPD, and the Department of the Navy.

7. INSTALLATION RESTORATION, continued

7k. List any other hazardous waste treatment or disposal facilities not included in question 7b. above. Include capacity, restrictions and permit conditions.

MCLB Albany operates a 5 Well Recovery System for a RCRA closure of Sludge Drying Beds, under Permit HW-050 (ST). Well capacity is 30 GPM. Building restrictions apply for the site.

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
Main Base	3,475	Albany
Boyett Housing Area	111	Albany (Remote)
Marine Canal	66	Albany (Remote)
NRMC Dispensary Bldg 9700	10	Albany (Remote)

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.)		762
Total Undeveloped (areas that are left in their natural state but are under specific environmental development constraints, i.e.: wetlands, endangered species, etc.)		Wetlands: 168
		All Others: 1,239
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		1,635
Total Undeveloped land considered to be without development constraints		1,300
Total Off-base lands held for easements/lease for specific purposes		0
Breakout of undeveloped, restricted areas. Some restricted areas may overlap:	ESQD	113
	HERF	0
	HERP	14.1
	HERO	1,156.58
	AICUZ	N/A
	Airfield Safety Criteria	N/A
	Other	0

8. LAND / AIR / WATER USE, continued

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.

40

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)
N/A					

8g. Summarize planned projects through FY 1997 requiring **new channel or berthing area** dredged depths, include location, volume and depth.

N/A

8. LAND / AIR / WATER USE, continued

8h.

Are there available designated dredge disposal areas for maintenance dredging material? List location, remaining capacity, and future limitations.	N/A
Are there available designated dredge disposal areas for new dredge material? List location, remaining capacity, and future limitations.	N/A
Are the dredged materials considered contaminated? List known contaminants.	N/A

8i. List any requirements or constraints resulting from consistency with **State Coastal Zone Management Plans**.

N/A

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.	NO

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?

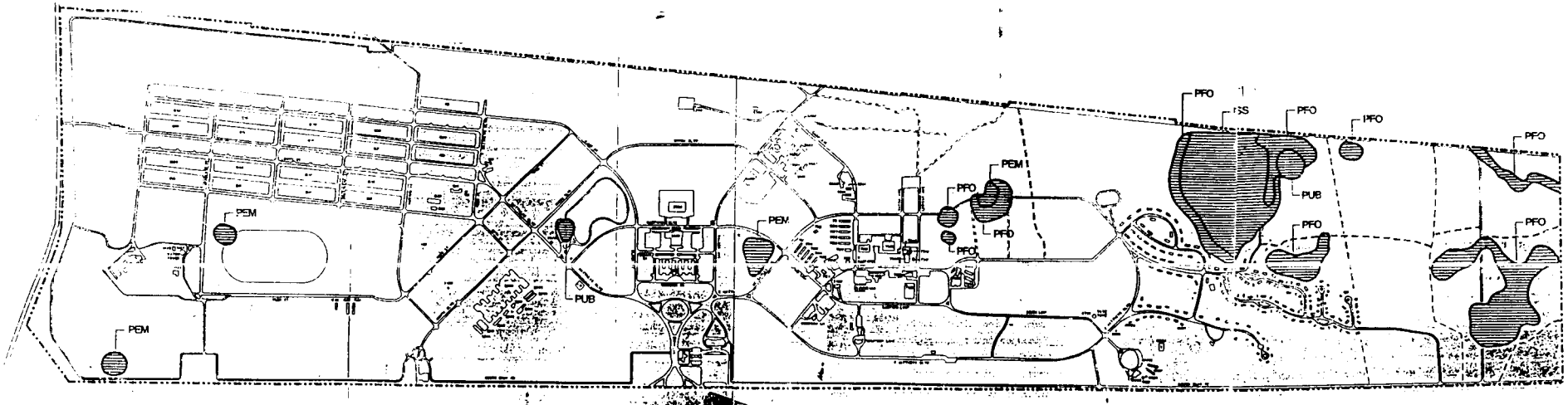
An Industrial Wastewater pre-treatment permit and domestic sewage treatment permit with City of Albany Public Works Department are required for discharge of our sewage to their Publicly Owned Treatment Works (POTW).

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



MARINE CORPS
LOGISTICS
BASE
Albany, Georgia

LEGEND

PEM	Palustrine, Emergent
PFO	Palustrine Forest
PSS	Palustrine, Scrub Shrub
PUB	Palustrine Unconsolidated Bottom

SCALE IN FEET

WETLANDS

Plate II-8W

Attachment 1

2.3 EMISSIONS SUMMARY

The detailed results of the emission calculations for all sources are contained in Appendix D. The hazardous air pollutants are depicted in Tables D-7A and D-7B by pollutant and source category, respectively. The emissions summary of criteria pollutants for the each source category and the facility as a whole are presented in Tables 2-2 and 2-3. The relationship of these emissions to the state and federal regulations is described in the following sections.

Table D-1. Emissions From Fuel Burning Equipment

Source ID	Bldg No.	Source Type	Emissions (Actual) Nitrogen Oxides (NOx) lb/hr	tpy	Sulfur Dioxide (SO2) lb/hr	tpy	Carbon Monoxide (CO) lb/hr	tpy	Particulate (PM) lb/hr	tpy	Non-methane VOC lb/hr	tpy	Emissions (Potential)* NOx tpy	SO2 tpy	CO tpy	PM tpy	NMVOC tpy
F1	1121	Furnace	0.019	0.042	0.0001	0.0002	0.004	0.008	0.001	0.002	0.001	0.002	0.083	0.0005	0.017	0.004	0.004
F1	1121	Furnace	0.019	0.042	0.0001	0.0002	0.004	0.008	0.001	0.002	0.001	0.002	0.083	0.0005	0.017	0.004	0.004
F2	1210	Boiler	0.030	0.061	0.0002	0.0004	0.006	0.012	0.002	0.003	0.002	0.003	0.107	0.0006	0.021	0.005	0.006
F3	1220	Boiler	0.169	0.267	0.0010	0.0016	0.034	0.053	0.008	0.013	0.009	0.014	0.492	0.0029	0.098	0.025	0.026
F4	1221	Boiler	0.170	0.066	0.0010	0.0005	0.034	0.017	0.008	0.004	0.009	0.005	0.494	0.0030	0.099	0.025	0.026
F5	1230	Boiler	0.169	0.334	0.0010	0.0020	0.034	0.067	0.008	0.017	0.009	0.008	0.492	0.0029	0.098	0.025	0.026
F6	1231	Boiler	0.169	0.316	0.0010	0.0019	0.034	0.063	0.008	0.016	0.009	0.008	0.492	0.0029	0.098	0.025	0.026
F7	1240	Boiler	0.169	0.482	0.0010	0.0029	0.034	0.096	0.008	0.024	0.009	0.008	0.492	0.0029	0.098	0.025	0.026
F8	1241	Boiler	0.169	0.807	0.0010	0.0048	0.034	0.161	0.008	0.013	0.009	0.014	0.492	0.0029	0.098	0.025	0.026
F9	1260	Furnace	0.052	0.053	0.0003	0.0003	0.010	0.011	0.003	0.003	0.003	0.003	0.229	0.0014	0.046	0.011	0.012
F10	1330	Boiler	0.169	0.189	0.0010	0.0011	0.034	0.038	0.008	0.009	0.009	0.010	0.492	0.0029	0.098	0.025	0.026
F11	1331	Boiler	0.169	0.189	0.0010	0.0011	0.034	0.038	0.008	0.009	0.009	0.010	0.492	0.0029	0.098	0.025	0.026
F12	1340	Boiler	0.169	0.189	0.0010	0.0011	0.034	0.038	0.008	0.009	0.009	0.010	0.492	0.0029	0.098	0.025	0.026
F13	1341	Boiler	0.169	0.179	0.0010	0.0011	0.034	0.036	0.008	0.009	0.009	0.010	0.492	0.0029	0.098	0.025	0.026
F14	1360	Boiler	0.122	0.266	0.0007	0.0016	0.024	0.053	0.006	0.013	0.006	0.014	0.191	0.0011	0.038	0.010	0.010
F15	1360	Boiler	0.122	0.266	0.0007	0.0016	0.024	0.053	0.006	0.013	0.006	0.014	0.191	0.0011	0.038	0.010	0.010
F16	2210	Boiler	2.013	1.985	0.0086	0.0085	0.503	0.496	0.072	0.071	0.046	0.040	3.790	0.0162	0.947	0.135	0.076
F16	2210	Boiler	3.426	0.163	7.2976	0.3466	0.857	0.041	0.343	0.016	0.034	0.002	4.111	8.7573	1.028	0.411	0.001
F17	2210	Boiler	2.013	1.985	0.0086	0.0085	0.503	0.496	0.072	0.071	0.046	0.043	3.790	0.0162	0.947	0.135	0.076
F17	2210	Boiler	3.426	0.831	7.2976	0.3466	0.857	0.041	0.343	0.016	0.034	0.002	4.111	8.7573	1.028	0.411	0.001
F18	2210	Boiler	2.013	1.985	0.0086	0.0085	0.503	0.496	0.072	0.071	0.046	0.040	3.790	0.0162	0.947	0.135	0.076
F18	2210	Boiler	3.426	0.831	7.2976	0.3466	0.857	0.041	0.343	0.016	0.034	0.002	4.111	8.7573	1.028	0.411	0.001
F19	2210	Boiler	0.750	0.866	1.6538	1.9139	0.188	0.217	2.286	2.647	0.038	0.043	0.866	1.9139	0.217	2.647	0.043
F20	3010	Boiler	0.046	0.001	0.0003	0.0000	0.009	0.000	0.002	0.000	0.002	0.000	0.122	0.0007	0.024	0.006	0.006
F21	3500	Boiler	0.030	0.029	0.0002	0.0002	0.006	0.006	0.001	0.001	0.002	0.002	0.204	0.0012	0.041	0.010	0.011
F22	3500	Boiler	0.030	0.029	0.0002	0.0002	0.006	0.006	0.001	0.001	0.002	0.002	0.204	0.0012	0.041	0.010	0.011
F23	3600	Boiler	0.044	0.018	0.0003	0.0001	0.009	0.004	0.002	0.001	0.002	0.001	0.382	0.0023	0.076	0.019	0.020
F24	3700	Boiler	0.005	0.006	0.0000	0.0000	0.001	0.001	0.000	0.000	0.000	0.000	0.023	0.0001	0.005	0.001	0.001
F25	5400	Steam Gen.	0.071	0.020	0.0004	0.0001	0.014	0.004	0.004	0.001	0.004	0.001	0.313	0.0019	0.063	0.016	0.017
F26	5400	Boiler	0.086	0.159	0.0005	0.0010	0.018	0.032	0.004	0.008	0.005	0.008	0.338	0.0020	0.068	0.017	0.018
F27	5502	Boiler	0.175	0.108	0.0011	0.0006	0.035	0.022	0.009	0.005	0.009	0.006	0.382	0.0023	0.076	0.019	0.020
F28	5580	Boiler	0.073	0.002	0.0004	0.0000	0.015	0.000	0.004	0.000	0.004	0.000	0.256	0.0015	0.051	0.013	0.014
F29	7100	Boiler	0.399	0.070	0.0024	0.0004	0.080	0.014	0.020	0.004	0.021	0.004	0.383	0.0023	0.077	0.019	0.020
F30	7112	Boiler	0.077	0.092	0.0005	0.0006	0.015	0.018	0.004	0.005	0.004	0.005	0.230	0.0014	0.046	0.012	0.012
F31	7113	Boiler	0.077	0.091	0.0005	0.0005	0.015	0.018	0.004	0.004	0.004	0.004	0.230	0.0014	0.046	0.012	0.012
F32	7114	Boiler	0.083	0.111	0.0004	0.0007	0.013	0.022	0.003	0.006	0.003	0.006	0.320	0.0019	0.064	0.016	0.017
F33	7115	Boiler	0.046	0.068	0.0003	0.0005	0.009	0.018	0.002	0.004	0.002	0.005	0.230	0.0014	0.046	0.012	0.012
F34	7120	Boiler	0.057	0.001	0.0003	0.0000	0.011	0.000	0.003	0.000	0.003	0.000	0.248	0.0015	0.050	0.012	0.013
F35	7122	Boiler	0.036	0.082	0.0002	0.0005	0.008	0.016	0.002	0.004	0.002	0.004	0.165	0.0010	0.033	0.008	0.009
F36	7200	Boiler	0.016	0.002	0.0001	0.0000	0.003	0.000	0.001	0.000	0.001	0.000	0.197	0.0012	0.039	0.010	0.010
F37	7250	Boiler	0.004	0.001	0.0000	0.0000	0.001	0.000	0.000	0.000	0.000	0.000	0.054	0.0003	0.011	0.003	0.003
F38	7382	Boiler	0.086	0.032	0.0005	0.0002	0.017	0.006	0.004	0.002	0.005	0.002	0.375	0.0023	0.075	0.019	0.020
F39	7400	Boiler	0.085	0.025	0.0005	0.0001	0.017	0.005	0.004	0.001	0.005	0.001	0.374	0.0022	0.075	0.019	0.020
F40	7450	Boiler	0.041	0.012	0.0002	0.0001	0.008	0.002	0.002	0.001	0.002	0.001	0.158	0.0009	0.032	0.008	0.008
F41	7500	Boiler	0.021	0.006	0.0001	0.0000	0.004	0.001	0.001	0.000	0.001	0.000	0.077	0.0005	0.015	0.004	0.004
F42	7501	Boiler	0.031	0.013	0.0002	0.0001	0.006	0.003	0.002	0.001	0.002	0.001	0.138	0.0008	0.028	0.007	0.007
F43	7520	Boiler	0.003	0.000	0.0000	0.0000	0.001	0.000	0.000	0.000	0.000	0.000	0.038	0.0002	0.008	0.002	0.002
F44	7960	Boiler	0.019	0.003	0.0001	0.0000	0.004	0.001	0.001	0.000	0.001	0.000	0.122	0.0007	0.024	0.006	0.006
F45	10200	Boiler	0.008	0.003	0.0000	0.0000	0.002	0.001	0.000	0.000	0.000	0.000	0.094	0.0006	0.019	0.005	0.005
F46	10201	Boiler	0.024	0.104	0.0001	0.0006	0.005	0.021	0.001	0.005	0.001	0.006	0.104	0.0006	0.021	0.005	0.006
F47	10202	Boiler	0.073	0.317	0.0004	0.0019	0.015	0.063	0.004	0.016	0.004	0.017	0.316	0.0019	0.064	0.016	0.017
F48	1121	Water Heater	0.015	0.065	0.00009	0.0004	0.003	0.013	0.0007	0.003	0.0008	0.003	0.065	0.0004	0.013	0.003	0.003
F49	1220	Water Heater	0.015	0.067	0.00009	0.0004	0.003	0.013	0.0008	0.003	0.0008	0.004	0.067	0.0004	0.013	0.003	0.004
F50	1230	Water Heater	0.038	0.166	0.00023	0.0010	0.008	0.033	0.0019	0.008	0.0020	0.009	0.166	0.0010	0.033	0.008	0.009
F51	1231	Water Heater	0.004	0.017	0.00002	0.0001	0.001	0.003	0.0002	0.001	0.0002	0.001	0.017	0.0001	0.003	0.001	0.001

Table D-1. Emissions From Fuel Burning Equipment

Source ID	Bldg No.	Source Type	Emissions (Actual) Nitrogen Oxides (NOx) lb/hr	tpy	Sulfur Dioxide (SO2) lb/hr	tpy	Carbon Monoxide (CO) lb/hr	tpy	Particulate (PM) lb/hr	tpy	Non-methane VOC lb/hr	tpy	Emissions (Potential)* NOx tpy	SO2 tpy	CO tpy	PM tpy	NMVOC tpy
F1	1121	Furnace	0.019	0.042	0.0001	0.0002	0.004	0.008	0.001	0.002	0.001	0.002	0.083	0.0005	0.017	0.004	0.004
F52	1240	Water Heater	0.015	0.067	0.00009	0.0004	0.003	0.013	0.0008	0.003	0.0008	0.004	0.067	0.0004	0.013	0.003	0.004
F53	1241	Water Heater	0.015	0.067	0.00009	0.0004	0.003	0.013	0.0008	0.003	0.0008	0.004	0.067	0.0004	0.013	0.003	0.004
F54	1250	Water Heater	0.015	0.067	0.00009	0.0004	0.003	0.013	0.0008	0.003	0.0008	0.004	0.067	0.0004	0.013	0.003	0.004
F55	1251	Water Heater	0.005	0.021	0.00003	0.0001	0.001	0.004	0.0002	0.001	0.0003	0.001	0.021	0.0001	0.004	0.001	0.001
F56	1260	Water Heater	0.010	0.042	0.00006	0.0002	0.002	0.008	0.0005	0.002	0.0005	0.002	0.042	0.0002	0.008	0.002	0.002
F57	1261	Water Heater	0.015	0.067	0.00009	0.0004	0.003	0.013	0.0008	0.003	0.0008	0.004	0.067	0.0004	0.013	0.003	0.004
F58	1330	Water Heater	0.018	0.077	0.00011	0.0005	0.004	0.015	0.0009	0.004	0.0009	0.004	0.077	0.0005	0.015	0.004	0.004
F59	1331	Water Heater	0.015	0.065	0.00009	0.0004	0.003	0.013	0.0007	0.003	0.0008	0.003	0.065	0.0004	0.013	0.003	0.003
F60	1340	Water Heater	0.004	0.018	0.00002	0.0001	0.001	0.004	0.0002	0.001	0.0002	0.001	0.018	0.0001	0.004	0.001	0.001
F61	1341	Water Heater	0.018	0.077	0.00011	0.0005	0.004	0.015	0.0009	0.004	0.0009	0.004	0.077	0.0005	0.015	0.004	0.004
F62	1350	Water Heater	0.005	0.021	0.00003	0.0001	0.001	0.004	0.0002	0.001	0.0003	0.001	0.021	0.0001	0.004	0.001	0.001
F63	1351	Water Heater	0.005	0.022	0.00003	0.0001	0.001	0.004	0.0002	0.001	0.0003	0.001	0.022	0.0001	0.004	0.001	0.001
F64	1360	Water Heater	0.007	0.031	0.00004	0.0002	0.001	0.006	0.0004	0.002	0.0004	0.002	0.031	0.0002	0.006	0.002	0.002
F65	1361	Water Heater	0.004	0.018	0.00002	0.0001	0.001	0.003	0.0002	0.001	0.0002	0.001	0.018	0.0001	0.003	0.001	0.001
F66	5400	Water Heater	0.017	0.075	0.00010	0.0004	0.003	0.015	0.0009	0.004	0.0009	0.004	0.075	0.0004	0.015	0.004	0.004
F67	5580	Water Heater	0.015	0.065	0.00009	0.0004	0.003	0.013	0.0007	0.003	0.0008	0.003	0.065	0.0004	0.013	0.003	0.003
F68	7102	Water Heater	0.027	0.118	0.00016	0.0007	0.005	0.023	0.0013	0.006	0.0014	0.006	0.118	0.0007	0.023	0.006	0.006
F69	7106	Water Heater	0.027	0.118	0.00016	0.0007	0.005	0.023	0.0013	0.006	0.0014	0.006	0.118	0.0007	0.023	0.006	0.006
F70	7108	Water Heater	0.027	0.118	0.00016	0.0007	0.005	0.023	0.0013	0.006	0.0014	0.006	0.118	0.0007	0.023	0.006	0.006
F71	7110	Water Heater	0.027	0.118	0.00016	0.0007	0.005	0.023	0.0013	0.006	0.0014	0.006	0.118	0.0007	0.023	0.006	0.006
F72	7113	Water Heater	0.048	0.208	0.00029	0.0012	0.010	0.042	0.0024	0.010	0.0025	0.011	0.208	0.0012	0.042	0.010	0.011
F73	7115	Water Heater	0.048	0.208	0.00029	0.0012	0.010	0.042	0.0024	0.010	0.0025	0.011	0.208	0.0012	0.042	0.010	0.011
F74	7500	Water Heater	0.095	0.016	0.00057	0.0001	0.019	0.003	0.0048	0.001	0.0050	0.001	0.018	0.0001	0.003	0.001	0.001
F75	7501	Water Heater	0.013	0.058	0.00008	0.0003	0.003	0.012	0.0007	0.003	0.0007	0.003	0.058	0.0003	0.012	0.003	0.003
F76	7520	Water Heater	0.038	0.166	0.00023	0.0010	0.008	0.033	0.0019	0.008	0.0020	0.009	0.166	0.0010	0.033	0.008	0.009
F77	7964	Water Heater	0.013	0.058	0.00008	0.0003	0.003	0.012	0.0007	0.003	0.0007	0.003	0.058	0.0003	0.012	0.003	0.003
F78	7966	Water Heater	0.013	0.058	0.00008	0.0003	0.003	0.012	0.0007	0.003	0.0007	0.003	0.058	0.0003	0.012	0.003	0.003
TOTAL EMISSIONS			21.46	16.14	23.60	3.02	5.15	3.33	3.75	3.95	0.52	0.50	27.35	28.27	8.13	5.26	0.67

NOTES

All sources use natural gas (MMcf/yr) as a primary fuel except...
Sources F16, F17, and F18 presently have the capability to fire oil (thousand gal/yr) as a backup fuel.
Source F19 fires waste oil (thousand gal/yr). This boiler is in the process of obtaining the necessary construction and operating permits from the state.
Steam Gen = steam generator
N/A = not applicable
* Potential Emissions Based on Permit Limitations or 8760 hrs/yr when not restricted by Permit.
VOC = Volatile Organic Compounds

Source: MCLB, 1991; EPA, 1985; ESE, 1991

16.14
3.02
3.33
3.95
.50
26.94

Table D-2. Emissions From Stationary Internal Combustion Sources

Source ID	Bldg No.	Source Type	Emissions (Actual) Nitrogen Oxides (NOx) lb/hr	tpy	Sulfur Dioxide (SO2) lb/hr	tpy	Carbon Monoxide (CO) lb/hr	tpy	Particulate (PM) lb/hr	tpy	Volatile Organics (VOC) lb/hr	tpy	Emissions (Potential)* NOx tpy	SO2 tpy	CO tpy	PM tpy	VOC tpy
E1	1121	Generator	10.35	0.124	0.688	0.008	2.236	0.027	0.738	0.009	0.826	0.010	45.344	3.015	9.792	3.232	3.618
E2	1360	Generator	19.05	0.165	1.267	0.011	4.114	0.036	1.358	0.012	1.520	0.013	83.432	5.547	18.018	5.947	6.657
E3	1360	Generator	19.05	0.165	1.267	0.011	4.114	0.036	1.358	0.012	1.520	0.013	83.432	5.547	18.018	5.947	6.657
E4	1360	Generator	19.05	0.165	1.267	0.011	4.114	0.036	1.358	0.012	1.520	0.013	83.432	5.547	18.018	5.947	6.657
E5	1462	Engine	6.21	0.037	0.413	0.002	1.341	0.008	0.443	0.003	0.496	0.003	27.206	1.809	5.875	1.939	2.171
E6	3500	Generator	1.66	0.005	0.110	0.000	0.358	0.001	0.118	0.000	0.132	0.000	7.255	0.482	1.567	0.517	0.579
E7	3504	Generator	12.42	0.149	0.826	0.010	2.683	0.032	0.885	0.011	0.991	0.012	54.412	3.618	11.751	3.878	4.341
E8	3505	Generator	26.92	0.323	1.790	0.021	5.813	0.070	1.919	0.023	2.148	0.026	117.893	7.839	25.460	8.403	9.406
E9	3700	Generator	8.28	0.025	0.551	0.002	1.789	0.005	0.590	0.002	0.661	0.002	36.275	2.412	7.834	2.586	2.894
E10	4500	Engine	6.21	0.019	0.413	0.001	1.341	0.004	0.443	0.001	0.496	0.001	27.206	1.809	5.875	1.939	2.171
E11	10100	Engine	6.21	0.019	0.413	0.001	1.341	0.004	0.443	0.001	0.496	0.001	27.206	1.809	5.875	1.939	2.171
E12	2200	EGT	37.06	4.633	2.464	0.308	8.004	1.000	2.642	0.330	2.957	0.370	162.330	10.793	35.056	11.570	12.952
E13	2200	EGT	37.06	4.633	2.464	0.308	8.004	1.000	2.642	0.330	2.957	0.370	162.330	10.793	35.056	11.570	12.952
			15.45	4.819	1.027	0.320	3.336	1.041	1.101	0.343	1.232	0.385	67.653	4.498	14.610	4.822	5.398
E14	2200	EGT	15.45	4.819	1.027	0.320	3.336	1.041	1.101	0.343	1.232	0.385	67.653	4.498	14.610	4.822	5.398
E15	2200	EGT	15.45	4.819	1.027	0.320	3.336	1.041	1.101	0.343	1.232	0.385	67.653	4.498	14.610	4.822	5.398
E16	2200	EGT	7.74	0.484	0.515	0.032	1.672	0.105	0.552	0.034	0.618	0.039	33.917	2.255	7.325	2.417	2.706
E17	2200	EGT	7.74	2.416	0.515	0.161	1.672	0.522	0.552	0.172	0.618	0.193	33.917	2.255	7.325	2.417	2.706
E18	2200	LVA	9.32	1.453	0.619	0.097	2.012	0.314	0.664	0.104	0.743	0.116	40.809	2.713	8.813	2.909	3.256
TOTAL EMISISONS			280.67	29.27	18.66	1.95	60.61	6.32	20.01	2.09	22.39	2.34	1229.36	81.74	265.49	87.62	98.09

NOTES

All sources use diesel fuel.
NA = not available
N/A = not applicable
EGT = Engine Test Dynamometer
LAV = Light Armored Vehicle
____ New NAPSIS point
* Potential Emissions Based on 8760 hrs/yr.

Source: MCLB, 1991; EPA, 1985; ESE, 1991.

Table D-3. Emissions From Surface Coating Operations

Source ID	Bldg No.	Source Type	ACTUAL EMISSIONS VOC lb/hr	VOC tpy	PM lb/hr	PM tpy	HAP lb/hr	HAP tpy	POTENTIAL EMISSIONS VOC tpy	PM tpy	HAP tpy
S1	1310	Dry Booth	0.58	0.14	0.010	0.002	0.347	0.087	2.53	0.04	1.52
			0.07	0.02	0.003	0.001	0.008	0.002	0.31	0.01	0.00
		Subtotal	**0.65**	**0.16**	**0.01**	**0.00**	**0.35**	**0.09**	**2.83**	**0.05**	**1.52**
S2	1362	Open Brush	0.11	0.01	0.000	0.000	0.067	0.008	0.49	0.00	0.29
			0.02	0.002	0.000	0.000	0.002	0.000	0.08	0.00	0.01
			0.12	0.01	0.000	0.000	0.059	0.007	0.52	0.00	0.26
		Subtotal	**0.25**	**0.03**	**0.00**	**0.00**	**0.13**	**0.02**	**1.08**	**0.00**	**0.56**
S3	2200	Wet Booth	3.40	3.06	0.019	0.018	2.879	2.592	14.89	0.09	12.61
		Subtotal	**3.40**	**3.06**	**0.02**	**0.02**	**2.88**	**2.59**	**14.89**	**0.09**	**12.61**
S4	2200	Wet Booth	0.32	0.29	0.013	0.012	0.191	0.172	1.674	0.07	1.01
			0.04	0.03	0.003	0.003	0.005	0.004	0.198	0.02	0.00
			4.70	4.23	0.027	0.024	3.979	3.581	24.786	0.14	20.99
		Subtotal	**5.05**	**4.55**	**0.04**	**0.04**	**4.17**	**3.76**	**26.66**	**0.23**	**22.00**
S5	2200	Dry Booth	3.89	3.50	0.065	0.059	2.340	2.106	17.05	0.29	10.25
			0.46	0.42	0.017	0.015	0.001	0.001	2.02	0.07	0.00
		Subtotal	**4.36**	**3.92**	**0.08**	**0.07**	**2.34**	**2.11**	**19.08**	**0.36**	**10.25**
S6	2200	Dry Booth	3.51	3.16	0.059	0.053	2.107	1.896	15.35	0.26	9.23
			0.41	0.37	0.015	0.013	0.001	0.001	1.81	0.07	0.00
			0.64	0.58	0.001	0.001	0.541	0.487	2.80	0.01	2.37
		Subtotal	**4.56**	**4.10**	**0.08**	**0.07**	**2.65**	**2.38**	**19.97**	**0.33**	**11.60**
S7	2200	Wet Booth	2.58	2.33	0.108	0.097	1.553	1.398	3.91	0.16	2.35
			0.31	0.28	0.028	0.025	0.001	0.001	0.46	0.04	0.00
			4.25	3.83	0.024	0.022	3.599	3.239	6.43	0.04	5.44
		Subtotal	**7.14**	**6.43**	**0.16**	**0.14**	**5.15**	**4.64**	**10.79**	**0.24**	**7.79**
S8	2200	Wet Booth	0.45	0.40	0.054	0.048	0.447	0.402	1.96	0.24	1.96
			0.34	0.31	0.002	0.002	0.288	0.259	1.49	0.01	1.26
		Subtotal	**0.79**	**0.71**	**0.06**	**0.05**	**0.73**	**0.66**	**3.45**	**0.24**	**3.22**
S9	2200	Storage	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
S10	2211	Open Brush	1.55	1.40	0.000	0.000	0.932	0.839	7.81	0.00	4.70
			0.18	0.17	0.000	0.000	0.000	0.000	0.92	0.00	0.00
		Subtotal	**1.73**	**1.56**	**0.00**	**0.00**	**0.93**	**0.84**	**8.74**	**0.00**	**4.70**
S11	2222	Wet Booth	7.03	6.32	0.294	0.265	4.224	3.801	30.78	1.29	18.50
			0.83	0.75	0.075	0.068	0.003	0.003	3.64	0.33	0.01
			2.04	1.84	0.012	0.011	1.728	1.555	8.94	0.05	7.57
		Subtotal	**9.90**	**8.91**	**0.38**	**0.34**	**5.95**	**5.36**	**43.35**	**1.68**	**26.08**
S12	2222	Wet Booth	10.54	9.49	0.441	0.397	6.335	5.702	46.17	1.94	27.75
			1.25	1.12	0.113	0.102	0.005	0.004	5.46	0.50	0.02
			3.06	2.75	0.018	0.017	2.591	2.332	13.40	0.08	11.35
		Subtotal	**14.85**	**13.36**	**0.57**	**0.52**	**8.93**	**8.04**	**65.03**	**2.52**	**39.12**
S13	5500	Dry Booth	2.71	2.44	0.000	0.000	1.357	1.221	11.88	0.00	5.94
			1.81	1.63	0.012	0.011	1.122	1.850	7.91	0.05	4.92
			3.77	3.39	0.068	0.062	0.000	0.000	16.51	0.30	0.00
			0.38	0.34	0.024	0.021	0.000	0.000	1.65	0.10	0.00
			0.33	0.30	0.001	0.001	0.067	0.060	1.45	0.01	0.29
			0.89	0.80	0.096	0.086	0.000	0.000	3.89	0.42	0.00
			0.06	0.05	0.000	0.000	0.056	0.051	0.25	0.00	0.25
		Subtotal	**9.94**	**8.95**	**0.20**	**0.18**	**2.60**	**3.18**	**43.55**	**0.89**	**11.39**
Total Emissions			**62.61**	**55.74**	**1.61**	**1.44**	**36.83**	**33.66**	**259.41**	**6.63**	**150.85**

NOTES

HAP = Hazardous Air Pollutant
PM = Particulate Matter
VOC = Volatile Organic Compound

Potential Emissions (tpy) for VOC and PM are based on 8760 hrs/yr or the following permit restrictions:

SOURCE	gal/yr	hr/yr
S4	9,000	1,820
S7,S10	4,200	1,820

Source: MCLB, 1991; EPA, 1973; ESE, 1991.

Table D-4. Emissions from Solvent Use Processes at MCLB

Source ID	Bldg No.	Process Type	Materials Used	Ann Opr Hours	Usage (gal/yr)	VOC Emissions* (lb/hr)	VOC Emissions* (tpy)	HAP Emissions* (lb/hr)	HAP Emissions* (tpy)
P1	1221	Corrosion Prevention	NC	2920	10	0.01	0.01		
			MS		20	0.04	0.07		
P2	1221	Corrosion Prevention	NT	2920	10	0.02	0.03		
			MS		20	0.04	0.07		
P3	2200	Degreaser	TCA	2400	5000	22.77	27.33	22.77	27.33
P4	2200	Degreaser	TCA	2400	5000	22.77	27.33	22.77	27.33
P5	2200	Paint Stripping	MCl	2400	960	3.66	4.39	3.66	4.39
P6	2200	Paint Stripping	MCl	2400	240	0.91	1.10	0.91	1.10
P7	2200	Degreaser	TCA	2400	5000	22.77	27.33	22.77	27.33
P8	2200	Silk Screen	SI	1200	10.00	0.05	0.03		
			T		1.00	0.01	0.00		
			W		25.00	0.15	0.09	0.15	0.09
P9		Graphic Art	Various	1200	N/A	N/A	N/A		
P10	3600	Photo Lab	BS	2080	2.00	0.002	0.002		
			BR		16.00	0.007	0.007		
			D1		5.00	0.011	0.011		
			D2		5.00	0.001	0.001		
			D3		5.00	0.021	0.021		
			BN		1.00	0.003	0.003		
			BF		2.00	0.006	0.006		
P11	7121	Degreaser	TCE	864	275.00	3.183	1.375	3.18	1.38
P12	2200	Degreaser	PD-680	2080	4212	13.284	13.815		
			**TOTAL EMISSIONS:			16.83	15.53	76.22	88.92

Notes:

BS = Bleach Starter
MCl = Methylene Chloride
MS = Mineral Spirits
NC = Nokorode Cutback
NT = Naphtha
SI = Screening Ink
T = Thinner
TCA = 1,1,1-Trichloroethane
TCE = Trichloroethylene
W = Washer

* Actual Emissions = Potential Emissions
** VOC total emissions only include non-exempt VOC's.
BF = Bleach Fixer
BN = Bleach Neutralizer
BR = Bleach Replenisher
CRA = Chromic Acid
D1 = Developer 1 (Ethoxyglycol Hydrocuinone 4-Methyl)
D2 = Developer 2 (Ektachrome)
D3 = Developer 3 (R-3000)
N/A = Not Applicable

Source: MCLB, 1991; EPA, 1991; ESE, 1991.

ACTUAL EMISSIONS TOTAL (tn/yr)

	NOX	SO_2	CO	PM	VOC	HAP
Fuel Burn.	16.14	3.02	3.33	3.95	0.50	
Sta. Combust.	29.27	1.95	6.32	2.09	2.34	
	45.41	4.97	9.65	6.04	2.84	
Surface Coat.				1.44	55.74	33.66
SOLVENT USE					15.53	88.92
STOR. TANKS					5.29	
MISC.			.015	16.58		.0006
			9.665	24.06	79.4	122.58

APPENDIX D--SOURCE EMISSIONS SUMMARIES

TOTAL CRITERIA EM.

TOTAL HAP EM

26.94 - fuel burning eq.
41.99 - Sta. Int. Comb. Source
15.50 - Solvent use
7.52 - stor. tanks
16.60 - misc sources
57.18 - surface coating

165.71

Table D-5. EMISSIONS FROM STORAGE TANKS AND RELATED OPERATIONS

Source ID	Building No.	Source Type	Fuel Type	Capacity (gal)	Throughput (gal/yr)	Filling Type	VOC Control	Fueling Loss(tpy)	Working Loss(tpy)	Breathing Loss(tpy)
T1	1311	Storage Tank	Waste Oil	5000	NA	Splash	N/A	N/A	N/A	NE
T2	1360	Storage Tank	Gasoline	200	150	Splash	N/A	N/A	0.00	0.0108
T3	1360	Storage Tank	Diesel	20,000	40,000	Splash	N/A	N/A	0.00	0.0030
T4	1462	Storage Tank	Diesel	500	NA	Splash	N/A	N/A	N/A	NE
T5	2200	Portables	Gasoline	300	28,918	Splash	N/A	N/A	N/A	NE
			Diesel	300	86000	Splash	N/A	N/A	N/A	NE
			JP-5	5000	104000	Splash	N/A	NE	NE	NE
T6	2200	Storage Tank	Diesel	1000	NA	Splash	N/A	N/A	N/A	NE
T7	2200	Storage Tank	Diesel	2,500	37,000	Submerg	N/A	– N/A	0.00	0.0007
T8	2200	Storage Tank	Gasoline	5,000	32,750	Submerg	N/A	N/A	0.15	0.0650
T9	2200	Pumps	Gasoline	N/A	32,750	N/A	N/A	0.2165	N/A	N/A
			Diesel	N/A	37,000	N/A	N/A	0.1916	N/A	N/A
T10	2210	Storage Tank	Waste Oil	10,000	86,750	Splash	N/A	N/A	N/A	NE
T11	2218	Storage Tank	Waste Oil	500	NA	Splash	N/A	N/A	N/A	NE
T12	3500	Storage Tank	Gasoline	300	NA	Splash	N/A	N/A	N/A	NE
T13	4500	Storage Tank	Diesel	500	NA	Splash	N/A	N/A	N/A	NE
T14	5200	Storage Tank	LPG	30,000	NA	N/A	N/A	N/A	N/A	NE
T15	5400	Separator	Oil/Water	10	NA	Splash	N/A	N/A	N/A	NE
T16	5400	Storage Tank	Waste Oil	1000	NA	Splash	N/A	N/A	N/A	NE
T17	5400	Storage Tank	Diesel	10,000	110,000	Submerg	Balanced	N/A	0.00	0.0017
T18	5400	Storage Tank	Gasoline	5,000	47,000	Submerg	Balanced	N/A	0.22	0.0650
T19	5400	Storage Tank	Gasoline	10,000	98,250	Submerg	Balanced	N/A	0.45	0.0945
T20	5400	Pumps	Gasoline	N/A	47,000	N/A	Stage II	0.0423	N/A	N/A
			Gasoline	N/A	98,250	N/A	Stage II	0.0884	N/A	
			Diesel	N/A	110,000	N/A	Stage II	0.0000	N/A	N/A
T21	5400	Storage Tank	Waste Oil	150	NA	Splash	N/A	N/A	N/A	NE
T22	7530	Storage Tank	Gasoline	10,000	432,000	Splash	Balanced	N/A	1.49	0.0945
T23	7530	Storage Tank	Gasoline	10,000	432,000	Splash	Balanced	N/A	1.49	0.0945
T24	7530	Storage Tank	Gasoline	10,000	432,000	Splash	Balanced	N/A	1.49	0.0945
T25	7530	Pumps	Gasoline	NA	432,000	N/A	Stage II	0.3888	N/A	N/A
			Gasoline	NA	432,000	N/A	Stage II	0.3888	N/A	N/A
			Gasoline	NA	432,000	N/A	Stage II	0.3888	N/A	N/A
T26	10100	Storage Tank	Diesel	500	NA	Splash	N/A	N/A	N/A	NE

PARTIAL LOSS (TPY):	1.71	5.29	0.52
TOTAL LOSS (TPY) :	7.52		

Notes:

N/A = Not Applicable
JP-5 = Jet fuel
LPG = Liquified Petroleum Gas

Source: MCLB, 1991; EPA, 1985; ESE, 1991.

Table D-6. Emissions From Miscellaneous Sources of Air Pollution

Source ID	Building No.	Process Type	Material Used	Control Type	Process Rate (lb/yr)	Ann Opr Hours	Emission Type	Actual Emissions lbs/hr	Actual Emissions TPY	Potential Emissions** TPY
M1	1221	Woodworking	Various woods	Cyclone	39000	2496	PM	3.922	4.915	17.179
M2	1221	Process Tanks	Cleaning Cmpd	None	NA	NA	NE	NE	NE	NE
M3	1260	Waste Storage	Hazard Wastes	N/A	N/A	N/A	NE	NE	NE	NE
M4	1364	Waste Storage	Hazard Wastes	N/A	N/A	N/A	NE	NE	NE	NE
M5	1622	Fire Training	Pepper Fog	N/A	NA	NA	NE	NE	NE	NE
M6	1622	Fire Training	Clean Wood	N/A	NA	NA	NE	NE	NE	NE
M7	1625	Waste Storage	Hazard Wastes	N/A	N/A	N/A	NE	NE	NE	NE
M8	1627	Waste Storage	Hazard Wastes	N/A	N/A	N/A	NE	NE	NE	NE
M9	2200	Sandblasting	Black Beauty	Baghouse	384000	1872	PM	1.031	0.965	4.515
M10	2200	Sandblasting	Black Beauty	Baghouse	384000	1872	PM	1.031	0.965	4.515
M11	2200	Sandblasting	Black Beauty	None	468000	1872	PM	10.250	9.594	44.895
			Sodium Bicarb	None	1200	8	PM	1.500	0.006	6.570
M12	2200	Rotoblast	Metal beads	Baghouse	1200	500	PM	0.012	0.003	0.052
M13	2200	Blast N Peen	Glass beads	Baghouse	1200	500	PM	0.012	0.003	0.052
M14	2200	Blast N Peen	Plastic/Glass	Baghouse	1510	500	PM	0.015	0.004	0.066
M15	2200	Shot Blaster	Glass beads	Baghouse	9945	1248	PM	0.040	0.025	0.174
M16	2200	Test Firing Rm	Ammunition	N/A	400	160	CO	0.096	0.008	0.422
M17	2200	Tst Fir Tunnel	Ammunition	N/A	400	160	CO	0.096	0.008	0.422
M18	2200	Magnaflux	Kerosene Mix	None	10*	NA	NE	NE	NE	NE
M19	2200	Belt Sander	Sandbelts	None	200	624	PM	0.321	0.100	1.404
M20	2200	Welding Vents	Torch	None	NA	NA	NE	NE	NE	NE
M21	2200	Chrome Plating	Chromic Acid	Mist Elm.	NA	2080	PM/HAP	0.0006	0.0006	0.003
M22	2200	Lead Smelting	Lead	N/A	1000	100	NE	NE	NE	NE
M23	2200	Adv Fuel Test	Various Fuels	N/A	NA	NA	NE	NE	NE	NE
M24	2200	Atm Absrb Hood	Fuel Samples	N/A	NA	NA	NE	NE	NE	NE
M25	2200	Process Tank	Sulfuric Acid	None	204*	2500	NE	NE	NE	NE
M26	2200	Process Tank	Nitric Acid	None	25*	2500	NE	NE	NE	NE
M27	2200	Process Tank	Black Dye	None	96	2500	NE	NE	NE	NE
M28	2200	Coating Tank	Phosphate	None	505*	2500	NE	NE	NE	NE
M29	2200	Process Tank	Black Oxide	None	5400	2500	NE	NE	NE	NE
M30	2200	Process Tank	Sodium Hydrox	None	500	2500	NE	NE	NE	NE
M31	2200	Process Tank	Alkaline	None	5100	2500	NE	NE	NE	NE
M32	2200	Process Tank	Hydrochloric	None	NA	2500	NE	NE	NE	NE
M33	2200	Process Tank	Sodium Hydrox	None	500	2500	NE	NE	NE	NE
M34	2200	Process Tank	Phosphoric	None	360*	2500	NE	NE	NE	NE
M35	2200	Coating Tank	Phosphate	None	240*	2500	NE	NE	NE	NE
M36	2200	Process Tanks	Sodium Hydrox	None	500	2500	NE	NE	NE	NE
M37	2200	Process Tank	Nitric Acid	None	25*	2500	NE	NE	NE	NE
M38	2200	Process Tanks	Sodium Hydrox	None	500	2500	NE	NE	NE	NE
M39	2200	Process Tank	Caustic Soda	None	110*	2500	NE	NE	NE	NE
M40	2200	Process Tank	Chromic Acid	None	13	2500	NE	NE	NE	NE
M41	2200	Heat Treating	Metal	N/A	NA	NA	NE	NE	NE	NE
M42	2200	Process Tank	Chromic Acid	None	264	2500	NE	NE	NE	NE
M43	2200	Process Tank	Chromic Acid	None	840	2500	NE	NE	NE	NE
M44	2214	Waste Storage	Hazard Wastes	N/A	N/A	N/A	NE	NE	NE	NE
M45	2214	Solvnt Distill	TCA,MEK	N/A	1700*	NA	NE	NE	NE	NE
M46	5500	Woodworking	Various woods	Cyclone	19500	2496	PM	1.961	2.457	8.590

	ACTUAL		POTENTIAL
TOTAL PM EMISSIONS	18.13	16.58	79.42
TOTAL CO EMISSIONS	0.193	0.015	0.843
TOTAL HAP EMISSIONS	0.0006	0.0006	0.0026

NOTES:
NA = Not Available
N/A = Not Applicable
NE = Negligible
TCA = 1,1,1 Trichloroethane
MEK = Methyl Ethyl Ketone
* Process Rate is in gal/yr
** Potential Emissions were Calculated Based on 8760 hrs/yr.
Process Rate = waste generated by the control device where applicable

Source: MCLB, 1991; EPA, 1985; ESE, 1991.

TABLE D-7A. Summary of Hazardous Air Pollutants (HAP) emissions (by pollutant).

HAP Chemical name	Parent material Name	PARENT MATERIAL INFORMATION					PARENT MATERIAL EMISSION DATA				HAP ACTUAL EMISSIONS				HAP POTENTIAL EMISSIONS	
		HAP(voc) wt %	HAP(pm) wt %	USAGE gal/yr	DENSITY lbs/gal	VOC lb/gal	VOC EMISSIONS lb/hr	VOC EMISSIONS voc(tpy)	PM EMISSIONS lb/hr	PM EMISSIONS tpy	VOC EMISSIONS lbs/hr	VOC EMISSIONS tpy	PM EMISSIONS lbs/hr	PM EMISSIONS tpy	VOC tpy*	PM tpy*
Toluene	CARC A	0.05	0.00	11455	11.18	4.65	30.10	26.64	0.99	0.89	3.62	3.20	0.00	0.00	15.85	0.00
	Primer 1	0.21	0.00	5420	7.30	6.12	18.43	16.6	0.12	0.11	4.62	4.16	0.00	0.00	20.22	0.00
	Primer 2	0.21	0.00	500	10.00	6.50	1.81	1.63	0.01	0.01	0.58	0.53	0.00	0.00	2.56	0.00
	Thinner	0.12	0.00	664	7.40	7.40	2.83	2.45	0.00	0.00	0.34	0.29	0.00	0.00	1.49	0.00
	Lacquer	0.15	0.00	100	8.00	5.96	0.33	0.30	0.00	0.00	0.07	0.06	0.00	0.00	0.29	0.00
	Epoxy	0.08	0.00	400	10.05	2.01	0.45	0.40	0.00	0.00	0.18	0.16	0.00	0.00	0.79	0.00
	Vinyl washer	0.50	0.00	25	7.01	7.01	0.15	0.09	0.00	0.00	0.08	0.05	0.00	0.00	0.05	0.00
										Subtotal	9.48	8.45	0.00	0.00	41.24	0.00
MEK	CARC A	0.15	0.00	11454	11.18	4.65	30.10	26.64	0.99	0.89	10.86	9.61	0.00	0.00	47.55	0.00
	Primer 1	0.50	0.00	5920	7.30	6.12	18.43	16.60	0.12	0.11	10.99	9.90	0.00	0.00	48.14	0.00
	Thinner	0.30	0.00	664	7.40	7.40	2.83	2.45	0.00	0.00	0.85	0.74	0.00	0.00	3.72	0.00
	MEK	1.00	0.00	15	6.76	6.76	0.06	0.05	0.00	0.00	0.06	0.05	0.00	0.00	0.26	0.00
	Vinyl washer	0.50	0.00	25	7.01	7.01	0.15	0.09	0.00	0.00	0.08	0.05	0.00	0.00	0.05	0.00
										Subtotal	22.83	20.34	0.00	0.00	99.72	0.00
MIBK	Epoxy	0.12	0.00	400	10.05	2.01	0.45	0.40	0.05	0.05	0.27	0.24	0.00	0.00	1.18	0.00
										Subtotal	0.27	0.24	0.00	0.00	1.18	0.00
TCA	TCA	1.00	0.00	15000	10.93	10.93	68.10	81.99	0.00	0.00	68.10	81.99	0.00	0.00	81.99	0.00
										Subtotal	68.10	81.99	0.00	0.00	81.99	0.00
TCE	TCE	1.00		275	12.20	12.20	3.88	1.68	0.00	0.00	3.88	1.68	0.00	0.00	1.68	0.00
										Subtotal	3.88	1.68	0.00	0.00	1.68	0.00
Xylene	CARC A	0.05	0.00	11454	11.18	4.65	30.10	26.64	0.99	0.89	3.62	3.20	0.00	0.00	15.85	0.00
	Primer 2	0.19	0.00	500	10.01	6.50	1.81	1.63	0.01	0.01	0.53	0.48	0.00	0.00	2.32	0.00
	Thinner	0.08	0.00	664	7.40	7.40	2.83	2.45	0.00	0.00	0.23	0.20	0.00	0.00	0.99	0.00
										Subtotal	4.37	3.88	0.00	0.00	19.16	0.00
MC	MC	1.00		1200	9.14	9.14	4.58	5.49	0.00	0.00	4.58	5.49	0.00	0.00	5.49	0.00
										Subtotal	4.58	5.49	0.00	0.00	5.49	0.00
1,6 HMD	CARC B	0.00	0.03	2867	8.84	2.21	3.57	3.16	0.25	0.23	0.00	0.00	0.01	0.01	0.00	0.04
										Subtotal	0.00	0.00	0.01	0.01	0.00	0.04
Zinc Chro	Primer 2	0.00	0.34	500	10.01	6.50	1.81	1.63	0.01	0.01	0.00	0.00	0.01	0.01	0.00	0.04
										Subtotal	0.00	0.00	0.01	0.01	0.00	0.04
Chromic	Chrm acid**	1.00		NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0006	0.0006	0.000	0.003
										Subtotal	0.00	0.00	0.0006	0.0006	0.0000	0.0026
							TOTAL HAP EMISSIONS:				113.52	122.06	0.02	0.02	250.46	0.09

NOTES

N/A = Not Applicable
TCA = 1,1,1 Trichloroethane
TCE = Trichloroethylene
CARC = Chemical Agent Resistance Coating.
MC = Methylene Chloride
1,6 HMD = 1,6 Hexane Methylene Diisocyanate
Zinc Chro = Zinc Chromate

HAP = Hazardous Air Pollutant
VOC = Volatile Organic Compound
MEK = Methyl Ethyl Ketone
MIBK = Methyl Isobutyl Ketone
* Potential Emissions were Calculated Based on 8760 hrs/yr.
** Chromic acid emissions are estimated based on an emission factor of 0.00059 lbs/hr

Sources: MCLB, 1991; EPA, 1985; ESE, 1991.

Table D-7B. Summary of Hazardous Air Pollutants (HAP) at MCLB. Listed by source category.

			HAP ACTUAL EMISSIONS				HAP POTENTIAL EMISSIONS			
Process Type	HAP Name	Control Type	VOC lbs/hr	VOC tpy	PM lbs/hr	PM tpy	VOC tpy*	PM tpy*	MACT Proposed	Comments
Degreasing	TCA	N/A	68.10	81.99	0.00	0.00	81.99	0.00	08/92	
	TCE	N/A	3.18	1.68	0.00	0.00	1.68	0.00		To be replaced
Paint Stripping	Methylene Chloride	N/A	4.58	5.49	0.00 0.00	0.00 0.00	5.49	0.00 0.00	NA	
Silk Screening	MEK	N/A	0.08	0.05	0.00	0.00	0.05	0.00	NA	
	Toluene	N/A	0.08	0.05	0.00	0.00	0.05	0.00		
Surface Coating	MEK	N/A	22.76	20.29	0.00	0.00	99.67	0.00	NA	
	MIBK	N/A	0.27	0.24	0.00	0.00	1.18	0.00		
	Toluene	N/A	9.40	8.40	0.00	0.00	41.19	0.00		
	Xylene	N/A	4.37	3.88	0.00	0.00	19.16	0.00		
	Zinc Chromate	N/A	0.00	0.00	0.01	0.01	0.00	0.04		
	1,6 Hexane Methylene Diisocyanate	N/A	0.00	0.00	0.01	0.01	0.00	0.04		
Chrome Plating	Chromic Acid Mist	Mist Elim	0.00	0.00	0.0006	0.0006	0.00	0.003	04/92	
TOTAL			112.82	122.67	0.016	0.021	250.46	0.08		

NOTES

N/A = Not Applicable
TCA = 1,1,1 Trichloroethane
TEC = Trichloroethylene
MEK = Methyl Ethyl Ketone
MIBK = Methyl Isobutyl Ketone
MACT = Maximum Achievable Control Technology
HAP = Hazardous Air Pollutant
NA = Not Available
* Potential Emissions were Calculated Based on 8760 hrs/yr.

Source: MCLB, 1991; EPA, 1985; ESE, 1991.

CHAPTER 2. AIR EMISSIONS SOURCES

As recommended by GEPD, MCLB proposes to replace its current operating permit (GEPD No. 9711-047-6455-O) with a new comprehensive permit, which would include several sources from the existing permit and add the new sources identified by GEPD as requiring permits. Table 2-1 lists those sources at MCLB that are expected to be covered under the new comprehensive facility-wide permit. Sources permitted under an amendment to the original permit (Application No. 5636, dated March 12, 1993) are also requested to be included in the new permit. These sources include a painting facility (Building 2222, Sources S-11 and S-12) and an abrasive blasting facility (Sources A1, A2, P1, R1, and R2). In addition to the above, MCLB also requests that the following modifications be made:

1. Redesignate sources previously identified as S-11, S12, A1, A2, P1, R2, and R1 in Application No. 5636 as Sources SC9, SC10, AB1, AB2, AB3, AB4, and AB5, respectively. This action is requested to identify these sources in a manner consistent with the other sources included in the new permit.
2. Change the location of Source AB5 (Rotoblast unit, identified as Source R2 in Application No. 5636) from the new Abrasive Blasting Facility to its correct location in the Small Arms Repair Shop (Shop 721) in Building 2200.
3. Establish the maximum annual allowable paint usages for Sources SC9 and SC10 (previously S-11 and S-12) to be 10,370 and 12,030 gallons, respectively. This action is requested because it more accurately reflects the potential paint consumption at this facility.

Each type of air emissions equipment to be permitted is described in this section. Simplified process flow diagrams for each type of source are also provided in Figures 2-1 through 2-10.

2.1 EXTERNAL COMBUSTION EQUIPMENT. External combustion (fuel burning) equipment at MCLB include various boilers and water heaters. Georgia Rule 391-3-1-.03(6)(b) exempts fuel burning equipment with a total heat input of 10 million British thermal units per hour (MMBtu/hr) or less, which burn only natural gas, propane, or distillate fuel oil (No. 2). This exempts all but three boilers from permitting. Sources EC1, EC2, and EC3 are three identical boilers housed in Building 2210, each with an input rated capacity of 29.6 MMBtu/hr. The boilers, manufactured by Cleaver-Brooks Corporation, burn natural gas as the primary fuel and No. 2 fuel oil as backup. MCLB would also like to be able to burn used (waste) motor and transmission oil as secondary fuel for the three boilers. A typical waste oil analysis is included in Appendix A. Typically, one boiler is operated throughout the year, and a second boiler is used during the heating season (i.e., November to April). The third boiler is used only as a backup when needed. The boilers provide steam to the MCCC area.

2.2 INTERNAL COMBUSTION ENGINES. Stationary internal combustion engines at MCLB primarily consist of emergency generators. Georgia Rule 391-3-1-.03(6)(c) exempts those internal combustion engines under 3,000 horsepower (hp) from permitting. Therefore, none of the engines at MCLB will be subject to permitting.

USMC

CAAA AIR INVENTORY & RESOURCE MODEL
FACILITIES EMISSIONS REPORT
* EXISTING CONTROLLED EMISSIONS *
SUMMARY SHEETS

11/16/92

MCLB ALBANY

CRITERIA POLLUTANTS	LBS PER YR
PM	60,186.73
SO2	13,574.77
NOX	28,636.60
VOC	106,864.42
CO	5,997.45

HAZARDOUS AIR POLLUTANTS	CHEMICAL ABSTRACT SERVICE	LBS PER YEAR	
1,1,1-TRICHLOROETHANE	71556	32,695.00	* MAJOR
1,3-BUTADIENE	106990	39.60	
ARSENIC COMPOUNDS	1015	3.96	
BENZENE	71432	470.49	
CADMIUM COMPOUNDS	1045	4.26	
CHLOROBENZENE	108907	16.38	
CHROMIUM COMPOUNDS	1046	1,160.88	
COBALT COMPOUNDS	1047	1,844.06	
ETHYL BENZENE	100414	357.86	
ETHYLENE GLYCOL	107211	832.00	
FORMALDEHYDE	50000	67.90	
GLYCOL ETHERS	1115	1,231.14	
HEXAMETHYLENE-1,6-DIISOCYANATE	822060	1,844.06	
HEXANE	100543	447.38	
LEAD COMPOUNDS	1130	438.27	
MANGANESE COMPOUNDS	1132	37.33	
MERCURY COMPOUNDS	1135	0.03	
METHYL ETHYL KETONE	78933	1,865.60	
METHYLENE CHLORIDE	75092	918.00	
NAPHTHALENE	91203	24.24	
NICKEL COMPOUNDS	1145	340.10	
PERCHLOROETHYLENE	127184	2,613.20	
POLYCYLIC ORGANIC MATTER	1156	0.09	
SELENIUM COMPOUNDS	1170	0.37	
TOLUENE	108883	10,947.60	
XYLENE	1330207	2,857.75	
	HAP TOTAL:	61,057.65	* MAJOR

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.

DATA BEING CERTIFIED Data Call Number Thirty Three (Environmental)

ACTIVITY COMMANDER

MAJGEN J. D. STEWART
NAME (Please type or print)

J D Stewart
Signature

COMMANDING GENERAL
Title

2 June 94
Date

MCLB, ALBANY, GA
Activity

Data Call 33
MCLB Albany

Data Call Thirty Three (Environmental)

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

NEXT ECHELON LEVEL (if applicable)

MAJGEN J. D. STEWART
NAME (Please type or print)

COMMANDER
Title

MARCORLOGBASES, ALBANY, GA
Activity

Signature

2 June 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

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.

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

NAME (Please type or print)
J. A. BRABHAM

Title
LIEUTENANT GENERAL, U.S. MARINE CORPS
DEPUTY CHIEF OF STAFF FOR
INSTALLATIONS AND LOGISTICS

Signature

Date

DC14 Albany MCLB
JCSG-DM

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.

JOINT CROSS SERVICE - DEPOT MAINTENANCE

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

11. Sea Systems
    Ships
    Weapons Systems

12. Software
    Tactical Systems
    Support Equipment

13. Special Interest Items
    Bearings Refurbishment
    Calibration (Type I)
    TMDE

14. Other

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

Activity: M67004

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** See Revised table

COMMODITY GROUP	INDEX (DLHs) (000s)				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
Amphibious Vehicles	305.4	345.2	328.1	317.7	291.6
Combat Vehicles	98.0	49.8	46.5	45.7	42.4
Tactical Vehicles	341.7	431.7	437.0	490.5	501.7
Construction Equipment	54.3	17.4	53.0	52.0	38.0
Electronic and Communications Systems	145.7	130.2	127.1	90.0	101.4
Ordnance, Weapons, and Munitions	29.7	64.8	60.1	59.0	53.5
General Purpose Equipment	32.2	13.6	11.4	11.1	49.6
Other End Items	208.1	162.4	151.9	149.1	136.9
TOTAL	1,215.1	1,215.1	1,215.1	1,215.1	1,215.1

The Marine Corps' most unique and essential maintenance process is our "one-stop" maintenance process -- the lifeblood of readiness. We can induct any piece of Marine Corps ground combat and combat support equipment and totally Inspect, Repair As Necessary (IROAN), rebuild, or repair and return it to our customer directly.

The required maintenance (disassembly, cleaning, repair/replacement, assembly, inspection, and testing) of components and/or end items is provided for over 50,000 items annually with the capability to modify priorities, based on customer requirements, at a moments notice.

Maintaining a "one-stop" maintenance process requires a workforce

Table 1.1.a: Capacity Index

Albany
UIC: M67004

Revised table

JLSC COMMODITY GROUP	INDEX (DLH) (000)				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
Missiles					
Strategic					
Tactical/MLRS					
Amphibians					
Vehicles	251.3	261.2	241.3	233.0	215.0
Components	30.8	26.8	24.6	24.6	22.7
Ground Combat Vehicles					
Self Propelled Tanks	67.4	33.0	29.9	29.4	27.1
Towed Combat Veh Components	22.3	17.6	16.0	15.7	14.5
Comm/Elec					
Radar	27.2	21.7	24.2	18.0	16.6
Radio Comm	75.6	87.4	79.9	56.7	71.4
Wire Comm	28.7	16.6	14.9	10.2	8.6
Electronic Warfare					
Navigational Aids					
Electro-Optics/NV	1.2	1.8	1.6	1.6	1.0
Satellite/Space Sensors					
Automotive/Construction Equipment	53.5	21.5	53.6	52.8	39.5
Tactical Vehicles					
Tactical Vehicles	308.5	427.0	417.8	468.5	480.5
Components	21.4	11.0	9.9	9.8	9.0
General Purpose Items					
Ground Support Equip	20.1	6.4	5.8	5.7	42.9
Small Arms/Per Wpns	119.3	101.9	131.3	129.2	118.3
Munition/Ordnance	1.0	0.3	0.2	0.2	0.2
Grd Generators	5.7	5.7	5.2	3.8	3.5
Other	5.0	1.8	1.6	1.6	1.7
Sea Systems					
Ships					
Weapon System					
Software					
Tactical Systems		5.4	4.9	4.8	4.5
Support Equipment					
Special Interest Items					
Bearings Refurbishment					
Calibration (Type I)					
TMDE	89.5	89.1	80.8	79.4	73.4
Other	86.6	78.9	71.6	70.1	64.7
	1215.1	1215.1	1215.1	1215.1	1215.1

with the flexibility and versatility to perform varying types of maintenance on a number of different types of equipment. Consequently, 80 percent of our workforce is cross-trained in more than one commodity.

The Marine Corps' maintenance capability, flexibility, and workforce versatility provide a sound, efficient, and cost effective means of maintaining Fleet Marine Force readiness.

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** See Revised table

COMMODITY GROUP	INDEX (%)				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
Amphibious Vehicles	26.9	31.1	31.6	31.2	31.2
Combat Vehicles	8.6	4.5	4.5	4.5	4.5
Tactical Vehicles	30.1	38.9	42.1	48.2	53.6
Construction Equipment	4.8	1.6	5.1	5.1	4.1
Electronic and Communications Systems	12.8	11.7	12.2	8.8	10.9
Ordnance, Weapons, and Munitions	2.6	5.9	5.8	5.8	5.7
General Purpose Equipment	2.8	1.2	1.1	1.1	5.3
Other End Items	18.3	14.6	14.6	14.6	14.6
TOTAL	106.9	109.5	117.0	119.3	129.9

UIC: M67004

Revised pg table

Albany Tbl 1.2.a Utilization Index
(DoD Capacity Handbook)

	FY95	FY96	FY97	FY98	FY99
Amphibian					
Veh	119%	114%	126%	128%	139%
Com	119%	114%	126%	128%	139%
GCV					
Tanks	119%	114%	126%	128%	139%
Comp	118%	114%	126%	128%	139%
C/E					
Radar	119%	114%	126%	128%	139%
Radio	121%	118%	130%	132%	142%
Wire	119%	114%	126%	128%	138%
EO/NV	117%	111%	125%	125%	140%
ACE	119%	114%	126%	128%	138%
TV					
TV	119%	114%	126%	128%	139%
Comp	119%	114%	126%	128%	139%
GPI					
GSE	118%	114%	126%	128%	139%
SA	119%	114%	126%	128%	139%
M/O	120%	100%	150%	150%	150%
Gen	119%	114%	125%	129%	140%
Other	118%	111%	125%	125%	135%
SW	0%	0%	0%	0%	0%
SII					
TMDE	119%	114%	126%	128%	139%
Other	117%	111%	122%	124%	135%
Total	119%	114%	126%	128%	139%

Activity: M67004

1. Capacity Utilization, continued

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** See revised table

COMMODITY GROUP	INDEX (DLHs) (000s)				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
Amphibious Vehicles	305.4	345.2	328.1	317.7	291.6
Combat Vehicles	98.0	49.8	46.5	45.7	42.4
Tactical Vehicles	341.7	431.7	437.0	490.5	501.7
Construction Equipment	54.3	17.4	53.0	52.0	38.0
Electronic and Communications Systems	145.7	130.2	127.1	90.0	101.4
Ordnance, Weapons, and Munitions	29.7	64.8	60.1	59.0	53.5
General Purpose Equipment	32.2	13.6	11.4	11.1	49.6
Other End Items	208.1	162.4	151.9	149.1	136.9
TOTAL	1,215.1	1,215.1	1,215.1	1,215.1	1,215.1

Table 1.3.a: Maximum Potential Capacity*

Albany
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Revised Table

JLSC COMMODITY GROUP	INDEX (DLHs) (000s)				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
Missiles					
Strategic					
Tactical/MLRS					
Amphibians					
Vehicles	404.3	420.2	388.2	374.9	345.9
Components	38.6	33.6	30.9	30.9	28.5
Ground Combat Vehicles					
Self Propelled Tanks	108.4	53.1	48.1	47.3	43.6
Towed Combat Veh Components	35.9	28.3	25.7	25.3	23.3
Comm/Elec					
Radar	51.7	41.2	46.0	34.2	31.5
Radio Comm	92.9	107.4	98.2	69.7	87.8
Wire Comm	35.3	20.4	18.3	12.5	10.6
Electronic Warfare					
Navigational Aids					
Electro-Optics/NV	2.0	2.9	2.6	2.6	1.6
Satellite/Space Sensors					
Automotive/Construction Equipment	86.0	34.5	86.1	84.8	63.5
Tactical Vehicles					
Tactical Vehicles	495.6	686.0	671.2	752.7	771.9
Components	26.8	13.8	12.4	12.3	11.3
General Purpose Items					
Ground Support Equip	29.4	9.3	8.5	8.3	62.7
Small Arms/Per Wpns	193.7	165.5	213.2	209.8	192.1
Munition/Ordnance	1.6	0.5	0.3	0.3	0.3
Grd Generators	8.3	8.3	7.6	5.5	5.1
Other	7.3	2.6	2.3	2.3	2.5
Sea Systems					
Ships					
Weapon System					
Software					
Tactical Systems	0.0	6.2	5.6	5.5	5.2
Support Equipment					
Special Interest Items					
Bearings Refurbishment					
Calibration (Type I)					
TMDE	128.7	128.1	116.1	114.3	105.5
Other	120.6	110.0	99.7	97.8	90.2
	1867.1	1872.2	1881.2	1891.0	1883.1

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Table 1.3.a: Maximum Potential Capacity* - Continued

* With no constraints on funding, additional personnel can be hired to be available when the workforce is on leave, training, etc. Therefore, instead of using 1,615 hours per work place, a higher utilization (1,800 hours) can be used, thus allowing more work to be performed than the capacity index calculated by the Handbook method. This allows the Maintenance Center to approach the Physical Capacity Index addressed in the DOD Capacity Handbook, which is based on 2,080 hours.

Activity: M67004

CAPACITY, continued

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	90,639	94,265	98,035	101,957	106,035
Equipments	309,998	319,285	328,850	338,702	348,850
TOTAL	400,637	413,550	426,885	440,659	454,885

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** See Revised Table

COMMODITY GROUP	$ K				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
Amphibious Vehicles	24,404.4	27,745.6	27,779.8	27,808.7	27,808.7
Combat Vehicles	6,662.8	3,547.2	3,547.2	3,547.2	3,547.2
Tactical Vehicles	20,687.2	34,837.0	37,647.7	43,664.5	48,837.1
Construction Equipment	3,528.7	1,698.5	4,716.4	4,716.4	3,813.4
Electronics & Comm Systems	10,074.0	14,503.1	14,608.7	12,346.3	13,169.1
Ordn, Wpns & Munitions	2,201.7	4,511.0	4,468.0	4,479.0	4,417.7
General Purpose Eqmt	1,972.2	1,189.9	1,189.9	1,080.1	4,601.2
Other End Items	12,134.0	23,150.8	23,150.8	23,150.8	23,150.8
TOTAL	81,665.0	111,183.1	117,108.5	120,793.0	129,345.2

NOTE: WORKLOAD DOLLARS <u>CANNOT</u> BE USED FOR ANY ANALYSIS BETWEEN DEPOTS. KNOWN

Activity: M67004

DIFFERENCES ARE IDENTIFIED IN THE DOD COST COMPARABILITY HANDBOOK.

Table 3.1a

Programed workload

Programmed Workload - Albany

P.35/36

Revised Table

JLSC COMMODITY GROUP	$ K				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
Missiles					
Strategic					
Tactical/MLRS					
Amphibians					
Vehicles	21,447.2	23,617.0	23,661.1	18,856.7	17,403.9
Components	2,662.0	2,424.3	2,414.4	1,992.6	1,839.1
Ground Combat Vehicles					
Self Propelled					
Tanks	4,785.0	2,039.7	2,039.7	2,378.4	2,195.2
Towed Combat Veh					
Components	1,579.1	1,090.3	1,090.3	1,271.5	1,173.5
Comm/Elec					
Radar	1,953.2	2,245.7	2,571.0	1,454.9	1,342.8
Radio Comm	5,520.9	9,299.9	8,732.9	4,750.6	5,931.7
Wire Comm	2,062.0	1,711.4	1,576.3	828.7	694.8
Electronic Warfare					
Navigational Aids					
Electro-Optics/NV	84.7	181.1	168.5	126.5	81.7
Satellite/Space Sensors					
Automotive/Construction Equipment	3,580.1	843.1	3,861.1	4,269.8	3,193.5
Tactical Vehicles					
Tactical Vehicles	20,440.8	34,416.0	37,225.0	37,922.2	38,894.6
Components	1,418.6	882.8	884.6	790.7	729.8
General Purpose Items					
Ground Support Equip	1,695.4	519.7	546.6	461.8	3,473.8
Small Arms/Per Wpns	10,087.0	8,279.4	12,376.8	10,456.3	9,574.8
Munition/Ordnance	85.5	21.3	22.5	19.0	17.5
Grd Generators	484.4	462.6	486.7	310.0	286.0
Other	420.3	142.3	149.7	126.5	134.3
Sea Systems					
Ships					
Weapon System					
Software					
Tactical Systems		300.2	300.3	392.2	362.0
Support Equipment					
Special Interest Items					
Bearings Refurbishment					
Calibration (Type I)					
TMDE	6,460.5	4,925.2	4,926.1	6,433.1	5,937.4
Other	6,156.3	4,223.8	4,223.8	5,515.9	5,091.0
	90,923	97,625.8	107,257.4	98,357.4	98,357.4

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Activity: M67004

CAPACITY, continued

3. Programmed Workload, continued

See Revised Table

Table 3.1.b: **Programmed Workload**

COMMODITY GROUP	DLHs (000s)				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
Amphibious Vehicles	326.5	377.9	384.1	378.9	378.9
Combat Vehicles	104.8	54.5	54.5	54.5	55.1
Tactical Vehicles	365.4	472.5	511.5	585.1	651.8
Construction Equipment	58.1	19.1	62.0	62.0	49.3
Electronics & Comm Systems	155.8	142.5	148.8	107.4	131.8
Ordn, Wpns & Munitions	31.8	70.9	70.3	70.4	69.5
General Purpose Eqmt	34.4	14.9	13.3	13.3	64.5
Other End Items	222.5	177.8	177.8	177.8	177.8
TOTAL	1,299.3	1,330.1	1,422.3	1,449.4	1,578.7

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.

The Albany, Georgia and Barstow, California Multi-Commodity Maintenance Centers are singularly unique in the DOD. The multi-commodity maintenance concept is different from the "Centers of Excellence" in many of our sister services. Their maintenance centers are dedicated to specific commodity areas; major components may or may not be worked at the same location as the end item. However, within each Marine Corps Multi-Commodity Maintenance Center is a "one stop process" where we work the entire item, including components. We perform these maintenance services - not on a single commodity, but on **All** ground combat and combat support equipment used by the Marine Corps. In addition, one of the most unique essential processes of the Maintenance Centers is our amphibious capability. We rigorously and thoroughly test each vehicle upon completion using a combination of our test track, test pond, and when applicable, test-fire range facilities. We are facilitized and manned to do this with a workforce in which over 80 percent are cross-trained to work in more than one commodity area. Also unlike other services, we do not maintain extensive maintenance float inventories, so most of our items in for maintenance are returned directly to the operating forces. The multi-commodity maintenance approach improves readiness, reduces inventory requirements, and generates substantial transportation savings.

Table 3.1.b: Programmed Workload

Albany
UIC: M67004

Revised Table

JLSC COMMODITY GROUP	DLHs (000s)				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
Missiles					
Strategic					
Tactical/MLRS					
Amphibians					
Vehicles	298.1	298.1	303.8	298.1	298.1
Components	36.5	30.6	31.0	31.5	31.5
Ground Combat Vehicles					
Self Propelled Tanks	80.0	37.6	37.6	37.6	37.6
Towed Combat Veh Components	26.4	20.1	20.1	20.1	20.1
Comm/Elec					
Radar	32.3	24.8	30.5	23.0	23.0
Radio Comm	91.3	102.7	103.6	75.1	101.6
Wire Comm	34.1	18.9	18.7	13.1	11.9
Electronic Warfare	19.1	14.4			
Navigational Aids					
Electro-Optics/NV	1.4	2.0	2.0	2.0	1.4
Satellite/Space Sensors					
Automotive/Construction Equipment	63.5	24.5	67.5	67.5	54.7
Tactical Vehicles					
Tactical Vehicles	366.0	487.3	526.0	599.5	666.2
Components	25.4	12.5	12.5	12.5	12.5
General Purpose Items					
Ground Support Equip	23.8	7.3	7.3	7.3	59.5
Small Arms/Per Wpns	141.6	116.3	165.3	165.3	164.0
Munition/Ordnance	1.2	.3	.3	.3	.3
Grd Generators	6.8	6.5	6.5	4.9	4.9
Other	5.9	2.0	2.0	2.0	2.3
Sea Systems					
Ships					
Weapon System					
Software					
Tactical Systems		6.2	6.2	6.2	6.2
Support Equipment					
Special Interest Items					
Bearings Refurbishment					
Calibration (Type I)					
TMDE	106.2	101.7	101.7	101.7	101.7
Other	101.2	87.2	87.2	87.2	87.2
	1441.9	1386.6	1529.8	1554.9	1684.7

137.9

Albany is the home base for the Commander of the Marine Corps Logistics Bases (MARCORLOGBASES). The Commander is directly responsible to the Commandant of the Marine Corps for Ground Depot Maintenance for the Maritime Prepositioning Force (MPF) Program, the Marine Corps' single inventory control point for wholesale supply, and the provisioning, readiness, and sustainment of all ground combat and combat support equipment. With this direct line of communication and diverse workforce, the workload in either Maintenance Center can be adjusted literally overnight to meet the mission-critical requirements of national security or power projection. The multi-commodity maintenance concept works -- it is responsive to the Marine Corps' requirements, it is paid for with less than one percent of the total DOD dollars dedicated to depot maintenance, and it is an integral part of our Nation's 9-1-1 Force-in-Readiness.

Activity: M67004

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.

Activity	Location	Description of Strategic Importance/ Military Value
Repair Division: A Marine Corps Multi-Commodity Maintenance Center	The Maintenance Center is located in Albany, Georgia: 174 miles south of Atlanta, GA 86 miles southeast of Columbus, GA 107 miles southwest of Macon, GA 191 miles northwest of Jacksonville, Fl 221 miles northeast of Pensacola, Fl The Albany Maintenance Center is strategically located to provide quick, unobstructed support to the FMF. Being located within one day's travel of primary CONUS operating forces permits rapid response times in meeting FMF requirements. Additionally, the temperate climate of our location permits outdoor maintenance activities year-round. Our location also provides low distribution and transportation costs while providing a single-source capability to support virtually all of our customers' ground combat equipment maintenance requirements. The Albany Maintenance Center is accessible via major highways, rail, air, and waterway routes. It is this ease of access that allows maximum support in the shortest timeframe to the FMF.	The Albany Multi-Commodity Maintenance Center and its sister facility, Barstow CA, are singularly unique in the DOD. Each Maintenance Center is a "one stop" maintenance process where the entire item is worked, including components. These maintenance services are performed on <u>All</u> ground combat and combat support equipment used by the Marine Corps. The Maintenance Centers are facilitized and manned to do this with a workforce in which over 80 percent are cross-trained to work in more than one commodity area. The Marine Corps does not maintain extensive maintenance float inventories, so most maintained items are returned directly to the operating forces. The multi-commodity maintenance approach improves readiness, reduces inventory requirements, and generates substantial transportation savings. Albany is also the home base for the Commander of the Marine Corps Logistics Bases (MARCORLOGBASES) and the Blount Island Command, Jacksonville, FL. The Commander is directly responsible to the Commandant of the Marine Corps for Ground Depot Maintenance for the MPF Program, the Marine Corps' single inventory control point for wholesale supply, and the provisioning, readiness, and sustainment of all ground combat and combat support equipment. This direct line of communication and diverse workforce, allow the workload in either Maintenance Center to be adjusted literally overnight to meet mission-critical requirements of national security or power projection. In fact, during FY-92, the Albany Maintenance Center alone, responded to 864 customer requirement changes involving 24,000 asset changes and in FY-93, 993 customer requirement changes with 33,301 asset changes. This demonstrates our ability to respond quickly to the changing needs of our ultimate customer -- the Marine in the field.

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?

MCLB Albany enjoys unique status within DOD as an environmentally compliant facility. Albany is an attainment area for air pollutants. The Base possesses a facility-wide permit for all air emissions covering all current operations. We are presently able to operate within the limits of this permit and could go to 24 hour a day, seven day a week operation without violating air permit terms.

In addition, we have begun the process to identify all stationary sources which will require permitting under the Clean Air Act Amendments of 1990 and have met with the State of Georgia concerning this permitting process.

A contractor has completed a study identifying our air sources and the emissions from those sources, and the state has tentatively accepted that study as an application for new permits. This process could be immediately expanded to include increased operations doubling or tripling our capacity.

We have completed construction of improvements to our Industrial Waste Treatment Plant which greatly increase the capacity of that fully permitted facility. Operations could be conducted on a 24 hour day, 365 day a year basis within the current capacity of that plant. That secondary treatment facility meets all current and proposed regulations of which this Base is aware. The effluent discharge from that facility flows to the Albany municipally owned treatment works which has ample capacity to accept increased flow.

The Base is in the unique position of possessing a storm water permit at the present time. MCLB Albany is able to increase operations while remaining within the limits of current permits. The Clean Water Act would propose no limit on our expanding operations.

MCLB Albany is in an excellent position regarding hazardous waste. The Base has newly constructed generator 90 day storage facilities which are now in operation. In addition, a collocated Defense Reutilization and Marketing Office (DRMO) accepts long term storage of hazardous waste. DRMO's Treatment, Storage, and Disposal Facility (TSDF) is fully permitted. We have capacity within our

generator storage system to accept increased hazardous waste associated with increased operations tempo.

Waste minimization projects currently underway will additionally operate to reduce current hazardous waste generation levels. These two factors, coupled with the capabilities of the collocated DRMO TSDF, make it feasible for MCLB Albany to accept increased workload.

The Base enjoys excellent relationships with the Georgia Department of Natural Resources, Region IV of the Environmental Protection Agency, and the Dougherty County Clean Commission. Through the value of these established relationships, we are able to readily deal with the issues that could arise with an increased operations pace.

Geographic, continued

2. Environmental Compliance, continued

MCLB Albany further benefits from its fine community relations when considering and dealing with encroachment issues. There are currently no encroachment problems. An increased operations tempo would not raise other issues of encroachments.

There are ample water supplies in Georgia, no airport or airway is located prohibitively near the Base, no road development issues are under consideration, and no housing developments interfere with our operations. In fact, Dougherty County is actively working to improve access to the Base and to assure that there are no conflicting uses which interfere with our mission.

MCLB Albany has removed all PCB containing transformers, capacitors, and switches from the Base. In the process of this removal, a new electrical distribution system was essentially installed. The existing system could now be considered as being only two to three years old. This new electrical distribution system is fully capable of handling the requirements which may be imposed as a result of increased operations.

MCLB Albany has removed all regulated underground storage tanks which were in a noncompliance status. The identification, location, testing, and removal of regulated tanks place MCLB Albany in an excellent position to increase operations.

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.

No actual or programmed work at this installation has been restricted or delayed because of environmental consideration.

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.

There are no workloads or processes affected by environmental restrictions/ compliance.

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

Activity: M67004

Type	Provisions	Describe
Hazardous Waste	Part B Permit of Resource Conservation and Recovery Act	The permit establishes guidelines for generation, storage, and disposal of hazardous waste. The facility is in complete compliance with the provisions.
Radioactive Materials	Base Order 5100.11 Marine Corps Order P4400.1	The orders prescribe procedures for disposal of radioactive materials. The facility is in complete compliance.

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/Impact
Integrated Logistics Support Directorate (ILSD)	Weapons Systems Management
Fleet Support Division (FSD)	Marine Corps' Storage and Distribution and Publications
Human Resources Office	Personnel Actions, Staffing, Classification, and EEO Program
Information Resources Management Directorate (IRMD)	Mainframe Support and Personal Computer Maintenance
Maintenance Directorate	Administrative oversight of the Maintenance Centers for workload, engineering, and financial operations
Contracts Directorate	Administrate the contractual process
Communications Office	Support for telephone service, radio maintenance, and related equipment purchases
Comptroller	Financial Management
Facilities and Services (F&S) Division:	
Base Safety Office	Support for the Safety Program
Base Property Office	Accountability of assets greater than $25k
Motor Transportation Office	Maintenance and operation of transportation equipment
Utilities	Cost of utilities, potable water, sewage, gas, and steam
Hazardous Waste Disposal	Disposal of hazardous waste material
Maintenance: Building, Equipment, Tools, Preventative	Maintenance of buildings, equipment, and tools
Engineering Equipment	Provide use of engineering equipment
Minor Construction	Design, engineering and construction of non-capitalized Minor Construction projects
Graphic Arts	Photography and slides Services
Public Works	Public Works Engineering Support
Industrial Waste Treatment Plant	Operation and maintenance of the Industrial Waste Treatment Plant
Janitorial	Janitorial Services
Refuse and Garbage	Refuse and Garbage pickup
Fire Protection	Fire protection services

Geographic, continued

4. Other Collocated Activities, continued

Collocated Activity	Benefit/Relationship/Impact
Other Agencies:	
Defense Logistics Agency (DLA)	Shipping, Preservation, and Packaging Support
Defense Finance and Accounting Service (DFAS)	Recording and reporting of DBOF financial operations, Disbursing
Naval Branch Dental Clinic	Dental Services
Naval Branch Medical Clinic	Medical Services
Defense Printing Service	Duplication Services
Naval Facilities Contracts Office	Administrative oversight over facilities
Defense Reutilization and Marketing Office (DRMO)	Property Disposal

Activity: M67004

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

Collocated Activity	Support To or Supported By the Maintenance Center
Integrated Logistics Support Directorate (ILSD)	Support to and Supported by
Fleet Support Division (FSD)	Support to and Supported by
Human Resources Office	Support to
Information Resources Management Directorate (IRMD)	Support to
Maintenance Directorate	Support to
Contracts Directorate	Support to
Communications Office	Support to
Comptroller	Support to
Facilities and Services (F&S) Division:	
Base Safety Office	Support to
Base Property Office	Support to
Motor Transportation Office	Support to
Utilities	Support to
Hazardous Waste Disposal	Support to
Maintenance: Building, Equipment, Tools, Preventative	Support to
Engineering Equipment	Support to
Minor Construction	Support to
Graphic Arts	Support to
Public Works	Support to
Industrial Waste Treatment Plant	Support to
Janitorial	Support to
Other Agencies:	
Refuse and Garbage	Support to
Fire Protection	Support to
Defense Logistics Agency (DLA)	Support to and Supported by
Defense Finance and Accounting Service (DFAS)	Support to
Naval Branch Dental Clinic	Support to
Naval Branch Medical Clinic	Support to
Defense Printing Service	Support to
Naval Facilities Contracts Office	Support to
Defense Reutilization and Marketing Office (DRMO)	Support to

Geographic, continued

4. Other Collocated Activities, continued

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

Collocated Activity	Support To or Supported By the Maintenance Center
Integrated Logistics Support Directorate (ILSD)	None
Fleet Support Division (FSD)	Significant increase in transportation cost.
Human Resources Office (HRO)	Service would have to be provided by another source/agency. The Maintenance Center reviews applications on-site due to the technical nature and multi-skilled requirements. Without the Maintenance Center, HRO cost would significantly increase for the remaining base operations.
Information Resources Management Directorate (IRMD)	Service would have to be provided by another source/agency.
Maintenance Directorate	None
Contracts Directorate	None
Communications Office	Service would have to be provided by another source/agency.
Comptroller	Service would have to be provided by another source/agency.
Facilities and Services (F&S) Division:	
Base Safety Office	Service would have to be provided by another source/agency.
Base Property Office	Service would have to be provided by another source/agency.
Motor Transportation Office	Service would have to be provided by another source/agency.
Utilities	Service would have to be provided by another source/agency.
Hazardous Waste Disposal	Service would have to be provided by another source/agency.
Maintenance: Building, Equipment, Tools, Preventative	Service would have to be provided by another source/agency.

Geographic, continued

4. Other Collocated Activities, continued

Collocated Activity	Impact If Not Collocated
Engineering Equipment	Service would have to be provided by another source/agency.
Minor Construction	Service would have to be provided by another source/agency.
Graphic Arts	Service would have to be provided by another source/agency.
Public Works	Service would have to be provided by another source/agency.
Industrial Waste Treatment Plant	Service would have to be provided by another source/agency.
Janitorial	Service would have to be provided by another source/agency.
Refuse and Garbage	Service would have to be provided by another source/agency.
Fire Protection	Service would have to be provided by another source/agency.
Other Agencies:	
Defense Logistics Agency (DLA)	Significant increase in transportation cost.
Defense Finance and Accounting Service (DFAS)	None
Naval Branch Dental Clinic	Service would have to be provided by another source/agency.
Naval Branch Medical Clinic	Service would have to be provided by another source/agency.
Defense Printing Service	Service would have to be provided by another source/agency.
Naval Facilities Contracts Office	Service would have to be provided by another source/agency.
Defense Reutilization and Marketing Office (DRMO)	Service would have to be provided by another source/agency.

Geographic, continued

5. Encroachment

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

No activity has been constrained.

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

MCLB Albany enjoys fine community relations when considering and dealing with encroachment issues. There are currently no encroachment problems. An increased operations tempo would not raise other issues of encroachments. There are ample water supplies in Southwest Georgia, no airport or airway is located prohibitively near the Base, no road development issues are under consideration and no housing developments interfere with our operations. In fact, Dougherty County is actively working to improve access to the Base and to assure that there are no conflicting uses which interfere with our mission.

Facilities and Equipage

6. Unique or Peculiar Facilities

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

Test Facility	Describe Uniqueness/Peculiarity
Tracked Vehicle Test Slope	The Tracked Vehicle Test Slope is an elevated, concrete test ramp (completed in 1986) that provides 30 and 60 percent grades for tracked vehicle testing and evaluation.
4-Axle Chassis Dyno	This test facility provides the capability to subject the LAV to various load conditions which simulate actual road circumstances while quantitatively determining horsepower output at each drive axle independently. This ensures proper functioning of the drive train and its components.
Test Pond	The Test Pond is used to test amphibious vehicles, such as the LAV and the AAV and other watercraft, such as the Bridge Erection Boat. The AAV is attached to thrust-measurement instrumentation to quantitatively measure the thrust produced by the water propulsion system. Water-tight integrity of the hull, vehicle steering, and bilge pump operation are also tested here. Testing is performed in accordance with requirements of the maintenance criteria.
25MM Firing Range	The 25 millimeter chain gun is the primary weapon on the LAV-25. This facility permits safe, live, all weather test firing of the chain gun in the vehicle or mounted in a test-fire fixture. The facility is completely enclosed to reduce noise and provide a safe environment for the general area.
Paved Test Track (1 Mile)	The Albany Maintenance Center's Vehicle Test Track is an oval, concrete track 20 feet wide, 10 inches thick, and one mile long. The track provides the capability to actually road test repaired/ rebuilt wheeled and tracked vehicles to ensure performance requirements are met.

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

Test Facility	Reasons Required for Maintenance
Tracked Vehicle Test Slope	The slope provides the capability for testing tracked vehicle braking, hill climbing ability, and fuel system operation, as well as gun fire-control synchronization and operation as required by maintenance criteria for tracked vehicles.
4-Axle Chassis Dyno	Fifth echelon and IROAN maintenance criteria for the LAV require vehicle dynamometer testing to verify drive train performance.
Test Pond	The test pond is necessary to test the water-tight integrity of the hulls on amphibious vehicles. The pond also affords the capability to functionally test the water propulsion units and all systems on the vehicle required to perform amphibious operations. The pond contains approximately 3.75 million gallons of water, is 15 feet deep, and is constructed of reinforced concrete.
25MM Firing Range	To ensure proper weapon function, the chain gun must be test fired. Test-firing the gun in the vehicle also ensures proper function of the feed chutes and interactive controls and switches.

Paved Test Track (1 Mile)	All wheeled and tracked vehicles which undergo maintenance at the Maintenance Center are tested to ensure that drive train, brake, steering, and suspension components and systems meet required performance specifications.

Facilities and Equipage, continued

6. Unique or Peculiar Facilities, continued

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

Test Facility	Describe Testing Alternatives
Tracked Vehicle Test Slope	No alternative exists.
4-Axle Chassis Dyno	Vehicles could be road-tested as an alternative, however, this would not permit controlled, full loading of all axles nor loading of each axle for performance data collection.
Test Pond	No other means of testing vehicles, in accordance with maintenance criteria, is available.
25MM Firing Range	No other means of test firing the 25mm chain gun are available unless the vehicle and/or the gun is transported 100 miles to another firing range. This alternative is costly in terms of time and funding, is not effective or efficient, and would be limited by weather conditions.
Paved Test Track (1 Mile)	Wheeled vehicles could be tested on public highways, with accompanying sacrifice in regard to safety and flexibility. No alternative exists for road testing tracked vehicles.

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	Area (K SF)	Condition			Use / Comments
			Adequate	Substandard	Inadequate	
214-56	Structure	1.2	X			Drain Rack
124-65	Structure	2.8	X			Fuel Storage
411-30	Structure	.8	X			2218 Fuel Storage
125-20	Structure	5.5	X			POL Storage
214-55	Structure	4	X			Steam Clean
214-55	Building	7.1	X			Steam Clean 2236
214-55	Building	6	X			Steam Clean
213-60	Building	11.8	X			Sandblast Area 2236
213-60	Building	3.6	X			Sandblast Booths
411-30	Structure	2	X			Fuel Station
831-41	Building	3.8	X			Haz Waste Sto Fac
821-09	Building	5	X			Heat Plant (Blr Rm)
821-09	Building	.8	X			2236
218-77	Building	19.4	X			Storage
218-77	Building	20.1	X			Storage
218-77	Building	8	X			Storage
218-77	Building	6	X			Storage
218-77	Building	4.8	X			Storage
218-77	Building	1.6	X			Storage
730-25	Building	.1	X			Gate House
171-50	Building	14	X			100-Meter Range
171-50	Building	3.2	X			25mm Range
171-50	Building	2.8	X			Small Arms Range
214-20	Building	5.5	X			Dyno Facility

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CCN	Facility Type	Area (K SF)	Condition			Use / Comments
			Adequate	Substandard	Inadequate	
218-77	Buildings	86.2	X			Storage
218-77	Buildings	44.1	X			Storage
211-09	Structure	12.1	X			Bore Sight Ramp
213-51	Building	12.9	X			Small Arms Repair
213-50	Building	4.5	X			Optics Repair Shop
143-70	Building	2.4	X			Nondestructive Test
740-26	Building	1.8	X			Cafeteria
217-10	Building	26.85	X			Comm/Elect Shops
213-57	Building	14.4	X			Electrics Shop
219-10	Building	2.4	X			Maint. Shop
171-10	Building	.8	X			Training Room
171-10	Building	.5	X			Training Room
171-10	Building	.7	X			Training Room
171-10	Building	.3	X			Training Room
211-80	Building	33	X			TMDE/ATSU Fac
610-10	Building	2	X			Admin. Office
610-10	Building	15.8	X			Admin. Office
610-10	Building	10.4	X			Admin. Office
610-10	Building	2.9	X			Admin. Office
740-26	Building	.7	X			Cafeteria
730-15	Building	8.1	X			Bathroom
143-70	Building	1.1	X			RADIAC Facility
218-77	Building	.2	X			Storage
141-60	Building	2.8	X			Photo Lab
310-13	Building	.9	X			Chemistry Lab
441-30	Building	2.4	X			Flammable Storage
441-30	Building	.4	X			Flammable Storage
219-30	Building	18.1	X			Painting
219-30	Building	26.8	X			Painting
219-30	Building	8.6	X			Painting
219-30	Structure	2.2	X			Undercoat Ramp
371-15	Structure	9 AC	X			LASER Range

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CCN	Facility Type	Area (K SF)	Condition			Use / Comments
			Adequate	Substandard	Inadequate	
390-14	Structure	6 AC	X			Paved Test Track
390-14	Structure	10 AC	X			Dirt Test Track
179-55	Structure	20	X			Test Pond
134-70	Structure	8.1	X			Radar Test Pad
831-15	Structure	2 AC	X			Ind Waste Treat Plant
831-14	Building	.4	X			IWTP Bldg
852-10	Structure	78.1	X			Parking
852-10	Structure	39 AC	X			Hardstand
214-53	Building	239.3	X			Combat Veh Shops
910	Land	50 AC	X			Unimproved Land
TOTAL SQUARE FEET		832.1				
TOTAL ACREAGE		116				

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.

There are no underutilized facilities at the Albany Maintenance Center, consequently, space available for expansion cannot be identified.

Table 7.2.a: **Space Available for Expansion**

Building ID / Type	CCN	Installation Space (KSF)			Total
		Adequate	Substandard	Inadequate	

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Building ID / Type	CCN	Installation Space (KSF)			Total
		Adequate	Substandard	Inadequate	
TOTAL:					

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
CARC Paint Facility	The CARC Paint Facility (completed in 1990) is a state-of-the-art structure that permits year-round, all-weather, CARC painting operations. It is environmentally compliant with the Clean Air Act Amendments. During Operations Desert Shield/Storm, over 36,000 Principal End Items (PEI's) were processed through this facility.
Chrome Plating Facility	The Chrome Plating Facility (placed into service in 1992) allows reclamation of worn parts by build-up of industrial chrome plating. The facility features a closed-loop system that provides for the containment of hazardous waste by-products produced as a result of the chrome plating process. These by-products are disposed of in accordance with Federal, State, and local laws governing hazardous waste disposition. The Chrome Plating Facility is also equipped with air scrubbers that prevent water and air pollution.
Engine Dynamometer	This facility contains six dynamometers -- two 250 horsepower (HP), two 500 HP, one 750 HP, and one 1500 HP -- capable of performance testing engines while measuring all performance parameters including torque, engine oil pressure/temperature, coolant temperature, crankcase pressure, fuel pressure/temperature, and other engine performance characteristics as well as horsepower. Engine cooling employs a water recirculation system that provides for water conservation and reduction of industrial waste effluent.
CNC Machining	Computer Numeric Controlled (CNC) machining is a capability that reduces multiple setup operations by 80%, increases quality by close tolerance repeatability, and reduces the need for specialty type tooling for complex machining of parts. For example, the 3-Axis VMC 200 mill has a tool rack capable of holding (60) individual tools and can be programmed to perform a number of machining operations start-to-finish, automatically. CNC milling machines, lathes, punch presses, and a robotic welder are located throughout the Albany Maintenance Center enhancing the ability to manufacture needed parts or components that are obsolete or not in the Federal Supply System. The VMC 200 Mill was used during Operations Desert Shield/Storm to remanufacture drive sprockets for the AAV. The drive sprockets were not available in the Federal Supply System nor from the manufacturer. The service life of a new sprocket was only about 100 hours in the desert sand, thus requiring a significant effort to keep the operational forces supplied with replacement sprockets as they prepared for the assault into Kuwait.
Communications/ Electronics Repair	The Albany Maintenance Center has a wide range of electronic test and repair capabilities to support the full spectrum of communication equipment and is the DOD sole-source repair facility to for the Unit Level Circuit Switch (ULCS) (includes the AN/TTC-42 Shelter and the SB-3685 Switchboard); SB-3614 Automated Switchboard; AN/UYG-3 Airborne-Mobile Direct Air Support Central; AN/PRC-68A/68B Hand-Held Radios; AN/PRC-127/128/136 Radio Sets; and the AN/PRC-104/104B High Frequency (HF) Radio Sets. The Maintenance Center supports not only the Marine Corps on these items, but the U.S. Army, Navy, Air Force, and several foreign allies as well. The Maintenance Center also repairs radars, radio sets, communication centers, and mine detectors.
Abrasive Blast Facility	The Abrasive Blast Facility (19,600 square feet) is a state-of-the-art cleaning facility that permits year-round, indoor, centralized abrasive blast, steam cleaning, phosphate coating, and parts washing capabilities. The structure houses four blast booths with the capability for multi-media abrasive blast (sand, steel shot, plastic, glass bead, and a Bicarbonate of Soda System (BOSS)); six high pressure, hot-water-and-soap steam cleaning stations; and a parts washer (high pressure, hot-water-and-soap) with a turntable 10 feet in diameter and a four-ton hoist that allows cleaning of multiple parts and components at one time. This modern facility also contains Rotoblast, Tumble Blast, and Bead Blast machines. Additionally, there are two steam cleaning pits to allow vehicle undercarriage access and a phosphate coating tank with hot and cold water rinse. To permit phosphate coating of large parts, a one-ton bridge crane is mounted above the tank. The facility also has its own boilers for steam generation and its own oil and water separator. The Abrasive Blast Facility complies with Federal, State, and local environmental laws.

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Facilities and Equipage, continued

8. Unique and/or Peculiar Capabilities and Capacities

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
Four-Axle Chassis Dynamometer	The Albany Maintenance Center possesses the world's only Four-Axle Chassis Dynamometer which was specifically designed to test all variants of the Light Armored Vehicle (LAV). This dynamometer has been in use since 1985 and allows the LAV to be subjected to various load conditions which simulate actual road circumstances while quantitatively determining horsepower output and speed independently at each drive axle. This ensures that each component in the drive train is functioning properly. The Four-Axle Chassis Dynamometer significantly reduces the likelihood that a vehicle with a single marginal transfer or drive axle could be passed if the total system was within specifications. The Maintenance Center also operates a Three-Axle Chassis Dynamometer which supports all two- and three-axle wheeled vehicles.
Cross-Drive Transmission Dynamometer	The Cross-Drive Transmission Dynamometer is used to test the transmissions in tracked combat vehicles, such as the M-88 Tank Retriever and the Assault Amphibian Vehicle (AAV). The unique features of the facility are the 500 horsepower drive source and the capability to apply load to the output shafts in the dynamic state. It provides for a full range of dynamic tests which simulate actual road conditions and measure transmission torque, speed, fluid pressures and temperatures and other operating characteristics.
In-Line Transmission Dynamometer	The In-Line Transmission Dynamometer tests conventional transmissions used in all wheeled vehicles. This dynamometer measures all performance parameters under conditions which simulate actual operation in the vehicle.
100-Meter Test-Fire Range	The 100 Meter Test-Fire Range is an all-weather, enclosed facility used to support accuracy testing of a variety of service rifles and machine guns prior to release to the Fleet Marine Force (FMF). Acceptance criteria of the weapons requires that a certain number of the rounds fired be grouped within a defined diameter on the target when fired at a distance of 100 meters. The weapon is also function fired to ensure the proper cyclic rate of fire (rounds per minute). This test-fire range ensures the dependability, reliability, and quality of the weapons rebuilt at the Albany Maintenance Center.
25MM Chain Gun Test-Fire Facility	The 25 millimeter Chain Gun is the primary weapon on the LAV-25. This facility is closed and permits safe, live, all-weather test firing of the Chain Gun in or out of the vehicle. Experience with this weapon system has demonstrated that test firing is extremely important, particularly since many of the completed LAV-25's are loaded directly to MPF ships and may be required to fire the first time in combat.
Tracked Vehicle Test Slope	The Tracked Vehicle Test Slope is an elevated, concrete test ramp that provides 30 and 60 percent grades for tracked vehicle testing and evaluation. Braking, hill climbing ability, and fuel system operation, as well as gun fire-control synchronization and operation are among the tests performed on the slope.
Test Pond	The Test Pond is used to test amphibious vehicles, such as the LAV and the AAV and other watercraft, such as the Bridge Erection Boat. The facility is equipped with thrust-measurement instrumentation to quantitatively measure the thrust produced by the water propulsion system. Water-tight integrity of the hull, vehicle steering, and bilge pump operation are also tested here. The pond contains approximately 3.75 million gallons of water and is 15 feet deep. facility construction.
Paved Vehicle Test Track	The Albany Maintenance Center's Vehicle Test Track is an oval, concrete track 20 feet wide, 10 inches thick, and one mile long, and has banked curves to allow continuous high-speed testing. All wheeled and tracked vehicles which undergo maintenance at the Maintenance Center are tested here to ensure that drive train, brake, steering, and suspension components and systems meet required performance specifications.

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**

Land Use	Total Acres	Developed Acreage	Available for Development	
			Restricted	Unrestricted
Maintenance	116	116	565**	1,635***
Operational				
Training	16	16	565**	1,635***
R & D	115	15	565**	1,635***
Supply & Storage	428	100	565**	1,635***
Admin	57	57	565**	1,635***
Housing	280	280	565**	1,635***
Recreational	2,326*	126	565**	1,635***
Forestry Program	2,200*			
Agricultural Outlease Program	208		565**	1,635***
Hunting/Fishing Programs	2,200*	5		
Other	47	47	565**	1,635***
Total:	7,993*	762	5,085*	14,715***

*** The total acres of Recreational, Navy Forestry Program, and Hunting and Fishing Programs include 2,200 acres used jointly by all three areas.**

**** There are approximately 565 acres of land for which development would be restricted: 250 acres of Potential Sources of Contamination, 100 acres of wetlands and 215 acres within the safety arc of the Small Arms Firing Range.**

***** There are approximately 1,635 acres of land available for development. This area could be developed into any of the land use**

categories list above.

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)

There is no administrative space that could be made available to the depot maintenance function

11. Industrial Waste

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

Inhibiting Factor	Provide Detailed Description

There are no inhibiting factors at the Albany Maintenance Center that would limit future expansion on the Base.

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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) See Revised table

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) (000s)			
	FY 1996	FY 1997	FY 1998	FY 1999
Amphibious Vehicles	271.0	271.0	271.0	271.0
Combat Vehicles	66.9	66.9	66.9	66.9
Tactical Vehicles	633.3	633.3	633.3	633.3
Construction Equipment	264.0	264.0	264.0	264.0
Electronics & Comm Systems	240.1	240.1	240.1	240.1
Ordn, Wpns & Munitions	326.2	326.2	326.2	326.2
Missiles	0	0	0	0
TOTAL	1,801.5	1,801.5	1,801.5	1,801.5

NOTE: These figures represent the total core allocation (Title 10 plus cover retained for other services) for Marine Corps depots and are not activity specific.

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.

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Table 12.1.a: Service Required Core UIC: M67004

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JLSC COMMODITY GROUP	Capability (DLHs) (000s)			
	FY 1996	FY 1997	FY 1998	FY 1999
Missiles				
Strategic				
Tactical/MLRS				
Amphibians				
Vehicles	114.3	115.6	114.3	114.3
Components	12.2	12.2	12.1	12.1
Ground Combat Vehicles				
Self Propelled				
Tanks	37.3	37.3	37.3	37.3
Towed Combat Veh				
Components	12.3	12.3	12.3	12.3
Comm/Elec				
Radar	12.1	15.7	8.0	11.4
Radio Comm	43.1	44.1	20.6	43.5
Wire Comm	7.5	7.5	3.0	3.5
Electronic Warfare				
Navigational Aids				
Electro-Optics/NV	0.9	0.9	1.1	0.0
Satellite/Space Sensors				
Automotive/Construction Equip	132.0	130.6	122.9	154.7
Tactical Vehicles				
Tactical Vehicles	334.6	358.7	330.5	322.0
Components	11.8	13.2	11.9	11.9
General Purpose Items				
Ground Support Equip				
Small Arms/Per Wpns	245.8	245.7	245.8	246.9
Munition/Ordnance				
Grd Generators				
Other				1.3
TOTAL	963.9	993.8	919.8	971.2

Workload and Capabilities, continued

Table 12.2.a: **Core Capability Retained for Other Services**

COMMODITY TYPE	Capability (DLHs) (000s)			
	FY 1996	FY 1997	FY 1998	FY 1999
Electronic and Communications Systems	89.3	89.3	89.3	89.3
Sea System	4.8	4.8	4.8	4.8
TOTAL	94.1	94.1	94.1	94.1

NOTE: These figures represent core capability retained for other services and are not activity specific.

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Table 12.2.a: Core Capability Retained for Other Services

JLSC COMMODITY GROUP	Capability (DLHs) (000s)			
	FY 1996	FY 1997	FY 1998	FY 1999
Comm/Elec				
Radar	18.2	21.8	25.2	18.3
Radio Comm	59.9	57.1	54.8	65.4
Wire Comm	11.2	10.4	9.3	5.6
Electronic Warfare				
Navigational Aids				
Electro-Optics/NV				
Satellite/Space Sensors				
TOTAL	89.3	89.3	89.3	89.3

Workload and Capabilities, continued

12. Core Capabilities (DOD), continued

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) (000s)			
	FY 1996	FY 1997	FY 1998	FY 1999
Amphibious Vehicles	271.0	271.0	271.0	271.0
Combat Vehicles	66.9	66.9	66.9	66.9
Tactical Vehicles	633.3	633.3	633.3	633.3
Construction Equipment	264.0	264.0	264.0	264.0
Electronics & Comm Systems	240.1	240.1	240.1	240.1
Ordn, Wpns & Munitions	326.2	326.2	326.2	326.2
Missiles	0	0	0	0
TOTAL	1,801.5	1,801.5	1,801.5	1,801.5

NOTE: These figures represent core capability retained for other services and are not activity specific.

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

JLSC COMMODITY GROUP	Capability (DLHs) (000s)			
	FY 1996	FY 1997	FY 1998	FY 1999
Missiles				
Strategic				
Tactical/MLRS				
Amphibians				
Vehicles	114.3	115.6	114.3	114.3
Components	12.2	12.2	12.1	12.1
Ground Combat Vehicles				
Self Propelled				
Tanks	37.3	37.3	37.3	37.3
Towed Combat Veh				
Components	12.3	12.3	12.3	12.3
Comm/Elec				
Radar	12.1	15.7	8.0	11.4
Radio Comm	43.1	44.1	20.6	43.5
Wire Comm	7.5	7.5	3.0	3.5
Electronic Warfare				
Navigational Aids				
Electro-Optics/NV	0.9	0.9	1.1	0.0
Satellite/Space Sensors				
Automotive/Construction Equip	132.0	130.6	122.9	154.7
Tactical Vehicles				
Tactical Vehicles	334.6	358.7	330.5	322.0
Components	11.8	13.2	11.9	11.9
General Purpose Items				
Ground Support Equip				
Small Arms/Per Wpns	245.8	245.7	245.8	246.9
Munition/Ordnance				
Grd Generators				
Other				1.3
TOTAL	963.9	993.8	919.8	971.2

Workload and Capabilities, 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 13.1.a: **Total Core Workloads** See Revised table

COMMODITY GROUP	Workload (DLHs) (000s)			
	FY 1996	FY 1997	FY 1998	FY 1999
Amphibious Vehicles	126.5	127.8	126.4	126.4
Combat Vehicles	49.6	49.6	49.6	49.6
Tactical Vehicles	346.4	371.9	342.4	333.9
Construction Equipment	132.0	130.6	122.9	154.7
Electronics & Comm Systems	152.9	157.5	122.0	147.7
Ordn, Wpns & Munitions	245.8	245.7	245.8	248.2
General Purpose Eqmt				
Other End Items				
TOTAL	1,053.2	1,083.1	1,009.1	1,060.5

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.

Table 14.1.a: **FMS Non-Core Workload** See Revised tab

COMMODITY GROUP	Workload (DLHs) (000s)			
	FY 1996	FY 1997	FY 1998	FY 1999

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Table 13.1.a: Total Core Workloads

JLSC COMMODITY GROUP	Capability (DLH#) (000s)			
	FY 1996	FY 1997	FY 1998	FY 1999
Amphibians				
Vehicles	114.3	115.6	114.3	114.3
Components	12.2	12.2	12.1	12.1
Ground Combat Vehicles				
Self Propelled				
Tanks	37.3	37.3	37.3	37.3
Towed Combat Veh				
Components	12.3	12.3	12.3	12.3
Comm/Elec				
Radar	30.3	37.5	33.2	29.7
Radio Comm	103.0	101.2	75.4	109.2
Wire Comm	18.7	17.9	12.3	9.1
Electronic Warfare				
Navigational Aids				
Electro-Optics/NV	0.9	0.9	1.1	0.0
Satellite/Space Sensors				
Automotive/Construction Equip	132.0	130.6	122.9	154.7
Tactical Vehicles				
Tactical Vehicles	334.6	358.7	330.5	322.0
Components	11.8	13.2	11.9	11.9
General Purpose Items				
Ground Support Equip				
Small Arms/Per Wpns	245.8	245.7	245.8	246.9
Munition/Ordnance				
Grd Generators				
Other				1.3
TOTAL	1,053.3	1,083.1	1,009.1	1,060.8

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Table 14.1.a: **FMS Non-Core Workload**

JLSC COMMODITY GROUP	Capability (DLHs) (000s)			
	FY 1996	FY 1997	FY 1998	FY 1999
Ground Combat Vehicles Self Propelled Tanks Towed Combat Veh Components	2.0	2.0	2.0	2.0
Comm/Elec Radar Radio Comm Wire Comm Electronic Warfare Navigational Aids Electro-Optics/NV Satellite/Space Sensors	0.8	0.8	0.8	0.8
Other	0.1	0.1	0.1	0.1
TOTAL	2.9	2.9	2.9	2.9

Combat Vehicles	2.0	2.0	2.0	2.0
Electronics & Comm Systems	.8	.8	.8	.8
Other End Items	.1	.1	.1	.1
TOTAL	2.9	2.9	2.9	2.9

Workload and Capabilities, continued

14. Other Workloads (Above Core), continued

Table 14.1.b: **Interservice Above Core Workload**

COMMODITY GROUP	**Workload (DLHs) (000s)**			
	FY 1996	**FY 1997**	**FY 1998**	**FY 1999**
Electronics and Communications Systems	6.0	6.0	6.0	6.0
TOTAL	6.0	6.0	6.0	6.0

Table 14.1.c: **Other Agency Non-Core Workload**

COMMODITY GROUP	**Workload (DLHs) (000s)**			
	FY 1996	**FY 1997**	**FY 1998**	**FY 1999**
NONE				
TOTAL				

Table 14.1.d: **Last Source of Repair Workload**

14.1d Dec Revised Table

Activity: M67004

COMMODITY GROUP	Workload (DLHs) (000s)			
	FY 1996	FY 1997	FY 1998	FY 1999
Electronics and Communications Systems			21.2	22.7
TOTAL			21.2	22.7

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Table 14.1.d: Last Source of Repair Workload HSC: M67004 MCLB Albany

JLSC COMMODITY GROUP	Capability (DLHs) (000s)			
	FY 1996	FY 1997	FY 1998	FY 1999
Comm/Elec Radar Radio Comm Wire Comm Electronic Warfare Navigational Aids Electro-Optics/NV Satellite/Space Sensors	13.0	13.0	13.0	13.0
Automotive/Construction Equip	9.5	9.5	9.5	9.5
Tactical Vehicles Tactical Vehicles Components	1.1	1.1	1.1	1.1
TOTAL	23.6	23.6	23.6	23.6

Workload and Capabilities, continued

14. Other Workloads (Above Core), continued

Table 14.1.e: **Within Service Above Core Workload**

COMMODITY GROUP	Workload (DLHs) (000s)			
	FY 1996	FY 1997	FY 1998	FY 1999
NONE				
TOTAL				

Table 14.1.f: **Low Quantity Above Core Workload** See Revised table

COMMODITY GROUP	Workload (DLHs) (000s)			
	FY 1996	FY 1997	FY 1998	FY 1999
Amphibious Vehicles			18.9	46.2
TOTAL			18.9	46.2

Table 14.1.g: **All Other Workload (Non-Core)** See Revised table

COMMODITY GROUP	Workload (DLHs) (000s)			
	FY 1996	FY 1997	FY 1998	FY 1999
Amphibious Vehicles	28.3	28.3	28.3	28.3
Combat Vehicles	17.2	17.2	17.2	17.2
Tactical Vehicles	98.4	98.4	98.4	98.4
Construction Equipment	19.1	19.1	19.1	19.1
Electronics & Comm Systems	30.7	30.7	30.7	30.7

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Table 14.1.f: Low Quantity Above Core Workload

JLSC COMMODITY GROUP	Capability (DLHs) (000s)			
	FY 1996	FY 1997	FY 1998	FY 1999
Comm/Elec Radar Radio Comm Wire Comm Electronic Warfare Navigational Aids Electro-Optics/NV Satellite/Space Sensors				0.6
General Purpose Items Ground Support Equip Small Arms/Per Wpns Munition/Ordnance Grd Generators Other				51.1
TOTAL				51.7

UIC: M67004 Revised for table

MCLB Albany

Table 14.1.g: All Other Workload (Non-Core)

JLSC COMMODITY GROUP	Capability (DLHs) (000s)			
	FY 1996	FY 1997	FY 1998	FY 1999
Amphibians				
Vehicles	4.4	4.4	20.0	20.0
Components	13.9	13.9	13.9	13.9
Ground Combat Vehicles				
Self Propelled				
Tanks	1.4	7.6	7.6	7.6
Towed Combat Veh				
Components	11.4	12.1	12.1	12.1
Comm/Elec				
Radar	3.2	3.2	3.2	3.2
Radio Comm	15.9	16.0	15.9	16.0
Wire Comm	6.1	6.1	6.1	6.1
Electronic Warfare				
Navigational Aids				
Electro-Optics/NV	0.8	0.8	0.8	0.8
Satellite/Space Sensors				
Automotive/Construction Equip	0.0	15.2	15.4	16.1
Tactical Vehicles				
Tactical Vehicles	25.9	62.1	121.8	121.8
Components	2.2	3.3	3.3	3.3
General Purpose Items				
Ground Support Equip	8.4	8.4	8.4	8.4
Small Arms/Per Wpns	59.4	110.9	118.6	118.5
Munition/Ordnance			0.3	0.3
Grd Generators	4.9	4.9	4.9	4.9
Other	1.7	1.7	2.0	2.0
Software				
Tactical Systems	2.0	2.0	2.0	2.0
Support Equipment				
Special Interest Items				
Bearings Refurbishment				
Calibration (Type I)				
TMDE	58.2	60.5	75.9	101.6
Other	87.1	87.1	87.1	87.1
TOTAL	306.9	420.2	519.3	545.7

Activity: M67004

COMMODITY GROUP	Workload (DLHs) (000s)			
	FY 1996	FY 1997	FY 1998	FY 1999
Ordn, Wpns & Munitions	8.5	8.5	8.5	8.5
General Purpose Eqmt	13.3	13.3	13.3	13.3
Other End Items	125.7	131.5	177.6	173.4
TOTAL	341.2	347.0	393.1	388.9

Workload and Capabilities, continued

14. Other Workloads (Above Core), continued

Table 14.1.h: **Total Above Core Workload**
(Sum of Tables 14.1.a through 14.1.g)

COMMODITY GROUP	Workload (DLHs) (000s)			
	FY 1996	FY 1997	FY 1998	FY 1999
Amphibious Vehicles	28.3	28.3	47.2	74.5
Combat Vehicles	19.2	19.2	19.2	19.2
Tactical Vehicles	98.4	98.4	98.4	98.4
Construction Equipment	19.1	19.1	19.1	19.1
Electronics & Comm Systems	37.5	37.5	58.7	60.2
Ordn, Wpns & Munitions	8.5	8.5	8.5	8.5
General Purpose Eqmt	13.3	13.3	13.3	13.3
Other End Items	125.8	131.6	177.7	173.5
TOTAL	350.1	355.9	442.1	466.7

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MCLB Albany

Table 14.1.h: Total Above Core Workload

JLSC COMMODITY GROUP	Capability (DLHs) (000s)			
	FY 1996	FY 1997	FY 1998	FY 1999
Amphibians				
Vehicles	4.4	4.4	20.0	20.0
Components	13.9	13.9	13.9	13.9
Ground Combat Vehicles				
Self Propelled	1.4	7.6	7.6	7.6
Tanks				
Towed Combat Veh	13.4	14.1	14.1	14.1
Components				
Comm/Elec				
Radar	4.0	4.0	4.0	4.0
Radio Comm	28.9	29.0	28.9	29.6
Wire Comm	6.1	6.1	6.1	6.1
Electronic Warfare				
Navigational Aids				
Electro-Optics/NV	0.8	0.8	0.8	0.8
Satellite/Space Sensors				
Automotive/Construction Equip	9.5	24.7	24.9	25.6
Tactical Vehicles				
Tactical Vehicles	25.9	62.1	121.8	121.8
Components	3.3	4.4	4.4	4.4
General Purpose Items				
Ground Support Equip	8.4	8.4	8.4	59.5
Small Arms/Per Wpns	59.4	110.9	118.6	118.5
Munition/Ordnance			0.3	0.3
Grd Generators	4.9	4.9	4.9	4.9
Other	1.7	1.7	2.0	2.0
Software				
Tactical Systems	2.0	2.0	2.0	2.0
Support Equipment				
Special Interest Items				
Bearings Refurbishment				
Calibration (Type I)	58.2	60.5	75.9	101.6
TMDE				
Other	87.2	87.2	87.2	87.2
TOTAL	333.4	446.7	545.8	623.9

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** See Revised table

COMMODITY GROUP	Workload (DLHs) (000s)			
	FY 1996	FY 1997	FY 1998	FY 1999
Amphibious Vehicles	126.5	127.8	126.4	126.4
TOTAL	126.5	127.8	126.4	126.4

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.

Table 15.2: **Non-Core Unique and/or Peculiar Workload**

COMMODITY GROUP	Workload (DLHs) (000s)			
	FY 1996	FY 1997	FY 1998	FY 1999
NONE				
TOTAL				

 Revised for MCLB Albany

Table 15.1: Unique and/or Peculiar Total Core Workload

JLSC COMMODITY GROUP	Capability (DLHs) (000s)			
	FY 1996	FY 1997	FY 1998	FY 1999
Amphibians				
Vehicles	114.3	115.6	114.3	114.3
Components	12.2	12.2	12.1	12.1
TOTAL	126.5	127.8	126.4	126.4

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
Operational management and execution of the Marine Corps' Automatic Test Equipment Program (ATEP)	This service/function provides the operational management and technical expertise required to manage the deployment and life cycle support of Weapon System Test Programs and Automatic Test Equipment on a Marine Corps-wide basis.
Special Projects	The Special Projects function is to provide design, prototyping, testing development, and limited fabrication for new systems or components, or functional modification to existing systems or components

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
Operational management and execution of the Marine Corps' Automatic Test Equipment Program (ATEP)	This organization acts as an agent for MARCORSYSCOM in providing this service on a reimbursable basis. Accomplishment of this function by the Albany Maintenance Center significantly benefits MARCORSYSCOM by making available the organization's Maintenance Engineering expertise to the ATEP and greatly benefits the Maintenance Center by supporting the development of a highly skilled technical staff skilled in process automation.
Special Projects	The capabilities for design, prototyping, and fabrication, which are required for this function, enhance the capabilities for the maintenance mission by providing supplemental expertise in solving problems relating to equipment undergoing maintenance. This function also provides more efficient utilization of equipment by providing supplemental workload in under-utilized areas.

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
Customer Service Program	Our aggressive **Customer Service Program** provides our customers with a direct line of communication to resolve concerns and provide technical advice. We interface with customers through direct contact, on-site visits, surveys, and electronic mail. Our **24-Hour, Toll-Free Customer Service Number, 1-800-952-3352,** ensures that concerns or requests are noted and acted upon in a timely manner, regardless of the time of day. Our Total Quality effort is an approach to management which concentrates on giving top value to our customers by building excellence into every aspect of our organization. Our focus is on the quality of every product, service, and process within our business which ultimately results in complete customer satisfaction.
Operational management and execution of the Marine Corps' Automatic Test Equipment Program (ATEP)	Execution of this function requires a close interface with the "specifying customer," MARCORSYSCOM and with the "end user," the FMF. A close relationship is required with MARCORSYSCOM in order to coordinate project/program acquisition, design, development, and fielding requirements of both ATE Systems and Weapon System maintenance support development projects. The very nature of the interface with FMF customers is on the close coordination in providing technical assistance to resolve ATE-related maintenance problems, providing New Equipment Training (NET), and obtaining feedback on viability of fielded maintenance support systems.

MEASURES OF MERIT

Costs [1]

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)?

$915.2K (Includes both Major Maintenance and Building Maintenance.)

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)	1,764.0	2,251.0	2,091.0	1,833.0

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)	36,531.1	42,636.5	61,991.0	63,422.1
$ / DLH	36.61	37.46	41.50	40.69

NOTE: (1) The Annual Operating Costs (AOC) reported excludes direct material.
(2) Due to the Marine Corps' Multi-Commodity approach to maintenance, the $/DLH cannot be used to compare with other Services. In addition, these costs/hour have NOT been leveled using the DOD Cost Comparability Handbook.

[1]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	927.0	1,237.0	1,183.0	1,516.0				
Programmed					1,456.0	1,482.0	1,543.0	1,554.0

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?

There will be no backlog.

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	12.82	13.35	13.34	14.42

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**

Activity: M67004

TYPE	FY 1996	FY 1997	FY 1998	FY 1999
NEW MISSION ($K)	470	368	418	398
REPLACEMENT ($K)	686	675	682	679

Data Call 17
MCLB Albany & MCLB Barstow

Table 1.2.2

BRAC-95 CERTIFICATION

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

Mary P. VanMullekom
NAME (Please type or print)

Signature

AsstSecHd, Maintenance Policy
Title

13 Sep 94
Date

LogPlanPolandStratMob Div
Division

Installations and Logistics
Department

Headquarters, U.S. Marine Corps
Activity

Enclosure (1)

Tables 1.1a, 1.3a, 3.1a, 3.1b,

Data Call 17
Supplemental Information
MCLB Albany

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 of print _____ Signature _____

Title _____ Date _____

Activity _____

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

MAJOR CLAIMANT LEVEL

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 belief.

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

NAME (Please type of print _____ Signature _____

Title _____ Date 9/9/94

BRAC-95 CERTIFICATION

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

J. A. O'Donovan
NAME (Please type or print)

Signature

Hd, Materiel Policy and Readiness Br
Title

Date

Log Pln Pol & Strat Mob Division
Division

I&L Department
Department

HQMC
Activity

Enclosure (1)

DATA CALL 17
MCLB ALBANY

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 of print

Signature

Title

Date

Activity

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

MAJOR CLAIMANT LEVEL

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 belief.

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

NAME (Please type of print

Signature

DC/S I&L

Title

10/20/94

Date

DATA CALL 17
MCLB BARSTOW

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 of print

Signature

Title

Date

Activity

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

MAJOR CLAIMANT LEVEL

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 belief.

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

NAME (Please type of print

Signature

DC/S I&L

Title

10/20/94

Date

1. Capacity Utilization, continued

Table 1.1.a: Capacity Index (Based on Core)

JLSC COMMODITY GROUP	INDEX (DLH) (000)				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
Missiles					
Strategic					
Tactical/MLRS					
Amphibians					
Vehicles	251.3	131.9	129.7	137.6	130.9
Components	30.8	14.1	13.7	14.6	13.9
Ground Combat Vehicles					
Self Propelled					
Tanks	67.4	43.0	41.8	44.9	42.7
Towed Combat Veh					
Components	22.3	14.2	13.8	14.8	14.1
Comm/Elec					
Radar	27.2	35.0	42.1	40.0	34.0
Radio Comm	75.6	118.8	113.5	90.8	125.1
Wire Comm	28.7	21.6	20.1	14.8	10.4
Electronic Warfare					
Navigational Aids					
Electro-Optics/NV	1.2	1.0	1.0	1.3	
Satellite/Space Sensors					
Automotive/Construction Equip	53.5	152.3	146.5	148.0	177.2
Tactical Vehicles					
Tactical Vehicles	308.5	386.0	402.4	398.0	368.8
Components	21.4	13.6	14.8	14.3	13.6
General Purpose Items					
Ground Support Equip	20.1				
Small Arms/Per Wpns	119.3	283.6	275.7	296.0	282.8
Munition/Ordnance	1.0				
Grd Generators	5.7				
Other	5.0				
Sea Systems					
Ships					
Weapon System					
Software					
Tactical Systems					
Support Equipment					
Special Interest Items					
Bearings Refurbishment					
Calibration (Type I)					
TMDE					
Other					1.6
TOTAL	1,215.1	1,215.1	1,215.1	1,215.1	1,215.1

FOOTNOTE: SEE INTRODUCTION PAGE 5

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 (Based on Workload)

JLSC COMMODITY GROUP	INDEX (%)				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
Missiles					
Strategic					
Tactical/MLRS					
Amphibians					
Vehicles	24.5	24.5	25.0	24.5	24.5
Components	3.0	2.5	2.6	2.6	2.6
Ground Combat Vehicles					
Self Propelled					
Tanks	6.6	3.1	3.1	3.1	3.1
Towed Combat Veh					
Components	2.2	1.7	1.7	1.7	1.7
Comm/Elec					
Radar	2.7	2.0	2.5	1.9	1.9
Radio Comm	7.4	8.2	8.3	6.0	8.1
Wire Comm	2.8	1.6	1.5	1.1	1.0
Electronic Warfare					
Navigational Aids					
Electro-Optics/NV	0.1	0.2	0.2	0.2	0.1
Satellite/Space Sensors					
Automotive/Construction Equip	5.2	2.0	5.6	5.6	4.5
Tactical Vehicles					
Tactical Vehicles	30.1	40.1	43.3	49.3	54.8
Components	2.1	1.0	1.0	1.0	1.0
General Purpose Items					
Ground Support Equip	2.0	0.6	0.6	0.6	4.9
Small Arms/Per Wpns	11.7	9.6	13.6	13.6	13.5
Munition/Ordnance	0.1	0.0	0.0	0.0	0.0
Grd Generators	0.6	0.5	0.5	0.4	0.4
Other	0.5	0.2	0.2	0.2	0.2
Sea Systems					
Ships					
Weapon System					
Software					
Tactical Systems	0.0	0.5	0.5	0.5	0.5
Support Equipment					
Special Interest Items					
Bearings Refurbishment					
Calibration (Type I)					
TMDE	8.6	8.4	8.4	8.4	8.4
Other	8.4	7.4	7.3	7.3	7.4

FOOTNOTE: SEE INTRODUCTION PAGE

1. Capacity Utilization, continued

Table 1.2.a: Utilization Index (Based on Core)

JLSC COMMODITY GROUP	INDEX (%)				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
Missiles					
Strategic					
Tactical/MLRS					
Amphibians					
Vehicles		86.7	89.1	83.1	87.3
Components		86.5	89.1	82.9	87.1
Ground Combat Vehicles					
Self Propelled					
Tanks		86.7	89.2	83.1	87.4
Towed Combat Veh					
Components		86.6	89.1	83.1	87.2
Comm/Elec					
Radar		86.6	89.1	83.0	87.4
Radio Comm		86.7	89.2	83.0	87.3
Wire Comm		86.6	89.1	83.1	87.5
Electronic Warfare					
Navigational Aids					
Electro-Optics/NV		90.0	90.0	84.6	
Satellite/Space Sensors					
Automotive/Construction Equip		86.7	89.1	83.0	87.3
Tactical Vehicles					
Tactical Vehicles		86.7	89.1	83.0	87.3
Components		86.8	89.2	83.2	87.5
General Purpose Items					
Ground Support Equip					
Small Arms/Per Wpns		86.7	89.2	83.0	87.3
Munition/Ordnance					
Grd Generators					
Other					
Sea Systems					
Ships					
Weapon System					
Software					
Tactical Systems					
Support Equipment					
Special Interest Items					
Bearings Refurbishment					
Calibration (Type I)					
TMDE					
Other					81.3

FOOTNOTE: SEE INTRODUCTION PAGE 5

1. Capacity Utilization, continued

Table 1.3.a: Maximum Potential Capacity *

JLSC COMMODITY GROUP	INDEX (DLHs) (000s)				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
Missiles					
Strategic					
Tactical/MLRS					
Amphibians					
Vehicles	404.3	420.2	388.2	374.9	345.9
Components	38.6	33.6	30.9	30.9	28.5
Ground Combat Vehicles					
Self Propelled					
Tanks	108.4	53.1	48.1	47.3	43.6
Towed Combat Veh					
Components	35.9	28.3	25.7	25.3	23.3
Comm/Elec					
Radar	51.7	41.2	46.0	34.2	31.5
Radio Comm	92.9	107.4	98.2	69.7	87.8
Wire Comm	35.3	20.4	18.3	12.5	10.6
Electronic Warfare					
Navigational Aids					
Electro-Optics/NV	2.0	2.9	2.6	2.6	1.6
Satellite/Space Sensors					
Automotive/Construction Equipment	86.0	34.5	86.1	84.8	63.5
Tactical Vehicles					
Tactical Vehicles	495.6	686.0	671.2	752.7	771.9
Components	26.8	13.8	12.4	12.3	11.3
General Purpose Items					
Ground Support Equip	29.4	9.3	8.5	8.3	62.7
Small Arms/Per Wpns	193.7	165.5	213.2	209.8	192.1
Munition/Ordnance	1.6	0.5	0.3	0.3	0.3
Grd Generators	8.3	8.3	7.6	5.5	5.1
Other	7.3	2.6	2.3	2.3	2.5
Sea Systems					
Ships					
Weapon System					
Software					
Tactical Systems	0.0	6.2	5.6	5.5	5.2
Support Equipment					
Special Interest Items					
Bearings Refurbishment					
Calibration (Type I)					
TMDE	128.7	128.1	116.1	114.3	105.5
Other	120.6	110.0	99.7	97.8	90.2
TOTAL	1,867.1	1,871.9	1,881.0	1,891.0	1,883.1

* With no constraints on funding, additional personnel can be hired to be available when the workforce is on leave, training, etc. Therefore, instead of using 1,615 hours per work place, a higher utilization (1,800 hours) can be used, thus allowing more work to be performed than the capacity index calculated by the Handbook method. This allows the Maintenance Center to approach the Physical Capacity Index addressed in the DOD Capacity Handbook, which is based on 2,080 hours.

Table 1.3.a: **Maximum Potential Capacity (Core Supplemental)**
*** (UPDATED 10-17-94)**

JLSC COMMODITY GROUP	INDEX (DLHs) (000s)				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
Missiles					
Strategic					
Tactical/MLRS					
Amphibious					
Vehicles	159.8	160.2	147.5	163.2	150.1
Components	35.1	37.0	32.0	31.6	29.0
Ground Combat Vehicles					
Self Propelled					
Trucks	52.1	52.2	56.2	54.5	50.1
Towed Combat Veh					
Components	38.6	34.6	32.4	32.0	29.4
Comm/Elec					
Radar	46.1	46.2	51.0	45.2	37.7
Radio Comm	177.6	178.0	160.0	126.7	155.0
Wire Comm	33.2	33.3	29.3	22.3	17.0
Electronic Warfare					
Navigational Aids					
Electro-Optics/NV	2.2	2.2	2.1	2.3	.8
Satellite/Space Sensors					
Automotive/Construction Equipment	190.4	190.9	191.0	179.7	202.6
Tactical Vehicles					
Tactical Vehicles	485.2	486.5	517.2	550.0	498.0
Components	20.2	20.2	21.6	19.7	18.1
General Purpose Items					
Ground Support Equip	11.2	11.2	10.2	10.2	66.5
Small Arms/Per Wpns	410.9	412.0	438.5	443.1	408.3
Munition/Ordnance	0.0	0.0	0.0	.4	.3
Grd Generators	6.5	6.6	6.0	5.9	5.5
Other	2.2	2.2	2.1	2.3	3.6
Sea Systems					
Ships					
Weapon System					
Software					
Tactical Systems	0	2.6	2.4	2.3	2.1
Support Equipment					
Special Interest Items					
Bearings Refurbishment					
Calibration (Type I)					
TMDE	78.2	78.4	74.[illegible]	93.7	113.6
Other	117.6	117.6	107.[illegible]	105.9	97.4
TOTAL	1867.1	1871.9	1881.[illegible]	1891.8	1883.1

* With no constraints on funding, additional personnel can be hired to be available when the workforce is on leave, training, etc. Therefore, instead of using 1,615 hours per work place, a higher utilization (1,800 hours) can be used, thus allowing more work to be performed than the capacity index calculated by the Handbook method. This allows the Maintenance Center to approach the Physical Capacity Index addressed in the DOD Capacity Handbook, which is based on 2,080 hours.

Activity: M67004

CAPACITY, continued

3. Programmed Workload, continued

Table 3.1.b: Programmed Workload

JLSC COMMODITY GROUP	DLHs (000s)				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
Missiles					
Strategic					
Tactical/MLRS					
Amphibians					
Vehicles	298.1	298.1	303.8	298.1	298.1
Components	36.5	30.6	31.0	31.5	31.5
Ground Combat Vehicles					
Self Propelled					
Tanks	80.0	37.6	37.6	37.6	37.6
Towed Combat Veh					
Components	26.4	20.1	20.1	20.1	20.1
Comm/Elec					
Radar	32.3	24.8	30.5	23.0	23.0
Radio Comm	91.3	102.7	103.6	75.1	101.6
Wire Comm	34.1	18.9	18.7	13.1	11.9
Electronic Warfare					
Navigational Aids					
Electro-Optics/NV	1.4	2.0	2.0	2.0	1.4
Satellite/Space Sensors					
Automotive/Construction Equip	63.5	24.5	67.5	67.5	54.7
Tactical Vehicles					
Tactical Vehicles	366.0	487.3	526.0	599.5	666.2
Components	25.4	12.5	12.5	12.5	12.5
General Purpose Items					
Ground Support Equip	23.8	7.3	7.3	7.3	59.5
Small Arms/Per Wpns	141.6	116.3	165.3	165.3	164.0
Munition/Ordnance	1.2	.3	.3	.3	.3
Grd Generators	6.8	6.5	6.5	4.9	4.9
Other	5.9	2.0	2.0	2.0	2.3
Sea Systems					
Ships					
Weapon System					
Software					
Tactical Systems	0.0	6.2	6.2	6.2	6.2
Support Equipment					
Special Interest Items					
Bearings Refurbishment					
Calibration (Type I)					
TMDE	106.2	101.7	101.7	101.7	101.7
Other	101.2	87.2	87.2	87.2	87.2
TOTAL	1,441.7	1,386.6	1,529.8	1,554.9	1,684.7

Activity: M67004

Table 3.1.b: Programmed Workload (CORE SUPPLEMENTAL)

UPDATED 10-17-94)

JLSC COMMODITY GROUP	DLHs (000s)				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
Missiles					
Strategic					
Tactical/MLRS					
Amphibians					
Vehicles	118.7	118.7	120.0	134.3	134.3
Components	26.1	26.1	26.1	26.0	26.00
Ground Combat Vehicles					
Self Propelled					
Tanks	38.7	38.7	44.9	44.9	44.9
Towed Combat Veh	25.7	25.7	26.4	26.4	26.4
Components					
Comm/Elec					
Radar	34.3	34.3	41.5	37.2	33.7
Radio Comm	131.9	131.9	130.2	104.3	138.8
Wire Comm	24.8	24.8	24.0	18.4	15.2
Electronic Warfare					
Navigational Aids					
Electro-Optics/NV	1.7	1.7	1.7	1.9	.8
Satellite/Space Sensors					
Automotive/Construction Equip	141.5	141.5	155.3	147.8	180.3
Tactical Vehicles					
Tactical Vehicles	360.5	360.5	420.8	452.3	443.8
Components	15.1	15.1	17.6	16.3	16.3
General Purpose Items					
Ground Support Equip	8.4	8.4	8.4	8.4	59.5
Small Arms/Per Wpns	305.2	305.2	356.6	364.4	365.4
Munition/Ordnance	4.9	4.9	4.9	.3	.3
Ord Generators	1.7	1.7	1.7	4.9	4.9
Other				2.0	3.3
Sea Systems					
Ships					
Weapon System					
Software					
Tactical Systems	2.0	2.0	2.0	2.0	2.0
Support Equipment					
Special Interest Items					
Bearings Refurbishment					
Calibration (Type I)					
TMDE	58.2	58.2	60.5	75.9	101.6
Other	87.2	87.2	87.2	87.2	87.2
TOTAL	1386.6	1386.6	1539.8	1554.9	1684.7

Activity: M67004

Workload and Capabilities, continued

15. Unique and/or Peculiar Workloads, continued

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.

Table 15.2: **Non-Core Unique and/or Peculiar Workload**

JLSC COMMODITY GROUP	Workload (DLH) (000)				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
Missiles					
Strategic					
Tactical/MLRS					
Amphibians					
Vehicles		3.4	3.4	16.4	16.4
Components		8.0	7.0	8.0	8.0
Ground Combat Vehicles					
Self Propelled					
Tanks		0.6	5.1	5.1	5.1
Towed Combat Veh					
Components		5.7	6.1	6.1	6.1
Comm/Elec					
Radar		0.8	0.8	0.8	0.8
Radio Comm		26.3	26.4	26.3	27.0
Wire Comm		5.6	5.6	5.6	5.6
Electronic Warfare					
Navigational Aids					
Electro-Optics/NV		0.2	0.2	0.2	0.2
Satellite/Space Sensors					
Automotive/Construction Equip		4.4	10.9	10.9	11.5
Tactical Vehicles					
Tactical Vehicles		14.1	33.5	65.8	65.9
Components		1.3	1.7	1.7	1.7
General Purpose Items					
Ground Support Equip					
Small Arms/Per Wpns		30.3	56.6	60.8	60.5
Munition/Ordnance					
Grd Generators					
Other		0.4	0.4	0.4	0.4
Sea Systems					
Ships					
Weapon System					
Software					
Tactical Systems					
Support Equipment					
Special Interest Items					
Bearings Refurbishment					
Calibration (Type I)					
TMDE					
Other					
TOTAL		101.1	157.7	207.8	209.2

FOOTNOTE: SEE INTRODUCTION PAGE 5

1. Capacity Utilization, continued

Table 1.1.a: Capacity Index (Based on Core)

JLSC COMMODITY GROUP	INDEX (DLH) (000)				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
Missiles					
Strategic					
Tactical/MLRS					
Amphibians					
Vehicles	131.9	131.9	129.7	137.6	130.9
Components	14.1	14.1	13.7	14.6	13.9
Ground Combat Vehicles					
Self Propelled					
Tanks	43.0	43.0	41.8	44.9	42.7
Towed Combat Veh					
Components	14.2	14.2	13.8	14.8	14.1
Comm/Elec					
Radar	35.0	35.0	42.1	40.0	34.0
Radio Comm	118.8	118.8	113.5	90.8	125.1
Wire Comm	21.6	21.6	20.1	14.8	10.4
Electronic Warfare					
Navigational Aids					
Electro-Optics/NV	1.0	1.0	1.0	1.3	
Satellite/Space Sensors					
Automotive/Construction Equip	152.3	152.3	146.5	148.0	177.2
Tactical Vehicles					
Tactical Vehicles	386.0	386.0	402.4	398.0	368.8
Components	13.6	13.6	14.8	14.3	13.6
General Purpose Items					
Ground Support Equip					
Small Arms/Per Wpns	283.6	283.6	275.7	296.0	282.8
Munition/Ordnance					
Grd Generators					
Other					
Sea Systems					
Ships					
Weapon System					
Software					
Tactical Systems					
Support Equipment					
Special Interest Items					
Bearings Refurbishment					
Calibration (Type I)					
TMDE					
Other					1.6
TOTAL	1,215.1	1,215.1	1,215.1	1,215.1	1,215.1

FOOTNOTE: SEE INTRODUCTION PAGE 5

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 (Based on Workload)**

JLSC COMMODITY GROUP	INDEX (%)				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
Missiles					
Strategic					
Tactical/MLRS					
Amphibians					
Vehicles	119%	114%	126%	128%	139%
Components	119%	114%	126%	128%	139%
Ground Combat Vehicles					
Self Propelled					
Tanks	119%	114%	126%	128%	139%
Towed Combat Veh					
Components	118%	114%	126%	128%	139%
Comm/Elec					
Radar	119%	114%	126%	128%	139%
Radio Comm	121%	118%	130%	132%	142%
Wire Comm	119%	114%	126%	128%	138%
Electronic Warfare					
Navigational Aids					
Electro-Optics/NV	117%	111%	125%	125%	140%
Satellite/Space Sensors					
Automotive/Construction Equip	119%	114%	126%	128%	138%
Tactical Vehicles					
Tactical Vehicles	119%	114%	126%	128%	139%
Components	119%	114%	126%	128%	139%
General Purpose Items					
Ground Support Equip	118%	114%	126%	128%	139%
Small Arms/Per Wpns	119%	114%	126%	128%	139%
Munition/Ordnance	120%	100%	150%	150%	150%
Grd Generators	119%	114%	125%	129%	140%
Other	118%	111%	125%	125%	135%
Sea Systems					
Ships					
Weapon System					
Software					
Tactical Systems					
Support Equipment					
Special Interest Items					
Bearings Refurbishment					
Calibration (Type I)					
TMDE	119%	114%	126%	128%	139%
Other	117%	111%	122%	124%	135%

FOOTNOTE: SEE INTRODUCTION PAGE

1. Capacity Utilization, continued

Table 1.2.a: Utilization Index (Based on Core)

JLSC COMMODITY GROUP	INDEX (%)				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
Missiles					
Strategic					
Tactical/MLRS					
Amphibians					
Vehicles	86.7	86.7	89.1	83.1	87.3
Components	86.5	86.5	89.1	82.9	87.1
Ground Combat Vehicles					
Self Propelled					
Tanks	86.7	86.7	89.2	83.1	87.4
Towed Combat Veh	86.6	86.6	89.1	83.1	87.2
Components					
Comm/Elec					
Radar	86.6	86.6	89.1	83.0	87.4
Radio Comm	86.7	86.7	89.2	83.0	87.3
Wire Comm	86.6	86.6	89.1	83.1	87.5
Electronic Warfare					
Navigational Aids	90.0	90.0	90.0	84.6	
Electro-Optics/NV					
Satellite/Space Sensors					
Automotive/Construction Equip	86.7	86.7	89.1	83.0	87.3
Tactical Vehicles					
Tactical Vehicles	86.7	86.7	89.1	83.0	87.3
Components	86.8	86.8	89.2	83.2	87.5
General Purpose Items					
Ground Support Equip					
Small Arms/Per Wpns	86.7	86.7	89.2	83.0	87.3
Munition/Ordnance					
Grd Generators					
Other					
Sea Systems					
Ships					
Weapon System					
Software					
Tactical Systems					
Support Equipment					
Special Interest Items					
Bearings Refurbishment					
Calibration (Type I)					
TMDE					
Other					81.3

FOOTNOTE: SEE INTRODUCTION PAGE 5

Workload and Capabilities, continued

15. Unique and/or Peculiar Workloads, continued

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.

Table 15.2: **Non-Core Unique and/or Peculiar Workload**

JLSC COMMODITY GROUP	Workload (DLH) (000)				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
Missiles					
Strategic					
Tactical/MLRS					
Amphibians					
Vehicles		3.4	3.4	16.4	16.4
Components		8.0	7.0	8.0	8.0
Ground Combat Vehicles					
Self Propelled					
Tanks		0.6	5.1	5.1	5.1
Towed Combat Veh					
Components		5.7	6.1	6.1	6.1
Comm/Elec					
Radar		0.8	0.8	0.8	0.8
Radio Comm		26.3	26.4	26.3	27.0
Wire Comm		5.6	5.6	5.6	5.6
Electronic Warfare					
Navigational Aids					
Electro-Optics/NV		0.2	0.2	0.2	0.2
Satellite/Space Sensors					
Automotive/Construction Equip		4.4	10.9	10.9	11.5
Tactical Vehicles					
Tactical Vehicles		14.1	33.5	65.8	65.9
Components		1.3	1.7	1.7	1.7
General Purpose Items					
Ground Support Equip					
Small Arms/Per Wpns		30.3	56.6	60.8	60.5
Munition/Ordnance					
Grd Generators					
Other		0.4	0.4	0.4	0.4
Sea Systems					
Ships					
Weapon System					
Software					
Tactical Systems					
Support Equipment					
Special Interest Items					
Bearings Refurbishment					
Calibration (Type I)					
TMDE					
Other					
TOTAL		101.1	157.7	208.1	209.2

BRAC-95 CERTIFICATION

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

J. A. O'Donovan
NAME (Please type or print)

Signature

Hd, Materiel Policy and Readiness Br
Title

Date 18 OCT 1994

Log Pln Pol & Strat Mob Division
Division

I&L Department
Department

HQMC
Activity

Enclosure (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)

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 _____

Title _____ 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.A. BRABHAM
LIEUTENANT GENERAL U.S. MARINE CORPS
DEPUTY CHIEF OF STAFF FOR
INSTALLATIONS AND LOGISTICS

NAME (Please type or print) _____ Signature _____

Title _____ Date 10/6/94

This revision supersedes and replaces in total Albany's pages 7,9,10 and 53 of the Joint Cross Service Group Depot Maintenance data call number 17. (Dated 9/30/94).

DEPARTMENT OF THE NAVY
HEADQUARTERS UNITED STATES MARINE CORPS
WASHINGTON, D.C. 20380-0001

IN REPLY REFER TO:
11000
LFL/F594

MEMORANDUM FOR THE CHAIRMAN, BASE STRUCTURE EVALUATION COMMITTEE (OASN(I&E))

Subj: DATA CALL NUMBER SEVENTEEN

Ref: (a) VChairman BSEC memo MM-0120-F3 BSAT/JC of 25 Apr 94
(b) Phoncon of 30 SEP 94 btwn Lt Col Bush (Navy BSAT) and Mary Van Mullekom (HQMC, LPP-3)

Encl: (1) MCLB Albany, GA. Activity Response page changes
(2) MCLB Barstow, CA. Activity Response page changes

1. The enclosures are provided as corrections to the response to the joint service supplemental portion of the referenced requests for data. The corrections supersede the pages they replace in the previously submitted response.

2. Points of contact for this information at this Headquarters, LFL-3, are Mr. Rich Anderson or Major G. W. Moore at (703) 696-0865.

J.A. BRABHAM
LIEUTENANT GENERAL, U.S. MARINE CORPS
DEPUTY CHIEF OF STAFF FOR
INSTALLATIONS AND LOGISTICS

DATA CALL 63
FAMILY HOUSING DATA

Information on Family Housing is required for use in BRAC-95 return on investment calculations.

Installation Name:	MCLB Albany, GA
Unit Identification Code (UIC):	M67004
Major Claimant:	HQMC

Percentage of Military Families Living On-Base:	89%	
Number of Vacant Officer Housing Units:	19	
Number of Vacant Enlisted Housing Units:	73	
FY 1996 Family Housing Budget ($000):	Ceiling Deficiency Total Requirement	$2,557 150 $2,707
Total Number of Officer Housing Units:	97	
Total Number of Enlisted Housing Units:	573	

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.

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

R. H. MYERS, Colonel	
NAME (Please type or print)	Signature
COMMANDING OFFICER	29 Jun 94
Title	Date
MCLB, BARSTOW	
Activity	

Activity: M62204

Data Call Sixty-Three, Family Housing

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

NEXT ECHELON LEVEL (if applicable)

MAJGEN J. D. STEWART
NAME (Please type or print)

COMMANDER
Title

MARCORLOGBASES, ALBANY, GA
Activity

JD Stewart
Signature

1 July 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

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.

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

NAME (Please type or print)
J.A. GRAHAM
LIEUTENANT GENERAL, U.S. MARINE CORPS
Title
DEPUTY CHIEF OF STAFF FOR
INSTALLATIONS AND LOGISTICS

Signature

8/8/94
Date

Enclosure (2)

Document Separator

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	MARINE CORPS LOGISTICS BASE ALBANY, GA
Acronym(s) used in correspondence	MCLB, ALBANY, GA
Commonly accepted short title(s)	MCLB, ALBANY

- Complete Mailing Address

Commanding General (Code 1)
Marine Corps Logistics Base
814 Radford Blvd.
Albany, GA 31704-1128

- PLAD: **COMMARCORLOGBASES ALBANY GA//---//**

- PRIMARY UIC: **M67004**
  (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): M38440 PURPOSE: TABLE OF EQUIPMENT

2. **PLANT ACCOUNT HOLDER**:

- Yes X No _____ (check one)

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
MCLB Barstow	Barstow, CA	M62204
Blount Island Command	Jacksonville, FL	M92502
Boyette Village Housing Area	Approximately 6 miles northwest of MCLB Albany	M67004
Child Development Center, Outpatient Clinic, Seven-Day Store	Bldg. 9700, McAdams Road, Albany, GA	M67004

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

Name	UIC	Location	Host name	Host UIC
NBC Test & Eval. Unit (East)	M92845	Camp Lejeune, NC	MCB Camp Lejeune, NC	M31000
NBC Test & Eval. Unit (West)	M92846	Camp Pendleton, CA	MCB Camp Pendleton, CA	M33000
NBC Test & Eval. Unit (WESTPAC)	M92847	Okinawa	MCB Camp Butler, Okinawa	M20200

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.

No.

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

***Current Missions identified by an asterick (*) are repeated in the Current Unique Missions.**

* Serve as the Headquarters for Marine Corps Logistics Bases that exercises administrative and operational control over MCLB Albany and Blount Island Command and exercises operational control over MCLB Barstow.

* Provide maintenance and maintenance-related products and services which meet our customers needs in cost, quality, and schedule.

* Manage and direct world-wide Integrated Logistics Support of weapon systems throughout the Marine Corps.

* Manage and direct world-wide logistics functions in support of the Marine Corps' two prepositioning programs -- Maritime Prepositioned Ships and Norway Air-Landed Marine Expeditionary Brigade.

* Serve as focal point for Weapon Systems/Equipment Management, encompassing all facets of materiel and maintenance management and acquisition/provisioning program support for Marine Corps ground combat equipment world-wide. Direct the maintenance and materiel management programs to ensure equipment readiness support is maintained at an optimum readiness level for the customer to accomplish the assigned mission. Direct world-wide item redistributions to enhance Marine Corps readiness.

* Serve as the single point of contact for all logistics concerns for weapon systems/equipment.

* Provide multi-commodity maintenance services to include rebuild; repair; inspect, repair only as necessary; and paint and corrosion control for the following types of equipment: combat vehicles, automotive equipment, construction equipment, communication/electronics (radars, radios, wire, communications, and computers), ordnance/weapons, and general purpose equipment.

● Provide calibration services for electrical, electronic, mechanical, electro-mechanical, optical, electro-optical, fiber optic, Light Amplification by the Stimulation of Emitted Radiation (LASER), and Radiation Identification and Computation (RADIAC), Test, Measurement, and Diagnostic Equipment (TMDE).

* Provide maintenance support for Marine Corps-unique items not worked by other services. These unique items include: Light Armored Vehicle (LAV), Assault Amphibious Vehicle (AAV) - Marine Corps Amphibious Items; Logistics Vehicle System (LVS); AN/GRC-171A/B, AN/GRC-201, AN/MRC-110A, AN/MRC-138A/B, AN/MRC-140 Radio Sets; M249 and M240 Machine Guns; 83MM Rocket Launcher (SMAW); M252 Mortar; and North Finding Module (MX-18204).

* Provide timely (quick turn-around) maintenance support for the Maritime Prepositioning Force and the II Marine Expeditionary Forces located in the Camp Lejeune area which together make up the largest concentration of Marine forces and Marine Reserve Forces east of the Mississippi River.

- Provide ground combat and combat support equipment maintenance to other services DoD-wide through Depot Maintenance Interservice Support Agreements.

- Provide for total operation and execution of the Marine Corps Automatic Test Equipment Program.

- Provide original design, prototype, and development services and limited fabrication of new components and systems.

- Provide repair, maintenance, and calibration services for all types of surveying and meteorological equipment. (Survey Instrument Exchange Program (SIEP).)

- Provide calibration and repair services for all small caliber infantry weapons gages. (Infantry Weapons Gages Calibration Exchange Program.)

* Serve as the technical manager and provide technical support services in all Electromagnetic Environmental Effects (E^3) matters relating to Electro-Static Discharge (ESD), Electromagnetic Compatibility/Interference (EMC/EMI), Intermodulation Interference, Radio Frequency Interference, and Electromagnetic Pulse. Identify, assess, and correct E^3 problems in the Fleet Marine Forces (FMF) and assist acquisition managers in controlling E^3 in new equipment.

- Provide evaluation, analysis, and technical assistance to U.S. Air Force users of the Unit Level Circuit Switch.

- Provide Non-Destructive Inspection (NDI) and Radiography services.

- Provide demilitarization services.

- Provide customer service/satisfaction to all internal and external customers.

- Develop and provide a field deployable Electronic Repair Capability, through the Microminiature Repair Facility Project, which gives the FMF the capability to perform extensive repairs on Communications/Electronics Systems, Weapons Systems, equipments and sub-systems to include the repair of circuit card assemblies, removal and replacement of discrete components to include microcircuits.

- Provide technical assistance and support services for the Marine Corps General Purpose Electronic Test Equipment (GPETE) Modernization Program which includes: sample calibration and testing, verification of calibration procedures, identification and evaluation of support equipment requirements, development of Draft Marine Corps Stock Lists (SL)-3's, and other miscellaneous tasks for GPETE items that are entering the Marine Corps inventory.

* Serve as the focal point within the Marine Corps for the formulation of policy, guidance, and procedures for the Depot Maintenance Interservice Program.

* Serve as the Marine Corps Maintenance Interservice Support Management Office.

* Represent the Marine Corps in Joint Service Business Planning.

* Develop the Annual Corporate Business Plan for the Marine Corps; prepare the Marine Corps portion of Defense Depot Maintenance Council Corporate Business Plan.

* Recommend Marine Corps weapon systems for depot level maintenance competition and develop Statements of Work for public/private competition.

* Serve as the agent of the Marine Corps' Principal Member to the Joint Policy Coordinating Group of Depot Maintenance with the principal staff responsibilities of providing guidance to the Joint Depot Maintenance Analysis Group (JDMAG).

* Provide manpower (currently two billets) for USMC staffing requirements at JDMAG, Dayton, OH. Provide reimbursable funding support to JDMAG as required for joint service initiatives approved by the Joint Policy Coordinating Group.

* Manage the Marine Corps Posture Plan.

* Serve as the Marine Corps member on the Depot Maintenance Military Construction Review Panel.

* Manage the Marine Corps Multi-Commodity Maintenance Center Defense Business Operations Fund (DBOF).

* Manage the Supply Depot Operations Program for the Marine Corps.

* Perform duties as designated within the Marine Corps Continuity of Operations Plan (COOP-MC). The COOP-MC is a classified document that provides for the continuity of logistics operations for the Marine Corps in the event of an impending or actual national emergency affecting the continued feasibility of Washington-based operations. In the event of execution, the COOP-MC outlines specific responsibilities to be assumed by MARCORLOGBASES, Albany, GA.

* Provide oversight of all logistics functions to support Maritime Prepositioned Ships, to include planned maintenance cycles and regeneration/reconstitution of equipment used to support world-wide mobilizations and/or Major Regional Contingencies.

* Perform all facets of acquisition logistics management and program support by planning, developing, attaining, and controlling weapon systems/equipment and related components, support documentation, and test equipment required to ensure adequate, timely, and cost effective logistics support throughout the life cycle.

• Develop, coordinate, and determine requirements for the multi-commodity equipment maintenance rebuild/rotation programs to support the active and reserve FMF's to include Maritime Prepositioned Forces and Prepositioned War Reserves. Uses a unique requirements determination process for identifying rebuild requirements of the Marine Corps principal end items.

• Serve as the Primary Inventory Control Activity for items assigned by the DoD to the Marine Corps for integrated material management. Also, serve as the Secondary Inventory Control Activity for those items for which the Marine Corps has been identified as a registered user.

* Perform centralized inventory management functions for material held within the stores distribution systems for life cycle of weapon systems/ equipment to effectively and efficiently provide world-wide customers with supplies, support, and services.

* Perform Marine Corps-wide oversight of the storage and care-in-store of principal end items held within the Marine Corps wholesale supply system.

* Examine Preventive Maintenance Plans for Marine Corps Weapons Systems using Reliability Centered Maintenance concepts and the Marine Corps Integrated Maintenance Management System. Serve as focal point for maintenance data collection and analysis of principal end items, secondary reparables and repair parts. Develop Class IX repair parts support packages from maintenance history data to support the Maritime Prepositioned Ships, Foreign Military Sales and FMF units.

• Perform storage, care-in-store, inspections, and preparation for shipment action on principal end items held in the Marine Corps Stores System including all in stores Marine Corps War Reserve Assets, and Initial Issue Requirements for the Marine Corps Reserve Forces.

(Defense Management Review Decision (DMRD) 902 shifted receiving, issuing, and distribution functions as well as storage of Marine Corps-owned expendable and secondary items to the Defense Logistics Agency (DLA). We still perform storage and maintenance through care-in-store of principal end items. In keeping with total weapons system management concept, the Marine Corps believes that it can best support Marine Corps Operating Forces by retaining the storage and maintenance through care-in-store of its principal end items. This allows us to take advantage of the collocation of our maintenance and storage facilities under the purview of a single commander.)

• Provide storage and care-in-store for Marine Corps Operating Forces tactical equipment which is beyond their current maintenance capability.

* Provide special assembly projects support, on a reimbursable basis, to Marine Corps Operating Forces, the U.S. Army, the Marine Corps Maritime Prepositioning Ships Program, Saudi Arabian National Guard and Saudi Arabian Royal Naval Forces.

* Provide mobile technical assistance teams to assist Marine Corps Reserve Forces east of the Mississippi River in performing essential equipment maintenance and maintenance management guidance which exceeds their normal capacity to execute.

* Serve as the functional manager for the Marine Corps War Reserve System to include: train the FMF in the operation of the War Reserve System; guide/direct the FMF in the computation of War Reserve requirements; execute supportability processes relating to sustainability analysis; execute War Reserve withdrawal processes; and coordinate sourcing of War Reserve material and shortfalls to update the Joint Operational Planning and Execution System.

* Serve as Logistics Element Manager (LEM) for preservation, packaging and packing, maintenance planning, supply support, and that portion of technical data relating to engineering drawings. In addition, serve as the LEM for the related disciplines of logistics support analysis, post production support, configuration status accounting, and the weapon system support program. The LEM is the technical expert representing one or more major functional elements or related disciplines.

* Serve as focal point for the Marine Corps for operational analysis, evaluation, impact, and implementation of all Military Integrated Logistics Systems (MILS) programs (i.e., MILSTRIP, MILSTRAP, and MILSTEP).

* Maintain the Marine Corps DoD Activity Address Directory.

● Determine optimum maintenance management methodology involving all echelons of repair and rebuild. Determine and assign Source, Maintenance and Recoverability Codes and other applicable maintenance/management codes. Influence weapon systems/equipment design and end item configuration characteristics.

● Serve as the sole Marine Corps activity for providing logistics data support (cataloging, engineering and configuration management, standardization review, and publications maintenance) for the life cycle of assigned weapon systems/equipment.

* Serve as the Marine Corps' only cataloging activity and execute the Federal Cataloging Program. Ensure the Marine Corps is recorded as a registered user for all items of supply for which requirements have been identified and brought into the Marine Corps supply system. Perform logistics data maintenance to ensure data is current and take cataloging actions to establish interchangeability and substitutability families for Marine Corps items.

* Serve as the sole Engineering Support Activity for the Marine Corps. Provide technical support for reprocurements and responses to Request for Engineering Support and Item Reduction Studies. Authenticate engineering drawings for all weapon systems/equipment developed for the Marine Corps.

● Provide supply, technical and engineering support to Marine Corps activities world-wide, other services, Foreign Military Sales customers, and federal agencies.

* Manage the Foreign Military Sales Repair and Return Program.

* Operate and maintain the only Engineering Data Repository for the Marine Corps. This repository employs the Joint Engineering Data Management and Information Control System, a digitized data base system selected as the DoD standard repository system for storage of engineering data.

● Serve as the Marine Corps' only Configuration Status Accounting activity. Establish and maintain the current configuration baseline documentation which describes and identifies Marine Corps-managed weapon systems and equipment using the Configuration and Logistics Program Systems.

* Perform storage and distribution of publications for the entire Marine Corps. (MCLB Albany is the only publications supply base in the Marine Corps.)

* Develop, prepare, publish, and revise Marine Corps weapon systems/ equipment support publications and directives by using the only Electronic Technical Publication System in the Marine Corps. This system is the only electronic repository for all Marine Corps publications.

* Serve as the Marine Corps' only focal point responsible for the printing management of weapon system technical publications and Marine Corps specialized forms.

* Provide world-wide supply support for all heraldic items, to include flags, textiles and General Officer stationery, in support of the entire Marine Corps. Provide supply support for the USMC Band (the President's own) and the Drum and Bugle Corps.

* Serve as the Marine Corps' only clothing design activity, which designs and develops patterns for use in the manufacture of prototype, experimental, and standard samples of Marine Corps uniforms. Manufacture prototype and experimental uniforms and uniform items. Develop, prepare, and validate specifications and related technical drawings associated with Marine Corps uniforms, uniform items, headwear, footwear, heraldic, leather, and textile items.

* Develop, direct, and monitor the Marine Corps Quality Assurance Program for logistics support responsibilities and logistics data systems.

* Manage the Marine Corps Product Quality Deficiency Report Program and the Marine Corps Report of Discrepancy Program.

* Manage the Marine Corps Materiel Obligation Validation Program and the Marine Corps Materiel Release Order Follow-up Program.

* Operate the Marine Corps' only Physical Teardown and Logistics Demonstration activity to validate and verify weapon systems/equipment technical manuals, repair parts lists, rebuild standards, engineering drawings, tool requirements, and physical conformance of hardware to technical data packages.

- Serve as Marine Corps Wholesale Physical Inventory Control/ Accountability Officer.

* Provide Marine Corps-wide oversight for testing and evaluation for all Marine Corps Nuclear, Biological, and Chemical (NBC) equipment. MARCORLOGBASES has operational control over NBC Test and Evaluation Units (TEU's) located at Camp LeJeune, NC; Camp Pendleton, CA; and Camp Butler, Okinawa.

- Ensure that unserviceable weapon systems/equipment are returned to a serviceable condition and that a core industrial base is maintained for peacetime and wartime mobilization.

* Manage the Marine Corps Physical Inventory Control Program, Location Reconciliation Program and serve as the Management Control Activity for Government Furnished Equipment/Government Furnished Materiel and Loans.

- Represent the Marine Corps before administrative boards, judges, tribunals or District Courts, or provide coordination with assigned counsel.

* Serve as the single contact point for the Marine Corps Replenishment Parts Purchase or Borrow Program for Sole Source Spare Parts Procurements and Bailment Program.

* Coordinate Price and Availability/Letter of Offer and Acceptance data and equity lists for Foreign Military Sales.

* Serve as the technical focal point on weapon systems/equipment. Provide technical support for reprocurements, including the Technical Data Package, Quality Assurance data, First Article Test procedures, Warranty Programs and serve as technical representative at contract pre-award surveys. Provide responses to Requests for Engineering Support and Item Reduction Studies.

● Procure supplies and services from private and public sources through planning, execution, and administration of contractual actions. Supplies acquired range from small off-the-shelf items to major secondary reparables, simulation and training devices, information processing hardware and software requirements, and reprocurement of assigned principal end items, including assigned product improvement programs. Services procured are varied and include movement of household goods, private and public sector repair of major weapon system components and end items, information processing support projects, and shipboard plus ground-based asset maintenance.

● Provide contractual support for Marine Corps Wholesale Supply System, Marine Corps Prepositioning Program, Corporate Information Management (CIM), installation needs of MCLB Albany, and other Federal Government activities as requested.

● Perform all contract administration functions not delegated in accordance with regulations to ensure timely and adequate delivery or performance of required supplies or services.

● Maintain primary operational cognizance over wholesale and retail automated contracting systems.

* Provide procurement support to multiple geographically dispersed activities.

* Perform as "Contracting Office of Last Resort for Marine Corps Activities" unable to obtain supplies and services within their current capabilities.

* Provide contract support for the Army Afloat Prepositioning Program in the area of shipboard maintenance of equipment for the initial complement of Army vessels.

* Provide automated logistics information systems support for the initial loading of the Army's interim Afloat Prepostioning Program.

* Serve as the DoD Initial Operating Site for the new Procurement Automated Information Systems and for Material Management Standard System (MMSS).

* Serve as a DoD prototype site for development and test of future DoD Standards Based Architecture workstation configurations.

* Serve as one of five DoD and the only Marine Corps prototype site for the Joint Continuous Acquisition and Life-Cycle Support (JCALS) Automated Information Systems. The goal of JCALS is to integrate DoD information system architectures, integrate and streamline business processes, and employ dual-use technologies. These efforts will accelerate the rate of electronic commerce as a way to control weapon system life cycle costs, increase combat readiness, and foster efficiency with industry.

• Provide a single focal point for all business and process improvements affected by DoD Standard Logistics Information Systems initiatives and other DoD business areas such as Financial, Procurement, Environmental, etc.

• Analyze joint business practices. Facilitate the integration and improvement of operating business procedures with the other components, Joint Logistics Systems Center (JLSC), and other CIM advocates (e.g., DLA for distribution). Directly support the JLSC on site at Wright-Patterson AFB with five military and six civilian billets.

• Provide system sponsor support for HQMC Functional Managers policy to be interpreted into procedural requirements both in an automated system and manual implementation for all Marine Corps users at the wholesale/retail level for logistics and financial inventory accounting. This includes analysis, design, programming, testing, implementing, and maintenance of Automated Information Systems for the Marine Corps world-wide.

* Maintain Marine Air Ground Task Force (MAGTF) II/Logistics Automated Information Systems family of systems to accommodate Joint and Marine Corps requirements. Enforce version control for all logistics retail and Logistics Automated Information Systems Marine Corps Warfighting Systems; provide single point worldwide distribution of all releases, a central repository for all mainframe and personal computer-based source, object, and users manuals, supervise acceptance by end user, and ensure Marine Corps standards are followed.

* Perform users manual preparation (write, modify, and publish) in support of logistics related systems. (MCLB Albany is the only location within the Marine Corps that prepares logistics-related users manuals required by retail and Marine units to perform all wholesale, retail, and deployed systems daily tasks.)

• Provide comprehensive large scale mainframe data processing and telecommunications networking support for MCLB's Albany and Barstow; Blount Island Command, Jacksonville, FL; and the Fourth Marine Division, Fourth Marine Air Wing, Eighth Marine Corps District, New Orleans, LA.

• Provide interlink to logistics information by providing electronic mail, electronic mail directory services, file-transfer, file-sharing, mainframe access, and interface to the Marine Corps Data Network and the Defense Data Network via a standard connectivity platform.

* Maintain and integrate those Logistics Automated Information Systems that deploy with Marine units and require joint interoperability.

• Provide maintenance support for current Marine Corps logistics systems, to include: re-engineer systems to ADA, produce applicable Life Cycle Management documentation, assist customers with system problems, and perform unit, system, and integration testing.

• Provide all Class I/IA Legacy logistics automated information support for the Marine Corps. Provide the development and maintenance of a series of systems that aid in the movement of a MAGTF from the point of origin to the point of embarkation and from the point of debarkation to final destination.

* Provide complete support for Maritime Prepositioned Ships Automated Information Systems.

• Provide an automated inventory process which tracks assets during the maintenance cycle and ensures asset visibility aboard the ships. This process provides necessary information to comply with Coast Guard and Maritime regulations and provides Force Commanders with asset pre-assignment capability to assist in rapid deployment.

• Manage, coordinate, and expedite the conversion/implementation of existing component's systems to migrating Automated Information Systems.

• Provide automated garrison support for Blount Island Command for Maintenance Management, Supply Management, Ammunition Inventory Management, and Medical Supply Inventory Management.

* Publish the Marine Corps Logistics Bulletin, a DoD-wide publication designed to provide information on Marine Corps logistics matters.

* Serve as the Marine Corps single contact point for the Spares Acquisition Value Enhancement (SAVE) Program by performing in-depth research on suspected overpriced/price verifications for national stock numbers. Also includes: Spare Parts Breakout Program, reverse engineering/ bailment, rapid acquisition of manufactured parts, elimination of product substitution fraud, spare parts management improvement, competitive acquisition of spare parts, refunds for overpriced spares, development of additional sources for spares, elimination or reduction of rare and propriety hardware items/parts used where common hardware items are available, and reprocurement data/proprietary data claims and awards for SAVE actions.

* Provide the only Marine Corps telephone hotline so price challenges of spare parts can be received 24 hours a day.

* Manage Marine Corps-wide logistics inquiries through the Command's Logistics Inquiry Network (Logistics Hotline).

* Serve as legal counsel regarding Norway Prepositioning Program and the Joint Depot Environmental Panel.

* Serve as the technical focal point for Ozone Depleting Substances for the MCLB's Albany and Barstow and Blount Island Command. This includes developing alternatives, identifying substitutions and replacements for Base-owned equipment.

* Serve as Container Control Office for the Marine Corps. Maintain data base for tracking of all Marine Corps owned containers. Draft policy for the management of Marine Corps-owned containers.

MCLB ALBANY PERFORMS THE FOLLOWING FUNCTIONS IN ADDITION TO THE LOGISTICS MISSIONS:

* Serve as a Reinvention Laboratory to promote the National Performance Review principles of: (1) cutting red tape, (2) putting customers first, (3) empowering employees to get results, and (4) getting back to basics.

● Develop and coordinate the integration of Total Quality Leadership principles and applications for the Command.

* Conduct formal schools training for selected Marines and other personnel as directed by the CMC for the Warehouse Clerk Course; Basic Preservation and Packaging Course; Phase 1 and 2 Electro-Optics Ordnance Maintenance Course; Test, Measurement and Diagnostic Equipment Course, and Aviation Calibration Course.

● Provide shipment, storage and personal property services within an 18-county area and passenger transportation for personnel from MCLB Albany, Blount Island Command, and surrounding areas.

* Receive/perform final audit and examination of all transportation vouchers for the Marine Corps. Effect payment on all Marine Corps transportation vouchers.

* Provide Worldwide Military Command and Control Systems Support to the following: National Command Authority; Joint Chiefs of Staff; Unified and Specified Commands for command and control, war planning, logistical support for joint service and Marine Corps contingency and mobilization. Provide interface with Federal Emergency Management Agency during disaster recovery operations.

* Serve as the home base for a Marine Corps Band that provides CONUS-wide musical support for military ceremonies, official activities, community relations, and personnel procurement programs.

* Serve as the Chairman and Program Manager of the Southern Region-15 Joint Interservice Regional Support Group (JIRSG) providing liaison and networking with other JIRSG regions world-wide.

● Provide common and interservice support to other military and government organizational entities.

* Provide general administration, personnel management, processing of permanent change of station and temporary additional duty orders, maintenance of personnel records, legal administrative support and non-MOS sustainment training to military personnel assigned to MCLB Albany as well as: DLA personnel, Schools Company permanent personnel, Schools Company students, Ft. Benning permanent personnel, Ft. Benning students, and permanent personnel assigned to Headquarters located at MacDill AFB.

● Maintain a state of readiness to support contingency operations in accordance with established defense condition requirements.

● Conduct emergency response drills and implement emergency response measures.

● Direct, coordinate, and perform financial management responsibilities for MCLB Albany, MCLB Barstow, and Blount Island Command.

- Prepare/justify MCLB Albany program objective memorandum/budget submissions to support approved programs, plans and schedules.

- Maintain the letter of allowance and administer the allocation of personnel ceilings and funds. Maintain the Command integrated peacetime and wartime tables of organization.

- Maintain all applicable financial records for active and reserve duty personnel, military pay, civilian and military travel, and tenant activity personnel to include special and travel pay requests for transient members of other DoD organizations.

- Prepare and process civilian payrolls, related financial records, and timekeeping requirements for civilian personnel.

- Provide full human resources management services to the Base, Blount Island Command, Naval Computer and Telecommunications Station Detachment Albany, and Headquarters Sixth Marine Corps District.

- Administer military discipline for assigned personnel.

- Collect and process absentees from the Marine Corps and other services within the designated geographical area.

- Provide law enforcement, internal security, and police services for the Command and tenant activities.

- Provide comprehensive family services to include operation of a Child Development Center, Family Day Care Homes Program, Family Advocacy Program, Relocation Assistance Program, Transition Assistance Program, Civilian Employee Assistance Program, Military Drug and Alcohol Program, Exceptional Family Member Program, Family Services Counseling and Education Program, Key Volunteers Program, and Family Readiness Support Program.

- Administer the Morale, Welfare, and Recreation Program; Command Club Systems; and Athletic Programs.

- Provide all active duty, reservists, retirees, and their dependents with a wide variety of retail goods and services necessary for their health, comfort, and convenience at the best possible price.

- Provide chaplain services by conducting religious programs and advice to the Command on the spiritual welfare and morale of military personnel, their dependents, civilian employees, and retired military personnel.

- Provide information services to the Base and general public. Provide community relations liaison on Marine Corps matters through news releases to television, radio, and newspaper media.

- Provide Environmental and Natural Resources Programs to conform and comply with federal, state and local regulatory codes and agencies.

* Monitor the Comprehensive Environmental Resource Compensation Act and the Installation Restoration Program.

- Provide legal, safety, billeting, and food services for military personnel.

- Prosecute civilian criminals in U.S. District Court.

* Review federal tort claims to ensure the safety of this Base.

* Provide military justice service for Marine Corps Detachments Ft. Benning, Ft. McClellan, MacDill AFB and Redstone Arsenal.

- Provide Base Fire Protection, emergency medical, and hazardous material accident response services.

- Provide workplace safety inspections of all buildings, grounds, facilities, materials, equipment, operations, and conditions. Provide occupational safety and health consultative services to all organizational elements.

- Provide general maintenance and management of all MCLB Albany buildings, structures, roads, grounds, utilities, and security fences.

- Provide maintenance, repair, and operation of motor vehicles and materials handling equipment.

- Conduct Base inspections and investigations as part of the Commander's Inspection Program as well as process congressional and special interest inquiries concerning military and civilian personnel.

- Manage a Base-wide Information and Personnel Security Program.

- Assist in the prevention and detection of fraud, waste, and abuse of Government resources.

- Account for organic plant and minor property aboard MCLB Albany, provide Class V (AMMO) support for MCLB Albany, provide maintenance for organic office machines, and receipt for minor property and automatic data processing equipment.

- Designate maintenance and design of construction of new facilities, major repair projects, and facilities projects.

- Provide switching services for railroad cars and equipment.

- Accomplish the requisitioning, receipt, storage, inventory, and issue of supplies, consumables, bulkfuel, subsistence items, clothing, and materials required to support Base Operations and tenant activities. This mission is expanded to provide spare parts and long lead time items to support Marine Corps Multi-Commodity Maintenance Center.

- Effect acquisition of equipment, supplies, and services from commercial concerns. Administer the Imprest Fund. Prepare and make awards, terminate contracts and orders for: industrial machinery, equipment and accessories; petroleum, oil, and lubricant products; environmental clean-up equipment, test and educational aids; safety-related equipment, supplies and services; medical and dental supplies and equipment; automated data processing equipment, services and accessories; and administrative and office supplies and services.

- Manage and control the use of pagers, beepers, cellular telephones, and radio communications aboard the Base and for all tenant activities. Maintain and manage the telephone exchange network and communications center aboard the Base and for all tenant activities. Maintain and run the Military Affiliated Radio System (MARS) station and maintain an integral link in the Marine Corps Emergency Radio Network.

- Provide support to the Navy-Marine Corps Relief Society, a non-profit, charitable organization whose purpose is to assist active duty and retired Navy and Marine Corps personnel and their dependents in times of need. The Society's principle activity is the disbursement of interest-free loans and grants to military families to meet those immediate needs.

Projected Missions for FY 2001

IN ADDITION TO THE CURRENT MISSIONS, THE FOLLOWING MISSIONS ARE PROJECTED:

*** Projected Missions identified by an asterisk (*) are repeated in the Projected Unique Missions for FY 2001.**

* Provide flexible and powerful multi-commodity maintenance capability to Marine Forces participating as a member of the "Sea-Air-Land" Team supporting the Unified Commanders as they prosecute two major regional contingencies. Subsequently, provide the multi-commodity maintenance required to regenerate the Marine Forces' equipment within two years after winning the second major regional conflict.

* Provide Flexible Computer Integrated Manufacturing (FCIM). Develop and manage technical data applicable to Marine Corps-unique equipment. Develop and use to best advantage the capabilities of other organic installations in support of the Marine Corps mission. Provide replacement parts on demand while continuously improving our business practices.

* Perform life cycle logistics management functions for an increased number of weapons systems.

* Manage and direct world-wide logistics functions in support of the Marine Corps' two prepositioning programs -- Maritime Prepositioned Ships and Norway Air-Landed Marine Expeditionary Brigade.

- Provide additional support to Defense Depot Albany due to expanded workload.

- Manage an expected increased workload in the area of environmental protection and pollution prevention due to the enactment of the Federal Facilities Compliance Act and the possibility of criminal prosecutions and civil penalties for environmental infractions.

* Provide additional reimbursable procurement support as Defense Business Operations Fund (DBOF) driven "fee for service" concept expands.

* Provide contracting support for shipboard maintenance for the Army Afloat Prepositioning Program.

* Provide increased procurement support as initiatives are approved under the Reinventing Government Program which give managers greater flexibility to procure supplies needed to accomplish their missions.

- Act as task agent of the JLSC in support of DoD Supply and Technical Data Support (S&TDS) System of Material Management Standard System.

- Support the cataloging functionality required in support of DoD S&TDS System of the Material Management Standard System.

* Design and maintain new personal computer systems that will support the operating forces. Future logistics systems will be highly versatile with the capability via Local Area Network-based software to use any strategic or tactical system.

* Maintain version control for Logistics Automated Information Systems Class I Retail and Marine Corps Warfighting Systems. Provide single point worldwide distribution of all releases and a central repository for all mainframe and personal computer-based source, object, and users manuals.

* Serve as System Administrator for the Marine Corps for all logistics CIM-selected systems. Interpret policy into procedures for Marine Corps-unique requirements. Participate at CIM Configuration Management/ Configuration Control Boards for changes for the DoD Standard Systems baseline.

* Provide facilities, equipment, personnel, and act as host to the Georgia Public Service Training Center at Forsyth, GA, (also known as the Georgia Fire Academy) during the conduct of training classes in this area.

- Provide recurring demand based consumable items support for the Marine Corps Multi-Commodity Maintenance Center.

- Provide expanded design and engineering support for the Blount Island Command.

- Provide support for local distribution television information channel aboard MCLB Albany to all cable television subscribers. To include overall responsibility for a secure video teleconferencing facility.

- Provide the City of Albany and Dougherty County Fire Department with first response to areas adjacent to MCLB Albany in which we can provide a substantially quicker response time than Albany Fire Department.

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

* Serve as the Headquarters for Marine Corps Logistics Bases that exercises administrative and operational control over MCLB Albany and Blount Island Command and exercises operational control over MCLB Barstow.

* Provide maintenance and maintenance-related products and services which meet our customers needs in cost, quality, and schedule.

* Manage and direct world-wide Integrated Logistics Support of weapon systems throughout the Marine Corps.

* Manage and direct world-wide logistics functions in support of the Marine Corps' two prepositioning programs -- Maritime Prepositioned Ships and Norway Air-Landed Marine Expeditionary Brigade.

* Serve as focal point for Weapon Systems/Equipment Management, encompassing all facets of materiel and maintenance management and acquisition/provisioning program support for Marine Corps ground combat equipment world-wide. Direct the maintenance and materiel management programs to ensure equipment readiness support is maintained at an optimum readiness level for the customer to accomplish the assigned mission. Direct world-wide item redistributions to enhance Marine Corps readiness.

* Serve as the single point of contact for all logistics concerns for weapon systems/equipment.

* Provide multi-commodity maintenance services to include rebuild; repair; inspect, repair only as necessary; and paint and corrosion control for the following types of equipment: combat vehicles, automotive equipment, construction equipment, communication/electronics (radars, radios, wire, communications, and computers), ordnance/weapons, and general purpose equipment.

* Provide maintenance support for Marine Corps-unique items not worked by other services. These unique items include: Light Armored Vehicle (LAV), Assault Amphibious Vehicle (AAV) - Marine Corps Amphibious Items; Logistics Vehicle System (LVS); AN/GRC-171A/B, AN/GRC-201, AN/MRC-110A, AN/MRC-138A/B, AN/MRC-140 Radio Sets; M249 and M240 Machine Guns; 83MM Rocket Launcher (SMAW); M252 Mortar; and North Finding Module (MX-18204).

* Provide timely (quick turn-around) maintenance support for the Maritime Prepositioning Force and the II Marine Expeditionary Forces located in the Camp Lejeune area which together make up the largest concentration of Marine forces and Marine Reserve Forces east of the Mississippi River.

* Serve as the technical manager and provide technical support services in all Electromagnetic Environmental Effects (E^3) matters relating to Electro-Static Discharge (ESD), Electromagnetic Compatibility/Interference (EMC/EMI), Intermodulation Interference, Radio Frequency Interference, and Electromagnetic Pulse. Identify, assess, and correct E^3 problems in the Fleet Marine Forces (FMF) and assist acquisition managers in controlling E^3 in new equipment.

* Serve as the focal point within the Marine Corps for the formulation of policy, guidance, and procedures for the Depot Maintenance Interservice Program.

* Serve as the Marine Corps Maintenance Interservice Support Management Office.

* Represent the Marine Corps in Joint Service Business Planning.

* Develop the Annual Corporate Business Plan for the Marine Corps; prepare the Marine Corps portion of Defense Depot Maintenance Council Corporate Business Plan.

* Recommend Marine Corps weapon systems for depot level maintenance competition and develop Statements of Work for public/private competition.

* Serve as the agent of the Marine Corps' Principal Member to the Joint Policy Coordinating Group of Depot Maintenance with the principal staff responsibilities of providing guidance to the Joint Depot Maintenance Analysis Group (JDMAG).

* Provide manpower (currently two billets) for USMC staffing requirements at JDMAG, Dayton, OH. Provide reimbursable funding support to JDMAG as required for joint service initiatives approved by the Joint Policy Coordinating Group.

* Manage the Marine Corps Posture Plan.

* Serve as the Marine Corps member on the Depot Maintenance Military Construction Review Panel.

* Manage the Marine Corps Multi-Commodity Maintenance Center Defense Business Operations Fund (DBOF).

* Manage the Supply Depot Operations Program for the Marine Corps.

* Perform duties as designated within the Marine Corps Continuity of Operations Plan (COOP-MC). The COOP-MC is a classified document that provides for the continuity of logistics operations for the Marine Corps in the event of an impending or actual national emergency affecting the continued feasibility of Washington-based operations. In the event of execution, the COOP-MC outlines specific responsibilities to be assumed by MARCORLOGBASES, Albany, GA.

* Provide oversight of all logistics functions to support Maritime Prepositioned Ships, to include planned maintenance cycles and regeneration/reconstitution of equipment used to support world-wide mobilizations and/or Major Regional Contingencies.

* Perform all facets of acquisition logistics management and program support by planning, developing, attaining, and controlling weapon systems/equipment and related components, support documentation, and test equipment required to ensure adequate, timely, and cost effective logistics support throughout the life cycle.

* Perform centralized inventory management functions for material held within the stores distribution systems for life cycle of weapon systems/ equipment to effectively and efficiently provide world-wide customers with supplies, support, and services.

* Perform Marine Corps-wide oversight of the storage and care-in-store of principal end items held within the Marine Corps wholesale supply system.

* Examine Preventive Maintenance Plans for Marine Corps Weapons Systems using Reliability Centered Maintenance concepts and the Marine Corps Integrated Maintenance Management System. Serve as focal point for maintenance data collection and analysis of principal end items, secondary reparables and repair parts. Develop Class IX repair parts support packages from maintenance history data to support the Maritime Prepositioned Ships, Foreign Military Sales and FMF units.

* Provide special assembly projects support, on a reimbursable basis, to Marine Corps Operating Forces, the U.S. Army, the Marine Corps Maritime Prepositioning Ships Program, Saudi Arabian National Guard and Saudi Arabian Royal Naval Forces.

* Provide mobile technical assistance teams to assist Marine Corps Reserve Forces east of the Mississippi River in performing essential equipment maintenance and maintenance management guidance which exceeds their normal capacity to execute.

* Serve as the functional manager for the Marine Corps War Reserve System to include: train the FMF in the operation of the War Reserve System; guide/direct the FMF in the computation of War Reserve requirements; execute supportability processes relating to sustainability analysis; execute War Reserve withdrawal processes; and coordinate sourcing of War Reserve material and shortfalls to update the Joint Operational Planning and Execution System.

* Serve as Logistics Element Manager (LEM) for preservation, packaging and packing, maintenance planning, supply support, and that portion of technical data relating to engineering drawings. In addition, serve as the LEM for the related disciplines of logistics support analysis, post production support, configuration status accounting, and the weapon system support program. The LEM is the technical expert representing one or more major functional elements or related disciplines.

* Serve as focal point for the Marine Corps for operational analysis, evaluation, impact, and implementation of all Military Integrated Logistics Systems (MILS) programs (i.e., MILSTRIP, MILSTRAP, and MILSTEP).

* Maintain the Marine Corps DoD Activity Address Directory.

* Serve as the Marine Corps' only cataloging activity and execute the Federal Cataloging Program. Ensure the Marine Corps is recorded as a registered user for all items of supply for which requirements have been identified and brought into the Marine Corps supply system. Perform logistics data maintenance to ensure data is current and take cataloging actions to establish interchangeability and substitutability families for Marine Corps items.

* Serve as the sole Engineering Support Activity for the Marine Corps. Provide technical support for reprocurements and responses to Request for Engineering Support and Item Reduction Studies. Authenticate engineering drawings for all weapon systems/equipment developed for the Marine Corps.

* Manage the Foreign Military Sales Repair and Return Program.

* Operate and maintain the only Engineering Data Repository for the Marine Corps. This repository employs the Joint Engineering Data Management and Information Control System, a digitized data base system selected as the DoD standard repository system for storage of engineering data.

* Perform storage and distribution of publications for the entire Marine Corps. (MCLB Albany is the only publications supply base in the Marine Corps.)

* Develop, prepare, publish, and revise Marine Corps weapon systems/ equipment support publications and directives by using the only Electronic Technical Publication System in the Marine Corps. This system is the only electronic repository for all Marine Corps publications.

* Serve as the Marine Corps' only focal point responsible for the printing management of weapon system technical publications and Marine Corps specialized forms.

* Provide world-wide supply support for all heraldic items, to include flags, textiles and General Officer stationery, in support of the entire Marine Corps. Provide supply support for the USMC Band (the President's own) and the Drum and Bugle Corps.

* Serve as the Marine Corps' only clothing design activity, which designs and develops patterns for use in the manufacture of prototype, experimental, and standard samples of Marine Corps uniforms. Manufacture prototype and experimental uniforms and uniform items. Develop, prepare, and validate specifications and related technical drawings associated with Marine Corps uniforms, uniform items, headwear, footwear, heraldic, leather, and textile items.

* Develop, direct, and monitor the Marine Corps Quality Assurance Program for logistics support responsibilities and logistics data systems.

* Manage the Marine Corps Product Quality Deficiency Report Program and the Marine Corps Report of Discrepancy Program.

* Manage the Marine Corps Materiel Obligation Validation Program and the Marine Corps Materiel Release Order Follow-up Program.

* Operate the Marine Corps' only Physical Teardown and Logistics Demonstration activity to validate and verify weapon systems/equipment technical manuals, repair parts lists, rebuild standards, engineering drawings, tool requirements, and physical conformance of hardware to technical data packages.

* Provide Marine Corps-wide oversight for testing and evaluation for all Marine Corps Nuclear, Biological, and Chemical (NBC) equipment. MARCORLOGBASES has operational control over NBC Test and Evaluation Units (TEU's) located at Camp LeJeune, NC; Camp Pendleton, CA; and Camp Butler, Okinawa.

* Manage the Marine Corps Physical Inventory Control Program, Location Reconciliation Program and serve as the Management Control Activity for Government Furnished Equipment/Government Furnished Materiel and Loans.

* Serve as the single contact point for the Marine Corps Replenishment Parts Purchase or Borrow Program for Sole Source Spare Parts Procurements and Bailment Program.

* Coordinate Price and Availability/Letter of Offer and Acceptance data and equity lists for Foreign Military Sales.

* Serve as the technical focal point on weapon systems/equipment. Provide technical support for reprocurements, including the Technical Data Package, Quality Assurance data, First Article Test procedures, Warranty Programs and serve as technical representative at contract pre-award surveys. Provide responses to Requests for Engineering Support and Item Reduction Studies.

* Provide procurement support to multiple geographically dispersed activities.

* Perform as "Contracting Office of Last Resort for Marine Corps Activities" unable to obtain supplies and services within their current capabilities.

* Provide contract support for the Army Afloat Prepositioning Program in the area of shipboard maintenance of equipment for the initial complement of Army vessels.

* Provide automated logistics information systems support for the initial loading of the Army's interim Afloat Prepostioning Program.

* Serve as the DoD Initial Operating Site for the new Procurement Automated Information Systems and for Material Management Standard System (MMSS).

* Serve as a DoD prototype site for development and test of future DoD Standards Based Architecture workstation configurations.

* Serve as one of five DoD and the only Marine Corps prototype site for the Joint Continuous Acquisition and Life-Cycle Support (JCALS) Automated Information Systems. The goal of JCALS is to integrate DoD information system architectures, integrate and streamline business processes, and employ dual-use technologies. These efforts will accelerate the rate of electronic commerce as a way to control weapon system life cycle costs, increase combat readiness, and foster efficiency with industry.

* Maintain Marine Air Ground Task Force (MAGTF) II/Logistics Automated Information Systems family of systems to accommodate Joint and Marine Corps requirements. Enforce version control for all logistics retail and Logistics Automated Information Systems Marine Corps Warfighting Systems; provide single point worldwide distribution of all releases, a central repository for all mainframe and personal computer-based source, object, and users manuals, supervise acceptance by end user, and ensure Marine Corps standards are followed.

* Perform users manual preparation (write, modify, and publish) in support of logistics related systems. (MCLB Albany is the only location within the Marine Corps that prepares logistics-related users manuals required by retail and Marine units to perform all wholesale, retail, and deployed systems daily tasks.)

* Maintain and integrate those Logistics Automated Information Systems that deploy with Marine units and require joint interoperability.

* Provide complete support for Maritime Prepositioned Ships Automated Information Systems.

* Publish the Marine Corps Logistics Bulletin, a DoD-wide publication designed to provide information on Marine Corps logistics matters.

* Serve as the Marine Corps single contact point for the Spares Acquisition Value Enhancement (SAVE) Program by performing in-depth research on suspected overpriced/price verifications for national stock numbers. Also includes: Spare Parts Breakout Program, reverse engineering/ bailment, rapid acquisition of manufactured parts, elimination of product substitution fraud, spare parts management improvement, competitive acquisition of spare parts, refunds for overpriced spares, development of additional sources for spares, elimination or reduction of rare and propriety hardware items/parts used where common hardware items are available, and reprocurement data/proprietary data claims and awards for SAVE actions.

* Provide the only Marine Corps telephone hotline so price challenges of spare parts can be received 24 hours a day.
* Manage Marine Corps-wide logistics inquiries through the Command's Logistics Inquiry Network (Logistics Hotline).

* Serve as legal counsel regarding Norway Prepositioning Program and the Joint Depot Environmental Panel.

* Serve as the technical focal point for Ozone Depleting Substances for the MCLB's Albany and Barstow and Blount Island Command. This includes developing alternatives, identifying substitutions and replacements for Base-owned equipment.

* Serve as Container Control Office for the Marine Corps. Maintain data base for tracking of all Marine Corps owned containers. Draft policy for the management of Marine Corps-owned containers.

* Serve as a Reinvention Laboratory to promote the National Performance Review principles of: (1) cutting red tape, (2) putting customers first, (3) empowering employees to get results, and (4) getting back to basics.

* Conduct formal schools training for selected Marines and other personnel as directed by the CMC for the Warehouse Clerk Course; Basic Preservation and Packaging Course; Phase 1 and 2 Electro-Optics Ordnance Maintenance Course; Test, Measurement and Diagnostic Equipment Course, and Aviation Calibration Course.

* Receive/perform final audit and examination of all transportation vouchers for the Marine Corps. Effect payment on all Marine Corps transportation vouchers.

* Provide Worldwide Military Command and Control Systems Support to the following: National Command Authority; Joint Chiefs of Staff; Unified and Specified Commands for command and control, war planning, logistical support for joint service and Marine Corps contingency and mobilization. Provide interface with Federal Emergency Management Agency during disaster recovery operations.

* Serve as the home base for a Marine Corps Band that provides CONUS-wide musical support for military ceremonies, official activities, community relations, and personnel procurement programs.

* Serve as the Chairman and Program Manager of the Southern Region-15 Joint Interservice Regional Support Group (JIRSG) providing liaison and networking with other JIRSG regions world-wide.

* Provide general administration, personnel management, processing of permanent change of station and temporary additional duty orders, maintenance of personnel records, legal administrative support and non-MOS sustainment training to military personnel assigned to MCLB Albany as well as: DLA personnel, Schools Company permanent personnel, Schools Company students, Ft. Benning permanent personnel, Ft. Benning students, and permanent personnel assigned to Headquarters located at MacDill AFB.

* Monitor the Comprehensive Environmental Resource Compensation Act and the Installation Restoration Program.

* Review federal tort claims to ensure the safety of this Base.

* Provide military justice service for Marine Corps Detachments Ft. Benning, Ft. McClellan, MacDill AFB and Redstone Arsenal.

Projected Unique Missions for FY 2001

IN ADDITION TO THE CURRENT UNIQUE MISSION, THE FOLLOWING UNIQUE MISSIONS ARE PROJECTED:

* Provide flexible and powerful multi-commodity maintenance capability to Marine Forces participating as a member of the "Sea-Air-Land" Team supporting the Unified Commanders as they prosecute two major regional contingencies. Subsequently, provide the multi-commodity maintenance required to regenerate the Marine Forces' equipment within two years after winning the second major regional conflict.

* Provide Flexible Computer Integrated Manufacturing (FCIM). Develop and manage technical data applicable to Marine Corps-unique equipment. Develop and use to best advantage the capabilities of other organic installations in support of the Marine Corps mission. Provide replacement parts on demand while continuously improving our business practices.

* Perform life cycle logistics management functions for an increased number of weapons systems.

* Manage and direct world-wide logistics functions in support of the Marine Corps' two prepositioning programs -- Maritime Prepositioned Ships and Norway Air-Landed Marine Expeditionary Brigade.

* Provide additional reimbursable procurement support as Defense Business Operations Fund (DBOF) driven "fee for service" concept expands.

* Provide contracting support for shipboard maintenance for the Army Afloat Prepositioning Program.

* Provide increased procurement support as initiatives are approved under the Reinventing Government Program which give managers greater flexibility to procure supplies needed to accomplish their missions.

* Design and maintain new personal computer systems that will support the operating forces. Future logistics systems will be highly versatile with the capability via Local Area Network-based software to use any strategic or tactical system.

* Maintain version control for Logistics Automated Information Systems Class I Retail and Marine Corps Warfighting Systems. Provide single point worldwide distribution of all releases and a central repository for all mainframe and personal computer-based source, object, and users manuals.

* Serve as System Administrator for the Marine Corps for all logistics CIM-selected systems. Interpret policy into procedures for Marine Corps-unique requirements. Participate at CIM Configuration Management/ Configuration Control Boards for changes for the DoD Standard Systems baseline.

* Provide facilities, equipment, personnel, and act as host to the Georgia Public Service Training Center at Forsyth, GA, (also known as the Georgia Fire Academy) during the conduct of training classes in this area.

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
Commandant of the Marine Corps Headquarters United States Marine Corps	000027

• Funding Source	UIC

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	108*	710**	2624

Direct Civilians (Operation & Maintenance)	1140 (P) + 38 (T) = 1178
Reimbursable Civilians	
Defense Business Operations Fund	
Marine Corps Multi-Commodity Maintenance Center	759 (P) + 324 (T) = 1083
Defense Business Operations Fund	
Supply Business Management	110 (P) + 0 = 110
Operation & Maintenance	243 (P) + 10 (T) = 253
TOTAL REIMBURSABLE	1112 (P) + 334 (T) = 1446

NOTE: *Total includes 5 Navy Officers.
**Total includes 2 Navy Enlisted.
Under civilian count, (P) = permanent employees; (T) = temporary employees

• Tenants (total)	16	94	468

Authorized Positions as of 30 September 1994

	Officers	Enlisted	Civilian (Appropriated)
• Reporting Command	129*	708**	2499

Direct Civilians (Operation & Maintenance)	1164
Reimbursable Civilians	
Defense Business Operations Fund	
Marine Corps Multi-Commodity Maintenance Center	1134
Defense Business Operations Fund	
Supply Business Management	110
Operation & Maintenance	91
TOTAL REIMBURSABLE	1335

NOTE: *Total includes 5 Navy Officers.
**Total includes 12 Navy enlisted.

• Tenants (total)	20	340	502
• Students (total)	12	339	

11. **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.

	Title/Name	Office	Fax	Home
• CO/OIC:	MajGen J.D. Stewart Commanding General	Commanding General DSN 567-5201 (912) 439-5201	DSN 567-5290 (912) 439-5290	(912) 438-5455
• Duty Officer		Officer of Day	DSN 567-5666 (912) 439-5666	[N/A]
• POC:	Mrs. Glenda Hill Supv Mgmt Analyst	Mgmt Asst. Office DSN 567-5697 (912) 439-5697	DSN 567-5711 (912) 439-5711	(912) 432-1572
•	Dwight Fulton Executive Director	Office of Fin. Mgmt DSN 567-5701 (912) 439-5701	DSN 567-5711 (912) 439-5711	(912) 776-5343

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 residing on main complex (shore commands)

Tenant Command Name	UIC	Officer	Enlisted	Civilian
BRANCH DENTAL CLINIC	41782	1	2	2
BRANCH MEDICAL CLINIC	35298	2	12	3
DECA/COMMISSARY	HQCSJU	0	0	38
DEFENSE ACCOUNTING OFFICE (DAO)	HQ0143	1	5	66
DEFENSE DEPOT ALBANY, GA (DDAG)	SB3550	3	13	207
DEFENSE INVESTIGATIVE SERVICE (DIS)	N/A	0	0	1
DEFENSE PRINTING SERVICE (DPS)	N48933	0	0	5
DRMO	ECCF	0	0	14
DLA WSSO	SL4703	0	0	1
I&I STAFF, DET1 SUPCO 4THSUPBN I&I STAFF, DET1 SUPCO 4THSUPBN (RESERVE UNITS)	83190 77004	1 3	6 103	0 0
NAVCOMTELSTA DET ALBANY	65201	0	0	82
NAVFAC SOUTHERN DIVISION (ROICC)	N62467	2	0	6
NAVY AUDIT OFFICE	N62761	0	0	5
STAP	M96221	1	152 *	0
USAF MEDLOG	FM4859	1	21	0
USCENTAF	4448MSF/OLAA	0	2	0
U.S. NAVAL CRIMINAL INVESTIGATIVE SERVICE	39276	0	0	2
U.S. SMALL BUSINESS ADMINISTRATION	73000	0	0	1
TOTAL		15	316	433

* Includes 40 enlisted personnel for annual active duty special works; and 100 enlisted personnel for reserve annual training.

Data Call 1: General Installation Information (Cont.) Activity: M67004

- Tenants residing on main complex (homeported units.)

Tenant Command Name	UIC	Officer	Enlisted	Civilian

- 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
BRANCH MEDICAL CLINIC	35298	BLD 9700 NAVY CLINIC	5	24	5 *
TURNER JOB CORPS CENTER	M94999	BLD 9700 NAVY CLINIC	0	0	4 Staff 60 Students
TOTAL			5	24	69

* Includes one pharmacist under contract.

- Tenants (Other than those identified previously)

Tenant Command Name	UIC	Location	Officer	Enlisted	Civilian

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.)
Marine Corps Systems Command	Quantico, VA	Provide for total operation and execution of the Marine Corps Automatic Test Equipment Program - Work Request (WR) and Project Order (PO)
Marine Corps Systems Command	Quantico, VA	Provide original design, prototype, and development services and limited fabrication of new components and systems - WR
Marine Corps Systems Command	Quantico, VA	Provide technical support services in all Electromagnetic Environmental Effects matters relating to Electro-Static Discharge (ESD), Electromagnetic Compatibility/Interference Intermodulation Interference, Radio Frequency Interference, and Electromagnetic Pulse - WR
Marine Corps Systems Command	Quantico, VA	Provide evaluation, analysis, and technical assistance to users of the Unit Level Circuit Switch (ULCS) - WR
Marine Corps Systems Command	Quantico, VA	Provide for total operation and execution of the Marine Corps Automatic Test Equipment Program - WR/PO
Marine Corps Systems Command	Quantico, VA	Provide original design, prototype, and development services and limited fabrication of new components and systems - WR
Marine Corps Systems Command	Quantico, VA	Provide evaluation, analysis, and technical assistance to users of the ULCS - WR
Contractor/Private Citizens	CONUS	Provide Tech Data Pkgs., Engineering Drawings under the Freedom of Information Act.

Data Call 1: General Installation Information (Cont.) Activity: M67004

Activity name	Location	Support function (include mechanism such as ISSA, MOU, etc.)
Marine Corps Systems Command	Quantico, VA	Develop and provide a field deployable Electronic Repair Capability, through the Microminiature Repair Facility (MRF) Project, which gives the FMF the capability to perform extensive repairs on Communications/Electronics Systems, Weapons Systems, equipments and sub-systems to include the repair of circuit card assemblies, removal and replacement of discrete components to include microcircuits - PO
Marine Corps Systems Command	Quantico, VA	Repair, maintenance, and calibration of all types of surveying and meteorological equipment on an exchange basis annually (Survey Instrument Exchange Program (SIEP)). - WR
Marine Corps Systems Command	Quantico, VA	Calibration and repair services for all small caliber infantry weapons gages on an exchange basis annually (Infantry Weapons Gages Calibration Exchange Program (IWGCEP)). - WR
MWSS-174, MAG-24, 1st MEB	Kaneohe Bay, HI	Calibration, Repair Maintenance, Overflow Support (SIEP) - MIPR
4th MAW FMF USMCR	New Orleans, LA	"
MWSS-473 4th MAW USMCR Naval Air Station	South Weymouth, MS	"
MASS-2 MACG-28, 1st MAW FMFPAC	FPO AP 96603 8753	"
MWSS-472 4th MAW USMCR MCAS El Toro	Santa Ana, CA	"
HQ BTRY 4th Bn 10th Marines 2nd MARDIV FMFLANT	Camp Lejeune, NC	"
2nd Topographic Platoon 2nd Intelligence Company 2nd SRIG II MEF	Camp Lejeune, NC	"
3rd Topographic Platoon 3rd Intelligence Company 3rd SRIG III MEF	FPO AP 96606 5606	"
1st FSSG FMFPAC	Camp Pendleton, CA	"
3rd FSSG FMFPAC	FPO AP 96604 8800	"
Marine Corps Admin Detachment U.S. Army Training Center	Fort Leonard Wood, MO	"
Marine Corps Admin Detachment U.S. Army Field Artillery School	Fort Sill, OK	"
C Co 6th Engr Supt Group USMCR 4th FSSG	Peoria, IL	"

Data Call 1: General Installation Information (Cont.) Activity: M67004

Activity name	Location	Support function (include mechanism such as ISSA, MOU, etc.)
HQ BTRY 1st Bn 14th Marines 4th MARDIV	San Francisco, CA	Calibration, Repair Maintenance, Overflow Support (SIEP) - MIPR
MAG-11, MCAS El Toro	Santa Ana, CA	Calibration, Repair Maintenance, Overflow Support (IWGCEP) - MIPR
MAG-12, CMCC, MCAS	Iwakuni, Japan	"
MAG-13, MCAS	Yuma, AZ	"
MAG-14 2nd MAW FMFLANT MCAS	Cherry Point, NC	"
MAG-16 3rd MAW FMFPAC MCAS Tustin	Santa Ana, CA	"
MAG-24 1st MEB FMFPAC MCAS	Kaneohe Bay, HI	"
MAG-26 MCAS New River	Jacksonville, NC	"
MAG-29 MCAS New River	Jacksonville, NC	"
HQ MAG-31 MCAS	Beaufort, SC	"
MAG-36 1st MAW FMFPAC Unit 37141 MCAS Futema Camp S.D. Butler	Okinawa	"
PASD MAG-39 3rd MAW MCAS FMFPAC	Camp Pendleton, CA	"
MWCS-18 MACG-18 1st MAW FMFPAC Unit 37181 Camp Foster	Okinawa	"
MWSS-171 MWSG-17 1st MAW FMFPAC MCAS	Iwakuni, Japan	Calibration, Repair Maintenance, Overflow Support (SIEP/IWGCEP) - MIPR
MWSS-172 MWSG-17 1st MAW FMFPAC Unit 37206 MCAS Futema	Okinawa	"
MWSG-17 Unit 37190 1st MAW Camp Kinser	Okinawa	Calibration, Repair Maintenance, Overflow Support (IWGCEP) - MIPR
MWCS-28 DET B 2nd MAW MCAS New River	Jacksonville, NC	"
HQSVCCO OCS MCCDC	Quantico, VA	"
MWSS-271 MWSG-27 2nd MAW FMFLANT MCAS	Cherry Point, NC	Calibration, Repair Maintenance, Overflow Support (SIEP/IWGCEP) - MIPR
MWSS-272 MCAS New River	Jacksonville, NC	"
MWSS-273 2nd MAW FMFLANT MCAS	Beaufort, SC	"

Data Call 1: General Installation Information (Cont.) Activity: M67004

Activity name	Location	Support function (include mechanism such as ISSA, MOU, etc.)
MWSS-274 MWSG-27 2nd MAW FMFLANT MCAS	Cherry Point, NC	Calibration, Repair Maintenance, Overflow Support (SIEP/IWGCEP) - MIPR
H&HS-27 MWSG-27 2nd MAW MCAS	Cherry Point, NC	"
MWCS-38 MACG-38 3rd MAW FMFPAC MCAS El Toro	Santa Ana, CA	Calibration, Repair Maintenance, Overflow Support (IWGCEP) - MIPR
Station Armory (LSPA) MCAS	Kaneohe Bay, HI	"
MWSS-371 MWSG-37 3rd MAW FMFPAC MCAS	Yuma, AZ	"
MWSS-372 MWSG-37 3rd MAW FMFPAC MCB	Camp Pendleton, CA	Calibration, Repair Maintenance, Overflow Support (SIEP/IWGCEP) - MIPR
MWSS-373 MWSG-37 3rd MAW FMFPAC MCAS El Toro	Santa Ana, CA	"
MWSS-374 S-4 Armory 3rd MAW FMFPAC MCAS (H) Tustin	Santa Ana, CA	"
MWSG-37 3rd MAW FMFPAC MCAS El Toro	Santa Ana, CA	"
AGSE Armory MCAGCC	Twentynine Palms, CA	Calibration, Repair Maintenance, Overflow Support (IWGCEP) - MIPR
MWSS-471 DET A 4th MAW	Minneapolis, MN	Calibration, Repair Maintenance, Overflow Support (SIEP/IWGCEP) - MIPR
MWSS-474 4th MAW Naval Base Bldg 101 MCRTC	Philadelphia, PA	"
MWSS-474 (DET A) MWSG-47 4th MAW	Green Bay, WI	Calibration, Repair Maintenance, Overflow Support (IWGCEP) - MIPR
MWSS-471 DET C 4th MAW NAS Whidbey Island	Oak Harbor, WA	Calibration, Repair Maintenance, Overflow Support (SIEP/IWGCEP) - MIPR
MASS-1 MACG-28 2nd MAW MCAS	Cherry Point, NC	"
MASS-2 Unit 37211 MCAS Futema	Okinawa	"
MASS-3 MACG-38 3rd MAW	Camp Pendleton, CA	"
1st Stinger Battery Unit 37232 MCAS Futema	Okinawa	Calibration, Repair Maintenance, Overflow Support (IWGCEP) - MIPR
2nd LAAD BN MACG-28 2nd MAW FMFLANT MCAS	Cherry Point, NC	"
3rd LAAD BN MACG-38 3rd MAW FMFPAC	Camp Pendleton, CA	"
MACS-1 MACG-38 3rd MAW FMFPAC	Camp Pendleton, CA	"

Data Call 1: General Installation Information (Cont.) Activity: M67004

Activity name	Location	Support function (include mechanism such as ISSA, MOU, etc.)
MAC-5 MACG-28 2nd MAW FMFLANT MCAS	Beaufort, SC	Calibration, Repair Maintenance, Overflow Support (SIEP/IWGCEP) - MIPR
MACS-6 MACG-28 2nd MAW FMFLANT MCAS	Cherry Point, NC	Calibration, Repair Maintenance, Overflow Support (IWGCEP) - MIPR
MACS-7 MACG-38 3rd MAW FMFPAC MCAS	Yuma, AZ	"
Armory MAG-24 MCAS	Kaneohe Bay, HI	"
Amphibian Vehicle Test Branch Tactical Systems Supt Activity	Camp Pendleton, CA	"
MACS-4 MACG-18 1st MAW Unit 37215 MCAS Futema	Okinawa	"
MALS-36 1st MAW MCAS Futema	Okinawa	"
MWHS-1 Unit 37121 Camp Foster	Okinawa	"
NWHS-2 2nd MAW FMFLANT MCAS	Cherry Point, NC	"
MWHS-3 MCAS El Toro	Santa Ana, CA	"
MAG-41 4th MAW U.S. Naval Air Station	Dallas, TX	"
Armory MAG-41 4th MAW U.S. Naval Air Station	Dallas, TX	"
MTACS-18 Unit 37176 MCAS Futema	Okinawa	"
TACS-38 MACG-38 3rd MAW FMFPAC MCAS El Toro	Santa Ana, CA	"
Marine TAC Air Cmd Sqdrn 28 MACG-28 MCAS	Cherry Point, NC	"
MAG-42 DET A 4th MAW NAS Cecil Field	Jacksonville, FL	"
4th LAAD BN 4th MAW MACG-48	Pasadena, CA	"
MATCS-18 1st MAW FMFPAC SQDRN Armory Unit 37186	Okinawa	"
MATCS-38 MCAS Tustin	Santa Ana, CA	"
MATCS-28 MACG-28 2nd MAW MCAS New River	Jacksonville, NC	"
MAG-46 HMM-764 Ordnance MCAS El Toro	Santa Ana, CA	"

Data Call 1: General Installation Information (Cont.) Activity: M67004

Activity name	Location	Support function (include mechanism such as ISSA, MOU, etc.)
HQ&HQSQDRN (Armory) MCAS	Cherry Point, NC	Calibration, Repair Maintenance, Overflow Support (IWGCEP) - MIPR
CO MCAS Armory	Jacksonville, NC	"
Code S4PC MCAS	Beaufort, SC	"
Station Armory (1EK) HQ&HQSQDRN MCAS El Toro	Santa Ana, CA	"
Staff NCO Academy MCAS El Toro	Santa Ana, CA	"
Armory Staff NCO Academy MCAS El Toro	Santa Ana, CA	"
S-4 Station Armory MCAS	Yuma, AZ	"
HQ&HQSQDRN MCAS	Kaneohe Bay, HI	"
Armory Marine Corps Air Facility	Quantico, VA	"
MAG-42 4th MAW NAS Atlanta	Marietta, GA	"
Armory MAG-41 4th MAW NAS	Dallas, TX	"
MACS-24 DET A 4th MAW Buckly A.N.G. Base	Aurora, CO	"
MACG-48 S-4 Armory 4th MAW NAS	Glenview, IL	"
MWSG-47 I&I Staff 4th MAW Selfridge A.N.G. Base	Mount Clemens, MI	"
MAG-42 DET B NAS Memphis	Millington, TN	"
MWSS-471 (-) 4th MAW Twin Cities	Minnieapolis, MN	"
MAG-42 DET C 4th MAW MARESFORE NAS	Belle Chase, LA	"
MAG-46 DET B 4MM 4th MAW Armory NAS	Alameda, CA	"
Armory MAG-49 DET C NAS	South Weymouth, MA	"
Armory MAG-49 4th MAW NAS	Willow Grove, PA	"
Armory MAG-46 4th MAW MCAS El Toro	Santa Ana, CA	"
Armory MWSS-474 Bldg 101 U.S. Naval Base	Philadelphia, PA	"

Data Call 1: General Installation Information (Cont.) Activity: M67004

Activity name	Location	Support function (include mechanism such as ISSA, MOU, etc.)
MWSS-473 DET B I&I 4th MAW	Wyoming, PA	Calibration, Repair Maintenance, Overflow Support (IWGCEP) - MIPR
MAG-46 DET A 4th MAW USMCR	Camp Pendleton, CA	"
MAG-49 DET B USMCR Stewart Air National Guard	Newburgh, NY	"
MAG-42 DET B NAS MFS	Millington, TN	"
MAG-49 4th MAW NAF Andrews Air Force Base	Washington, DC	"
Armory MAG-41 4th MAW NAS	Dallas, TX	"
4th LAAM BN DET B	Hayward, CA	"
Armory MAG-46 DET C 4th MAW MCAS	Camp Pendleton, CA	"
PMO MCB	Camp Lejeune, NC	"
Marine Aviation Trng Supt Grp Naval Air Training Command	Pensacola, FL	"
MATSG-90 Bldg S 238 Wing One NAS Memphis	Millington, TN	"
MALS-16 MAG-16 3rd MAW FMFPAC MCAS Tustin	Santa Ana, CA	"
MALS-36 MAG-36 Unit 37141	FPO AP 96603 7141	"
MAG-49 4th MAW FMF USMCR NAS	Willow Grove, PA	"
Armory SVC CO HQ BN 1st MARDIV	Camp Pendleton, CA	"
Armory HQ CO 1st Marines 1st MARDIV (REIN) FMF	Camp Pendleton, CA	"
Armory 1st BN 5th Marines 1st MARDIV (REIN) FMF	Camp Pendleton, CA	"
Armory 3rd BN 5th Marines 1st MARDIV	Camp Pendleton, CA	"
Armory 1st BN 9th Marines 1st MARDIV (REIN) FMFPAC	Camp Pendleton, CA	"
Armory 1st BN 4th Marines 1st MARDIV	Camp Pendleton, CA	"
HQ CO 5th Marines 1st MARDIV FMFPAC	Camp Pendleton, CA	"
Armory 2nd BN 9th Marines	Camp Pendleton, CA	"

Data Call 1: General Installation Information (Cont.) Activity: M67004

Activity name	Location	Support function (include mechanism such as ISSA, MOU, etc.)
Armory 3rd BN 1st Marines 1st MARDIV (REIN) FMF	Camp Pendleton, CA	Calibration, Repair Maintenance, Overflow Support (IWGCEP) - MIPR
Armory 3rd BN 5th Marines 1st MARDIV FMFPAC	Camp Pendleton, CA	"
Armory HQ CO RCT-7 1st MARDIV (REIN) MCAGCC	Twentynine Palms, CA	"
Armory 2nd BN 7th Marines 1st MARDIV(-) (REIN) FMF	Twentynine Palms, CA	"
Armory 3rd BN 9th Marines 1st MARDIV FMFPAC	Camp Pendleton, CA	"
Armory 3rd BN 7th Marines 1st MARDIV (REIN) MCAGCC	Twentynine Palms, CA	"
Armory HQ Battery 11th Marine Reg 1st MARDIV	Camp Pendleton, CA	Calibration, Repair Maintenance, Overflow Support (SIEP/IWGCEP) - MIPR
Ordnance 1st BN 11th Marines 1st MARDIV	Camp Pendleton, CA	"
Ordnance 2nd BN 11th Marines	Camp Pendleton, CA	"
Ordnance 3rd BN 11th Marines 1st MARDIV FMFPAC	Twentynine Palms, CA	"
Ordnance 5th BN 11th Marines 1st MARDIV (REIN) FMF	Camp Pendleton, CA	Calibration, Repair Maintenance, Overflow Support (IWGCEP) - MIPR
Armory 1st Combat Engineer BN 1st MARDIV FMF	Camp Pendleton, CA	Calibration, Repair Maintenance, Overflow Support (SIEP/IWGCEP) - MIPR
Armory 1st RECON BN 1st MARDIV FMF	Camp Pendleton, CA	Calibration, Repair Maintenance, Overflow Support (IWGCEP) - MIPR
Armory HQ BN 2nd MARDIV FMF	Camp Lejeune, NC	"
Armory Marine DET Unitas XXVII 2nd MARDIV FMFLANT	Camp Lejeune, NC	"
2nd Medical BN 2nd FSSG FMFLANT	Camp Lejeune, NC	"
Armory HQ CO 2nd Marines 2nd MARDIV FMFLANT	Camp Lejeune, NC	"
Ornance 2n BN 2nd Marines 2nd MARDIV FMFLANT	Camp Lejeune, NC	"
Armory BLT 1/8 2nd MARDIV	Camp Lejeune, NC	"
Armory 2nd BN 2nd Marines 2nd MARDIV FMFLANT	Camp Lejeune, NC	"
HQ CO 6th Marine Regiment 2nd MARDIV	Camp Lejeune, NC	"
Armory 1st BN 2nd Marines 2nd MARDIV FMFLANT	Camp Lejeune, NC	"

Data Call 1: General Installation Information (Cont.) Activity: M67004

Activity name	Location	Support function (include mechanism such as ISSA, MOU, etc.)
Ordnance 2nd BN 4th Marines 2nd MARDIV FMF	Camp Lejeune, NC	Calibration, Repair Maintenance, Overflow Support (IWGCEP) - MIPR
1st BN 2nd Marines (S-4) 2nd MARDIV	Camp Lejeune, NC	"
Armory 2nd RECON BN	Camp Lejeune, NC	"
Armory HQ CO 8th Marine Regt 2nd MARDIV	Camp Lejeune, NC	"
G-4 CO 3rd BN 8th Marines 2nd MARDIV	Camp Lejeune, NC	"
BN Armory BLT 3/6	Camp Lejeune, NC	"
Armory 2nd BN 2nd Marines 2nd MARDIV FMF	Camp Lejeune, NC	"
Armory HQ Battery 10th Marines 2nd MARDIV FMFLANT Camp Lejeune	Camp Lejeune, NC	Calibration, Repair Maintenance, Overflow Support (SIEP/IWGCEP) - MIPR
Armory 1st BN 10th Marines 2nd MARDIV	Camp Lejeune, NC	"
Armory 2nd BN 10th Marines 2nd MARDIV FMF	Camp Lejeune, NC	"
Armory 3rd BN 10th Marines 2nd MARDIV FMFLANT	Camp Lejeune, NC	"
Armory 5th BN 10th Marines 2nd MARDIV	Camp Lejeune, NC	"
Armory 2nd Combat Engr BN 2nd MARDIV	Camp Lejeune, NC	"
Armory Sub Unit One Camp Fuji	Japan	Calibration, Repair Maintenance, Overflow Support (IWGCEP) - MIPR
Armory HQ CO 3rd Marine Regt (REIN) 1st MEB FMF MCAS	Kaneohe Bay, HI	"
Armory 3rd BN 3rd Marines 1st MEB MCAS	Kaneohe Bay, HI	"
2nd BN 3rd Marines	Kaneohe Bay, HI	"
Armory HQ CO 9th Marines 3rd MARDIV FMFPAC Unit 36000	Okinawa	"
Armory H&S CO 1st BN 7th Marines 1st MARDIV MCAGCC	Twentynine Palms, CA	"
H&S CO 1st BN 7th Marines Unit 13170 S-4 Camp Butler	Okinawa	"
Armory 1st BN 6th Marines 2nd MARDIV	Camp Lejeune, NC	"

Data Call 1: General Installation Information (Cont.) Activity: M67004

Activity name	Location	Support function (include mechanism such as ISSA, MOU, etc.)
Armory HQ CO 4th Marines 3rd MARDIV FMFPAC Unit 35970 Camp Schwab	Okinawa	Calibration, Repair Maintenance, Overflow Support (IWGCEP) - MIPR
Armory 3rd BN 3rd Marines 3rd MARDIV (REIN) FMF Camp Butler	Okinawa	"
Armory 2nd BN 3rd Marines 3rd MARDIV Unit 82064 Camp Butler	Okinawa	"
2nd LT MOCK 3rd BN 7th Marines 1st MARDIV (REIN) MCAGCC	Twentynine Palms, CA	"
Armory HQ BTRY 12th Marines 3rd MARDIV FMFPAC Unit 36070 Camp Zukeran	Okinawa	"
Armory 1st BN 12th Marines 1st MEB MCAS	Kaneohe Bay, HI	"
Armory 2nd BN 12th Marines 3rd MARDIV (REIN) FMF Unit 36090 Camp Zukeran	Okinawa	"
Armory 3rd BN 12th Marines 3rd MARDIV FMFPAC Unit 36110 Camp Butler	Okinawa	Calibration, Repair Maintenance, Overflow Support (IWGCEP) - MIPR
Armory 4th BN 12th Marines 3rd MARDIV FMFPAC Camp Butler	Okinawa	"
Ordnance 3rd CBT ENGR BN 3rd MARDIV Unit 36350 Camp Hansen	Okinawa	Calibration, Repair Maintenance, Overflow Support (SIEP/IWGCEP) - MIPR
Armory Truck CO HQ BN 3rd MARDIV FMFPAC Camp Hansen	Okinawa	Calibration, Repair Maintenance, Overflow Support (IWGCEP) - MIPR
Armory 3rd RECON BN 3rd MARDIV (REIN) FMF Unit 36180 Camp Schwab	Okinawa	"
HQ CO Comm CO I&I	Cincinnati, OH	"
Armory HQ SVC CO 4th Medical BN 4th FSSG NMCRTC	San Diego, CA	"
MCRF FMF USMCR Armed Forces Reserve Center Anacostia Naval Station	Washington, DC	"
4th LAI BN I&I 4th MARDIV (REIN) FMF USMCR	Camp Pendleton, CA	"
Armory B CO 4th LAI BN 4th MARDIV (REIN) FMF USMCR Fort Detrick	Frederick, MD	"
C CO 4th LAI BN 4th MARDIV USMCR MCRTC Toole Army Depot	Toole, UT	"

Data Call 1: General Installation Information (Cont.) Activity: M67004

Activity name	Location	Support function (include mechanism such as ISSA, MOU, etc.)
Armory 23rd Marines I&I Staff	San Rafael	Calibration, Repair Maintenance, Overflow Support (IWGCEP) - MIPR
B CO 23rd Marines 4th MARDIV	Austin, TX	"
1st BN 23rd Marines I&I Staff 4th MARDIV	Houston, TX	"
B CO 24th Marines I&I Staff 4th MARDIV	Austin, TX	"
2nd BN 23rd Marines I&I Staff MARESFOR FMF USMCR (14120)	Encino, CA	"
2nd BN 23rd Marines I&I Staff MARESFOR FMF USMCR (14121)	Encino, CA	"
B CO (REIN) I&I 4th LSB 4th FSSG MARESFOR FMF USMCR AFRC	Lathrop, CA	"
WPNS CO 2/23 MCRTC I&I Staff Bldg 6 NCBC	Port Hueneme, CA	"
Armory HQ&SVC CO 4th MARDIV FMF USMCR NMCRTC	New Orleans, LA	"
WPNS CO I&I Staff 1st BN 23rd Marines	Bossier City, LA	"
WPNS CO 3rd BN I&I Staff 23rd Marines 4th MARDIV Naval & Marine Corps Reserve	Baton Rouge, LA	"
Ordnance 24th Marines 4th MARDIV	Kansas City, KS	"
1st BN 24th Marines 4th MARDIV FMF USMCR	Detroit, MI	"
WPNS CO I&I Staff 1st BN 24th Marines 4th MARDIV	Perrysburg, OH	"
JJMMCRTC I&I Staff	Chicago IL	"
WPNS CO 2nd BN I&I Staff 24th Marines 4th MARDIV	Waukegan, IL	"
3rd BN 24th Marines I&I Staff 4th MARDIV	Bridgeton, MO	"
K CO 3rd BN 3rd PLT (REIN) 24th Marines 4th MARDIV ARRC	Evansville, IN	"
WPNS CO 3rd BN 24th Marines 4th MARDIV AFRC	Springfield, MO	"
HQ CO I&I Staff 25th Marines 4th MARDIV	Worcester, MA	"
H&S CO 1st BN I&I Staff 25th Marines 4th MARDIV	Camp Edwards, MA	"

Data Call 1: General Installation Information (Cont.) Activity: M67004

Activity name	Location	Support function (include mechanism such as ISSA, MOU, etc.)
H&S CO 2nd BN I&I Staff 25th Marines 4th MARDIV	Garden City, NY	Calibration, Repair Maintenance, Overflow Support (IWGCEP) - MIPR
E CO 2nd BN 25th Marines 4th MARDIV FMF USMCR	Harrisburg, PA	"
HQ SVC CO 3rd BN I&I Staff 25th Marines 4th MARDIV	Brookpark, OH	"
H&S CO I&I Staff 2nd MP CO 4th FSSG NMRTC	Pittsburgh, PA	"
H CO 3rd BN 25th Marines	Columbus, OH	"
WPNS CO 3rd BN I&I Staff 25th Marines 4th MARDIV	Moundsville, WV	"
14th Marines I&I Staff 4th MARDIV NAS	Dallas, TX	"
A BTRY 1st BN I&I Staff 14th Marines 4th MARDIV	Spokane, WA	"
B BTRY 1st BN I&I Staff 14th Marines 4th MARDIV	Poco Rivera, CA	"
HQ BTRY I&I Staff 2nd BN 14th Marines	Fort Worth, TX	"
HQ BTRY 3rd BN I&I Staff 14th Marines 4th MARDIV	Philadelphia, PA	"
G BTRY 3rd BN I&I Staff 14th Marines 4th MARDIV	West Trenton, NJ	"
I&I Staff 6000 Strathmore Rd	Richmond, VA	"
I BTRY 3rd BN I&I Staff 14th Marines 4th MARDIV	Reading, PA	"
HQ BTRY 4th BN I&I Staff 14th Marines 4th MARDIV	Bessemer, AL	"
Armory 4th BN 14th Marines 4th MARDIV	Bessemer, AL	"
M BTRY 4th BN I&I Staff 14th Marines 4th MARDIV	Chattanooga, TN	"
N BATRY 5th BN I&I Staff 14th Marines 4th MARDIV	EL Paso, TX	"
P BTRY 5th BN I&I Staff 14th Marines	Aurora, CA	"
H&S CO 4th Combat Engr BN 4th MARDIV	Baltimore, MD	"
B CO 4th CBT ENGR BN I&I Staff 4th MARDIV	Roanoke, VA	"

Data Call 1: General Installation Information (Cont.) Activity: M67004

Activity name	Location	Support function (include mechanism such as ISSA, MOU, etc.)
H&S CO 4th LAN SPT BN I&I Staff 4th FSSG 4th MARDIV Naval Station Puget Sound	Seattle, WA	Calibration, Repair Maintenance, Overflow Support (IWGCEP) - MIPR
5th Bulk Fuel CO I&I Staff 6th ENGR SPT BN	Tacoma, WA	"
1st BN I&I Staff 14th Marines 4th MARDIV	Alameda, CA	"
C BTRY 1st BN I&I Staff 14th Marines 4th MARDIV	Jackson, MS	"
D BTRY 2nd BN I&I Staff 14th Marines NMCRC	Waterloo, IA	"
E BTRY 2nd BN I&I Staff 14th Marines	Joliet, IL	"
F BTRY 2nd BN I&I Staff 14th Marines 4th MARDIV	Oklahoma City, OK	"
K BTRY 4th BN I&I Staff 14th Marines 4th MARDIV	Huntsville, AL	"
5th BN I&I Staff 14th Marines 4th MARDIV NMCRTC	Los Angeles, CA	"
AT (TOW) CO 4th Tank BN I&I Staff 4th MARDIV AFRC USMCR	Broken Arrow, OK	"
Truck CO I&I Staff 6th MT BN	Orlando, FL	"
Auto Contact Maint Team I&I Staff 4th MT BN 4th FSSG	Allentown, PA	"
Truck CO I&I Staff HQ BN 4th MARDIV	Erie, PA	"
4th Supply BN 4th FSSG AFRC	Washington, DC	"
Auto Contact Maint PLT 4th MT BN	Augusta, GA	"
H&S CO 4th RECON BN MARESFOR FMF USMCR NMCRC	San Antonio, TX	"
Armory 4th Force RECON CO	Reno, NV	"
Armory HQ&SVC BN MARCORFOR ATL Camp Elmore	Norfolk, VA	"
Armory HQ SVC CO 1st MEB FMFPAC MACS	Kaneohe Bay, HI	"
Armory BSSG 1 MCAS	Kaneohe Bay, HI	"
MT CO BSSG 1 1st MEB FMFPAC ORD PLT MCAS	Kaneohe Bay, HI	"

Data Call 1: General Installation Information (Cont.) Activity: M67004

Activity name	Location	Support function (include mechanism such as ISSA, MOU, etc.)
Armory HQ&SVC CO III MEF Unit 35605 FMF Camp Courtney	Okinawa	Calibration, Repair Maintenance, Overflow Support (IWGCEP) - MIPR
Armory HQ&SVC CO II MEF	Camp Lejeune, NC	"
Ordnance HQ&SVC CO 9th MEB FMF Camp Courtney	Okinawa	"
Armory HQ&SVC CO I MEF FMF	Camp Pendleton, CA	"
Armory HQ&SVC CO 6th MEB FMFLANT	Camp Lejeune, NC	"
13th MEU (SOC) FMF	Camp Pendleton, CA	"
Armory HQ&SVC CO 5th MEB FMFPAC	Camp Pendleton, CA	"
S-4 11th MEU	Camp Pendleton, CA	"
Armory 22nd MEU FMFLANT	Camp Lejeune, NC	"
Armory 24th MEU	Camp Lejeune, NC	"
CE 26th MEU (SOC) DET K Unit 82224	Camp Lejeune, NC	"
USMCR AFRC Bldg 351 Annacostia Naval Station	Washington, DC	"
Armory MEU SVC SPT Group-11	Camp Pendleton, CA	"
Armory MAINT DET MSSG-15 1st FSSG	Camp Pendleton, CA	"
Armory MSSG-22 2nd FSSG FMF	Camp Lejeune, NC	"
Armory MSSG-26 2nd FSSG (REIN) FMFLANT	Camp Lejeune, NC	"
Armory MEU SVC SPT GRP-24 2nd FSSG FMFLANT	Camp Lejeune, NC	"
Armory A CO HQ&SVC BN Unit 35002 Camp Butler	Okinawa	"
Armory HQ&SVC BN 2nd SRIG II MEF FMFLANT	Camp Lejeune, NC	"
Armory 2nd SRIG	Camp Lejeune, NC	"
Armory HQ CO 1st SRIG	Camp Pendleton, CA	"
S-4/MMO 3rd SRIG III MEF Unit 35607 Camp Courtney	Okinawa	"

Data Call 1: General Installation Information (Cont.) Activity: M67004

Activity name	Location	Support function (include mechanism such as ISSA, MOU, etc.)
Armory 1st LAR BN	Camp Pendleton, CA	Calibration, Repair Maintenance, Overflow Support (IWGCEP) - MIPR
Ordnance H&S CO 2nd LAI BN 2nd MARDIV FMFLANT	Camp Lejeune, NC	"
Armory 3rd LAI BN Regimental Combat Team 7 MCAGCC	Twentynine Palms, CA	"
Armory A CO (REIN) 3rd LAI BN MCAGCC	Twentynine Palms, CA	"
DET 3rd LAI BN 7th Marine Regiment MCAGCC	Twentynine Palms, CA	"
MMO 7th ENGR SPT BN 1st FSSG FMFPAC	Camp Pendleton, CA	"
Armory 8th ENGR SPT BN 2nd FSSG FMFLANT	Camp Lejeune, NC	"
4th Bridge CO (REIN) 6th ENGR SPT BN NMCRC	Battle Creek, MI	"
H&S CO 8th Tank BN I&I Staff 4th MARDIV NMRTC	Rochester, NY	"
B CO 8th Tank BN I&I Staff 4th MARDIV USMCR	Syracuse, NY	"
C CO 8th Tank BN I&I Staff 4th MARDIV MCRTC	Tallahassee, FL	"
Ordnance 1st Tank BN 1st MARDIV (REIN) FMF	Twentynine Palms, CA	"
Armory 2nd Tank BN Tank Maint 2nd MARDIV FMFLANT	Camp Lejeune, NC	"
Ord 1st Tank BN Regimental Combat Team 7 1st MARDIV (REIN) FMF	Twentynine Palms, CA	"
4th Tank BN I&I Staff 4th MARDIV NAS Miramar	San Diego, CA	"
A CO 4th Tank BN 4th Marines	San Diego, Ca	"
4th Tank BN I&I Staff 4th MARDIV	Yakima, WA	"
C CO 4th Tank BN (REIN) I&I Staff FMF USMCR	Boise, ID	"
1st Radio BN Marine Forces Pacific MCAS	Kaneohe Bay, HI	"
Armory 2nd Radio BN 2nd SRIG FMF	Camp Lejeune, NC	"
Armory 1st ANGLI CO 1st SRIG I MEF	Camp Pendleton, CA	"

Data Call 1: General Installation Information (Cont.) Activity: M67004

Activity name	Location	Support function (include mechanism such as ISSA, MOU, etc.)
2nd ANGLI CO 2nd SRIG	Camp Lejeune, NC	Calibration, Repair Maintenance, Overflow Support (IWGCEP) - MIPR
3rd ANGLI CO I&I Staff 4th MARDIV U.S. Naval Station	Long Beach, CA	"
AT (TOW) CO 8th Tank BN I&I Staff 4th MARDIV	Hialeah, FL	"
MMO 4th ANGLI CO FMF USMCR TRNG CTR	West Palm Beach, FL	"
Armory HQ CO 7th Comm BN 3rd SRIG III MEF Unit 35608 Camp Hansen	Okinawa	"
B CO 7th Comm BN 1st MEB FMFPAC MCAS	Kaneohe Bay, HI	"
8th Comm BN 2nd SRIG	Camp Lejeune, NC	"
9th Comm BN 1st SRIG FMFPAC	Camp Pendleton, CA	"
4th FSSG I&I Staff NMCRC Fort Schuyler	Bronx, NY	"
Comm CO 6th Comm BN I&I Staff	Amityville, NY	"
Armory CSG (S-4) 3rd MARDIV FMF Unit 36380 Camp Schwab	Okinawa	"
Ordnance 2nd ASLT AMPH BN 2nd MARDIV	Camp Lejeune, NC	"
Armory 3rd AAV BN 1st MARDIV (REIN) FMF	Camp Pendleton, CA	"
Armory D CO 3rd AABN 7th Regimental Combat Team MCAGCC	Twentynine Palms, CA	"
Armory A CO AAV DET 3rd Marines 1st MEB FMF MCAS	Kaneohe Bay, HI	"
4th ASLTPHI BN I&I Staff	Tampa, FL	"
A CO 4th AAV BN I&I Staff 4th MARDIV	Gulfport, MS	"
B CO 4th AAV BN I&I Staff 4th MARDIV FMF USMCR AFRC NAS	Jacksonville, FL	"
A CO 4th AAV BN I&I Staff 4th MARDIV USMCR NAB Little Creek	Norfolk, VA	"
B CO 4th AAV BN I&I Staff 4th PLT 4th MARDIV Fort Point	Galveston, TX	"
6th ENGR SPT BN I&I Staff 4th FSSG NMCRTC	Portland, OR	"

Data Call 1: General Installation Information (Cont.) Activity: M67004

Activity name	Location	Support function (include mechanism such as ISSA, MOU, etc.)
A CO 6th ENGR SPT BN I&I Staff ENGR PLT (REIN) 4th FSSG USMCR	Eugene, OR	Calibration, Repair Maintenance, Overflow Support (IWGCEP) - MIPR
ENGR SPT CO 6th ENGR SPT BN I&I Staff 4th FSSG	Gary, IN	"
B CO 6th ENGR SPT BN I&I Staff 4th FSSG	South Bend, IN	"
6th Bulk Fuel CO I&I Staff 4th FSSG	Phoenix, AZ	"
Armory 2nd LAAM BN	Yuma, AZ	"
Armory 3rd LAAM BN MCAS	Cherry Point, NC	"
Armory H&S Battery 4th LAAM BN	Fresno, CA	"
10th Bulk Fuel CO I&I Staff 6th ENGR SPT BN 4th MARDIV	Folsom, PA	"
Armory 8th MTR TRANS BN 2nd FSSG (REIN)	Camp Lejeune, NC	"
Armory HQ&SVC BN 2nd FSSG (REIN) FMFLANT	Camp Lejeune, NC	"
Supply CO 2nd SPT BN 2nd FSSG FMFLANT	Camp Lejeune, NC	"
Armory 2nd MT BN 2nd FSSG FMFLANT	Camp Lejeune, NC	"
ORD MT CO IW Shop 2nd MT BN 2nd FSSG FMFLANT	Camp Lejeune, NC	"
MMO CSSD-21 Supply 2nd FSSG MCAS	Cherry Point, NC	"
Armory CSSD-23 2nd FSSG MCAS	Beaufort, SC	"
Armory 2nd Landing SPT BN 2nd FSSG FMFLANT	Camp Lejeune, NC	"
6th MTR TRANS BN I&I Staff 4th FSSG USMCR	Red Bank, NJ	"
Truck CO 3rd Truck PLT 6th MT BN FMF Fort Nathan Hale Park	New Haven, CT	"
6th MTR TRANS BN I&I Staff 4th FSSG Fields Point AFRC	Providence, RI	"
Armory 3rd Medical BN 3rd FSSG FMFPAC Unit 38447 Camp Butler	Okinawa	"
MMO 7th MTR TRANS BN 1st FSSG	Camp Pendleton, CA	"

Data Call 1: General Installation Information (Cont.) Activity: M67004

Activity name	Location	Support function (include mechanism such as ISSA, MOU, etc.)
Armory 1st MED BN 1st FSSG	Camp Pendleton, CA	Calibration, Repair Maintenance, Overflow Support (IWGCEP) - MIPR
H&S BN 1st FSSG FMFPAC	Camp Pendleton, CA	"
MMO 1st Supply BN 1st FSSG FMFPAC	Camp Pendleton, CA	"
HQ SVC CO 1st MT BN 1st FSSG	Camp Pendleton, CA	"
ORD MT CO 1st MT BN 1st FSSG FMFPAC	Camp Pendleton, CA	"
DET A ORD PLT CSSD-12 1st FSSG MCAGCC FMFPAC	Twentynine Palms, CA	"
ORD PLT CSSD-12	Twentynine Palms, CA	"
Armory 1st Force RECON CO	Camp Pendleton, CA	"
Armory 2nd Force RECON CO 2nd SRIG	Camp Lejeune, NC	"
4th Force RECON CO	Honolulu, HI	"
Armory CSSD-14 1st FSSG MCAS El Toro	Santa Ana, CA	"
MMO CSSD-16 MCAS	Yuma, AZ	"
Armory 1st LSB 1st FSSG	Camp Pendleton	"
Armory MSSG-13 MAINT DET 1st FSSG	Camp Pendleton, CA	"
Armory HQ&SVC BN 3rd FSSG FMFPAC Unit 38406 Camp Butler	Okinawa	"
Armory 3rd Sup BN 3rd FSSG FMFPAC Unit 38410 Camp Butler	Okinawa	"
Armory 3rd MT BN 3rd FSSG Unit 38424 Camp Butler	Okinawa	"
ORD MT CO 3rd MT BN 3rd FSSG FMFPAC Unit 38428 Camp Butler	Okinawa	"
H&S CO 3rd SPT BN 3rd FSSG Unit 38416 Camp Butler	Okinawa	"
ORD SEC MT DET MSSG-31 3rd FSSG FMFPAC Unit 29048 Camp Kinser	Okinawa	"
Armory CSSD-36 Unit 38490 MCAS	Iwakuni, Japan	"

Data Call 1: General Installation Information (Cont.) Activity: M67004

Activity name	Location	Support function (include mechanism such as ISSA, MOU, etc.)
HQ&SVC CO HQ&SVC BN 4th FSSG	Marietta, GA	Calibration, Repair Maintenance, Overflow Support (IWGCEP) - MIPR
Comm CO HQ&SVC BN 4th FSSG 4th MARDIV USMCR	Greensboro, NC	"
Beach & Port Operations CO I&I Staff	San Jose, CA	"
2nd BTO CO I&I Staff NMCRC	Savannah, GA	"
HQ&SVC CO 4th Supply BN I&I Staff 4th FSSG	Newport News, VA	"
4th Bulk Fuel CO 6th ENGR SPT BN I&I Staff 4th FSSG	Tucson, AZ	"
4th Maint BN I&I Staff 4th FSSG	Charlotte, NC	"
Elect Maint I I&I Staff 4th Maint BN 4th FSSG NMCRC	Wichita, KS	"
ENGR Maint CO 4th Maint BN I&I Staff 4th FSSG NMCRC	Omaha, NE	"
2nd Auto Contact Maint PLT Maint CO Maint BN 4th FSSG	Sacremento, CA	"
G/S Maint CO I&I Staff 4th Maint BN NMCR Rock Island Arsenal	Rock Island, IL	"
Armory 9th ENGR SUP BN Unit 38438 3rd FSSG FMFPAC Camp Butler	Okinawa	"
PM GRD WPNS MARCORSYSTEM	Quantico, VA	"
Armory HQ&SVC BN HQ CO MCCDC	Quantico, VA	"
Staff NCO Academy T&ECTRO H&S BN MCCDC	Quantico, VA	"
ORD Officer Security BN MCCDC	Quantico, VA	"
Armory SPT BN The Basic School MCCDC	Quantico, VA	"
Armory C.O. MCCDC OCS	Quantico, VA	"
M/F SYSCOM (Code CBGI)	Quantico, VA	"
Armory RTE Shop WPNS TRNG BN MCCDC	Quantico, VA	"
Armory MCRD/ERR	Parris Island, SC	"
Armory MP BN MCB (33040)	Camp Pendleton, CA	"

Data Call 1: General Installation Information (Cont.) Activity: M67004

Activity name	Location	Support function (incluce mechanism such as ISSA, MOU, etc.)
Armory MP BN MCB (33044)	Camp Pendleton, CA	Calibration, Repair Mairtenance, Overflow Support (IWGCEP) - MIPR
SPT BN MCB	Camp Pendleton, CA	"
HQ&SPT BN MCB	Camp Pendleton, CA	"
ORD Officer Security BN MCB	Camp Pendleton, CA	"
H&S CO Correctin BN MCB	Camp Pendleton, CA	"
ORD Officer School of Infantry MCB	Camp Pendleton, CA	"
Armory Mountain Warfare TRNG CTR USMC	Bridgeport, CA	"
WPNS&FLD TRNG BN (MCRD) Edson Range Area	Camp Pendleton, CA	"
Armory Assault Amphibian School MCB	Camp Pendleton, CA	"
Armory FLD Medical School MCB	Camp Pendleton, CA	"
MCRD/WRR	San Diego, Ca	"
Armory HQ BN MCAGCC	Twentynine Palms, CA	"
Armory BCO HQ BN MCAGCC	Twentynine Palms, CA	"
MAR COR AIR GRND Combat CTR	Twentynine Palms, CA	"
73rd Armory 3rd BN HQ CO LAV-25 W36-PLL	Fort Bragg, NC	"
OIC Sub Unit 1 PSC-47	Camp Fuji, Japan	"
Marine DET USS Saratoga (CV-60)	FPO AA 34078 2740 (Afloat)	"
Marine DET USS Independence (CV-62)	FPO AP 96618 2760 (Afloat)	"
Armory Marine DET USS Kitty Hawk (CV-63)	FPO AP 96634 2770 (Afloat)	"
Armory Marine DET USS America (CV-66)	FPO AE 09531 2790 (Afloat)	"
Armory Marine DET USS Canopus (AS-34) Naval Sub Base	Kings Bay, GA	"
Armory Marine DET USS John F. Kennedy (CVN-67)	FPO AE 09538 2800 (Afloat)	"

Data Call 1: General Installation Information (Cont.) Activity: M67004

Activity name	Location	Support function (include mechanism such as ISSA, MOU, etc.)
Armory Marine DET USS Dwight D. Eisenhower (CV-69)	FPO AE 09532 2830 (Afloat)	Calibration, Repair Maintenance, Overflow Support (IWGCEP) - MIPR
Armory Marine DET USS Nimitz (CVN-68)	FPO AP 96697 2820 (Afloat)	"
Armory Marine DET USS Theodore Roosevelt (CVN-71)	FPO AE 09599 2871 (Afloat)	"
Armory Marine DET USS Abraham Lincoln (CVN-72)	FPO AP 96612 2872 (Afloat)	"
Armory Marine Barracks PSC-455	Marianas Islands, Guam	"
Armory Marine Barracks U.S. Naval Base	Pearl Harbor, HI	"
Armory Marine Barracks PSC-473	Yokosuka, Japan	"
Marine Corps Security Force CO U.S. Naval Station Unit 6269	Rodman, Panama	"
Marine Corps Security Force CO PSC-810 NAVSUPPACT	Naples, Italy	"
Marine Corps Security Force CO PSC-821 U.S. Naval ACT	London, UK	"
Marine Corps Security Force CO U.S. Naval Air Station	Patuxtent River, MD	"
ORD Officer Marine Barracks Ground Defense/Security Force	Guantanamo Bay, Cuba	"
Armory Marine Corps Security Force CO	Rota, Spain	"
Armory Marine Corps Security Force CO U.S. Naval Station	Roosevelt Roads, Puerto Rico	"
Armory Marine Corps Security Force CO NAS	Sigonella, Italy	"
Marine Corps Security Force CO NAS	Keflavik, Iceland	"
Marine Barracks Marine Corps Security Force CO USNSF	Diego, Garcia	"
Armory Marine Corps Security Force CO NAS	Alameda, CA	"
Armory Marine Corps Security Force CO NSB Bangor	Silverdale, WA	"
Marine Corps Security Force CO Naval Wpns Station	Concord, CA	"

Data Call 1: General Installation Information (Cont.) Activity: M67004

Activity name	Location	Support function (include mechanism such as ISSA, MOU, etc.)
Armory Marine Barracks Marine Corps Security Force CO U.S. Naval Station	Annapolis, MD	Calibration, Repair Maintenance, Overflow Support (IWGCEP) - MIPR
Armory Marine Corps Security Force CO NAS North Island	San Diego, CA	"
Armory Marine Corps Security Force CO NAS Cecil Field	Jacksonville, FL	"
Armory Marine Corps Security Force PAC Mare Island Naval Station	Vallejo, CA	"
Armory Marine Corps Security Force Co Naval Wpns Station Earle	Colts Neck, NJ	"
N BTRY 5th BN I&I Staff 14th Marines	El Paso, TX	"
Armory Marine Corps Security Force BN	Norfolk, VA	"
Armory Marine Corps Security Force TRNG CTR NSGA NW	Chesapeake, VA	"
Armory Marine Corps Security Force Co MCSF BN LANT	Norfolk, VA	"
Armory Marine Corps Security Force Co Naval Wpns Station	Yorktown, VA	"
Armory Marine Corps Security Force BN	Goose Creek, SC	"
Armory Marine Corps Security Force Co Naval Sub Base	Kings Bay, GA	"
Armory HQ BN HQMC Henderson Hall	Arlington, VA	"
Armory Marine Corps Security Guard BN	Quantico, VA	"
Small Arms Branch USMC Admin DET Aberdeen Proving Grounds	Aberdeen, MD	"
Armory Marine Barracks 8th & "I"	Washington, DC	"
Armory Bldg 23101	Camp Pendleton, CA	"
Armory HQ CO 7th Marines 1st MARDIV (REIN) MCAGCC	Twentynine Palms, CA	"
Armory H&H SQDRN MCAS TUSTIN	Santa Ana, CA	"
Armory H&HS Unit 35402 MCAS	Iwakuni, Japan	"

Data Call 1: General Installation Information (Cont.) Activity: M67004

Activity name	Location	Support function (include mechanism such as ISSA, MOU, etc.)
Armory HQ&HQ SQDRN Unit 3502 MCAS Futema	Okinawa	Calibration, Repair Maintenance, Overflow Support (IWGCEP) - MIPR
Armory Landing Force TRNG CMD LANT HQ CO	Norfolk, VA	"
Armory HQ SVC BN MARFORPAC	Camp H.M. Smith, HI	"
Armory CSSD-76 Unit 38530	Camp Fuji, Japan	"
ORD Maint Contact Team I&I Staff NMCRC	Lawrence, MA	"
1st PLT Truck CO HQ BN I&I Staff 4th MARDIV (REIN) FMF	Connellsville, PA	"
2nd PLT Truck CO HQ BN I&I Staff 4th MARDIV NMCRC	Evansburg, PA	"
3rd Force RECON CO 4th SCAMP HQ CO HQ BN USMCR Springhill Substation	Mobile, AL	"
Ammunition CO I&I Staff 4th SUP BN 4th FSS USMCR	Greenville, SC	"
TOW PLT HQ CO 23rd Marines 4th MARDIV FMF	Broussard, LA	"
C CO DET I&I Staff 4th Tank BN FMF USMCR	Amarillo, TX	"
ORD Maint CO I&I Staff NMCRC	WACO, TX	"
MTR TRANS Maint CO 4th MT BN NMCRTC 4549 FM-18	Abilene, TX	"
Comm CO DET HQ BN I&I Staff 4th MARDIV FMF USMCR	Indianapolis, IN	"
Bulk Fuel TRANS PLT 6th MT BN 4th FSSG USMCR	Texarkana, TX	"
Ammunition PLT I&I Staff MCRTC 4th SUP BN 4th FSSG	Rome, GA	"
4th Bulk Fuel CO I&I Staff	Bakersfield, CA	"
6th Bridge CO 6th ENGR SPT BN 4th FSSG 4th MARDIV (REIN) USMCR	Eugene, OR	"
10th Bulk Fuel CO 6th ENGR SPT BN 4th MARDIV NMCRC	Wilmington, DE	"
HQ SVC CO HQ SVC BN 4th FSSG	Marietta, GA	"

Data Call 1: General Installation Information (Cont.) Activity: M67004

Activity name	Location	Support function (include mechanism such as ISSA, MOU, etc.)
5th Truck PLT Truck CO I&I Staff 6th MT BN 4th FSSG NMCRTC	Lubbock, TX	Calibration, Repair Maintenance, Overflow Support (IWGCEP) - MIPR
6th Truck PLT Truck CO I&I Staff 6th MT BN 4th FSSG NMCRTC	Lubbock, TX	"
4th RECON CO I&I Staff 4th MARDIV	Reno, NV	"
6th Bulk Fuel CO I&I Staff 6th ENGR SPT BN	Phoenix, AZ	"
B CO 4th RECON BN 4th MARDIV	Billings, MT	"
I&I Staff	Tucson, AZ	"
AVTB/MCTSSA	Camp Pendleton, CA	"
CSSD-111 MT DET/ORD 1st FSSG	San Francisco, CA	"
DET A 1st SRIG	Twentynine Palms, CA	"
HQ SVC BN 2nd FSSG (REAR) FMFLANT	Camp Lejeune, NC	"
ORD CO 2nd MT BN 2nd FSSG	Camp Lejeune, NC	"
1st BN 14th Marines	Camp Lejeune, NC	"
Schools BN SASSY Account	Camp Pendleton, CA	"
ORD MT Section SVC CO SUP BR HQ&SVC BN MCCDC	Quantico, VA	"
Staff NCO Academy TRNG&ED CTR TE-17	Quantico, VA	"
Armory Marine Corps ENGR School	Camp Lejeune, NC	"
ORD Officer HQ SPT BN	Camp Lejeune, NC	"
SVC SPT Schools	Camp Lejeune, NC	"
Armory RFLR DET	Camp Lejeune, NC	"
ORD Officer School of Infantry (East)	Camp Lejeune, NC	"
Armory FLD Medical SVC School	Camp Lejeune, NC	"

Data Call 1: General Installation Information (Cont.) Activity: M67004

Activity name	Location	Support function (include mechanism such as ISSA, MOU, etc.)
WT BN MCCDC (98119)	Quantico, VA	Calibration, Repair Maintenance, Overflow Support (IWGCEP) - MIPR
EAP MCAGCC INL (CC731)	Twentynine Palms, CA	"
Armory Marine DET USS Coral Sea (CV-43)	New York, NY (Afloat)	"
Armory 1st BN 3rd Marines FMF Unit 44407 3rd MARDIV (REIN) Camp Hansen	Okinawa	"
BLT 1/1 31st MEU Camp Butler	Okinawa	"
HQ 1st MEB BSSD MCAS	Kaneohe Bay, HI	"
Armory Deployment SPT Unit MML149 2nd SUP BN 2nd FSSG	Camp Lejeune, NC	"
Blount Island Command	Jacksonville, FL	Provide Non-Destructive (NDI) and Radiography Services for the MPF Program - WR
II MEF	Camp Lejeune	Provide paint and corrosion control services - PO
K BTRY 4th BN 14th Marines	Huntsville, AL	Provide R&R, calibration, comm/elect, and/or paint and corrosion control services - WR
H CO 3rd BN 23rd Marines 4th MARDIV	Montgomery, AL	"
I CO 3rd BN 23rd Marines 4th MARDIV AFRC	North Little Arkansas, AK	"
MAG-42 DET A MARTC NAS Cecil Field	Jacksonville, FL	"
AT (TOW) CO 8th Tank BN 33rd ITT HQ CO HQ BN 4th MARDIV	Miami, FL	"
H&S CO H&S BN 4th FSSG NMCRC	Atlanta, GA	"
MAG-41 DET B NAS Atlanta	Marietta, GA	"
G CO 6th ENGR SPT BN 4th FSSG NMCRC	Danville, IL	"
Comm CO DET One H&S BN 4th FSSG 4th MARDIV NMCRC	Fort Wayne, IN	"
E CO 2nd BN 24th Marines 4th MARDIV NMCRC	Des Moines, IA	"
SUP CO 2nd SPT PLT 4th SUP BN 4th FSSG AFRC	Topeka, KS	"
1st MP CO H&S BN 4th FSSG NMCRC	Lexington, KY	"
A CO 8th Tank BN	Louisville, KY	"

Data Call 1: General Installation Information (Cont.) Activity: M67004

Activity name	Location	Support function (include mechanism such as ISSA, MOU, etc.)
WPNS CO Dragon PLT (REIN) 1st BN 25th Marines 4th MARDIV MCRC	Topsham, ME	Provide R&R, calibration, comm/elect, and/or paint and corrosion control services - WR
H&S CO WPNS CO 1st BN 25th Marines 4th MARDIV MCRTC	Camp Edwards, MA	"
C CO 1st PLT (REIN) 1st BN 25th Marines 4th MARDIV AFRC Westover AFB	Chicopee, MA	"
ORD MT Contact Team ORD MT CO 4th MT BN 4th FSSG NMCRC	Lawrence, MA	"
B CO 1st PLT (REIN) 1st BN 24th Marines 4th MARDIV NMCRC	Flint, MI	"
A CO 1st BN 24th Marines 4th MARDIV NMCRC	Grand Rapids, MI	"
C CO 1st BN 24th Marines 4th MARDIV NMCRC	Lansing, MI	"
D CO 2nd BN 25th Marines 4th MARDIV MCRC	Dover, NJ	"
H&S CO (REIN) 6th MT BN 4th FSSG MCRC	Fort Monmouth, NJ	"
A CO 1st BN 25th Marines 4th MARDIV NMCRC	Albany, NY	"
Long Lines CO 6th Comm BN 4th MARDIV NMCRC	Brooklyn, NY	"
I CO 3rd BN 25th Marines 4th MARDIV NMCRC	Buffalo, NY	"
H&S CO/WPNS CO 2nd BN 25th Marines 4th MARDIV Garden City	Long Island, NY	"
34th ITT/HQ CO HQ BN 4th MARDIV Garden City	Long Island, NY	"
34th ITT HQ DET 2nd MAB 4th MARDIV Garden City	Long Island, NY	"
F CO 2nd BN 25th Marines 4th MARDIV NMCRC	New Rochelle, NY	"
H&S BN Comm CO 4th FSSG NMCRC	Greensboro, NC	"
SUP CO 4th SUP BN 4th FSSG NMCRC	Raleigh, NC	"
G CO 3rd BN 25th Marines 4th MARDIV NMCRC	Akron, OH	"
H&S CO/WPNS CO 3rd BN NMCRC	Cleveland, OH	"
MP PLT (REIN) 1st MP CO H&S BN 4th FSSG AFRC	Dayton, OH	"

Data Call 1: General Installation Information (Cont.) Activity: M67004

Activity name	Location	Support function (include mechanism such as ISSA, MOU, etc.)
WPNS CO 1st BN 24th Marines 4th MARDIV NMCRC	Toledo, OH	Provide R&R, calibration, comm/elect, and/or paint and corrosion control services - WR
Truck CO 2nd PLT HQ BN 4th MARDIV MCRTC	Ebensburg, PA	"
MHE PLT H&S CO H&S BN MCRTC	New Castle, PA	"
C CO 4th Landing SPT BN 4th FSSG MCRC	Charleston, SC	"
D CO 8th Tank BN NMCRC	Columbia, SC	"
H CO 3rd BN 24th Marines 4th MARDIV MCRC	Johnson City, TN	"
D CO 4th Combat ENGR BN 4th MARDIV NMCRC	Knoxville, TN	"
HQ/D BTRYS 2nd BN 14th Marines 4th MARDIV NMCRC	Dallas, TX	"
MAG-41 NAS	Dallas, TX	"
H&S CO 1st BN 23rd Marines 4th MARDIV NMCRC	Ellington, TX	"
C CO PLT 1st BN 23rd Marines 4th MARDIV MCRC	Harlingen, TX	"
A CO 1st BN 23rd Marines 4th MARDIV NMCRC	Orange, TX	"
H&S/A CO/C CO 4th RECON BN 4th MARDIV MCRC	San Antonio, TX	"
C CO 4th Combat ENGR BN 4th MARDIV AFRC	Lynchburg, VA	"
Air Control Section MCAF	Quantico, VA	"
H BTRY 3rd BN 14th Marines 4th MARDIV NMCRC	Richmond, VA	"
U.S. Army	Fort Monmouth, NJ	Provide maintenance for electronic equipment (radios, wire communications, etc.) - DMISA
U.S. Army, TACOM	Warren, MI	Modification support for the M9 Ace - MIPR
U.S. Army National Guard	Arlington, VA	Provide repair maintenance, paint, and corrosion control services - MIPR
U.S. Army Reserve	Atlanta, GA	Provide paint and corrosion control services - MIPR
HQ, 18aBnCorps, ACSRM	Fort Bragg, NC	Repair and Return (R&R) maintenance of Light Armored Vehicles (LAV's) - MIPR
Defense Reutilization and Marketing Office (DRMO)	Fort Benning, GA	Provide services for demilitarization - MIPR
U.S. Navy	Mechanicsburg, PA	Provide maintenance for electronic equipment - DMISA

Data Call 1: General Installation Information (Cont.) Activity: M67004

Activity name	Location	Support function (include mechanism such as ISSA, MOU, etc.)
Naval Air Warfare Center Aircraft Division, UX-1	Pax, MD	Provide maintenance for electronic equipment - DMISA
Naval Weapons Support Center	Crane, IN	"
Norfolk Naval Shipyard	Portsmouth, VA	Support of R&R equipment - WR
Second Naval Construction Brigade	Norfolk, VA	Calibration services for Naval Construction Small Arms Gages - WR
Strategic Weapons Facility, Atlantic	Kings Bay, GA	Calibration services for TMDE - WR
U.S. Coast Guard	Baltimore, MD	Provide engine rebuild services - DMISA
U.S. Air Force	Sacramento, CA	Provide maintenance for electronics equipment - DMISA
HQUSCENTAF/LGS	Shaw AFB, SC	Repair services for USCENTAF Harvest Falcon Equipment - WR
Defense General Supply Center	Richmond, VA	Provide R&R service for defective stock - PO
State Department	Washington, DC	Provide calibration services - WR
Drug Enforcement Admin.	Washington, DC	Provide weapon repair/rebuild services - MIPR

Data Call 1: General Installation Information (Cont.) Activity: M67004

Activity name	Location	Support function (include mechanism such as ISSA, MOU, etc.)
All DoD IMM's as follows:		
DLA OSP	Cameron Station, VA	Provide MC war reserve require-ment/attainment data for planning/budgetary purposes.
DCSC	Columbus, OH	"
DESC	Dayton, OH	"
DGSC	Richmond, VA	"
DISC	Philadelphia, PA	"
DPSC (S9M/S9T/S9S)	"	"
TACOM	Warren, MI	"
ARM/MUN/CHEM Cmd	Rock Island, IL	"
CECOM	Ft Monmouth, NJ	"
Army SecLog Cmd	Ft Huchuca, AZ	"
Army MSL Cmd	Redstone Ars, AL	"
McCellan AFB ALC	Sacramento, CA	"
Tinker AFB ALC	Oklahoma City, OK	"
Robins ALC	Warner Robbins, GA	"
USAF Crypto SupCtr	San Antonio, TX	"
San Antonio ALC	"	"
Fed Sup Svc	Washington, DC	"
Navy ASO	Philadelphia, PA	"
Navy SPCC	Mechanicsburg, PA	"
HQMC (LPO/LPP)	Washington, DC	Provide war reserve recomp schedules, sustainment reports, statistical data, in support of MC war reserve program.
Marine Forces as follows:		
MARFORLANT	Norfolk, VA	Provide data files, training, technical guidance, sustainment reports, withdrawal support, in support of all aspects of the MC war reserve program (requirements determination, mobilization planning and execution). Providing logistics sourcing data for available assets and shortfalls during deliberate planning and crisis execution.
MARFORPAC	Camp Smith, HI	
MARRESFOR	New Orleans, LA	
I MEF	Camp Pendleton, CA	
First FSSG	" "	
II MEF	Camp Lejeune, NC	
Second FSSG	" "	
III MEF	Okinawa	
Third FSSG	"	
First Radio Bn	Kaneohe, HI	
HQMC (LPO)	Washington, DC	Provide MARCORLOGBASES support of the Marine Corps Continuity of Operations Plan (MCCOOP)
DLA Depots	Albany, GA Barstow, CA	Provide supply requisitions and any special shipping instructions in support of MC mobilization.
Unified and Specified Commanders		OPLAN-specific support provided. Logistics sourcing data, in Level Four cargo detail, to facilitate sustainability analysis and transportation feasibility.
Naval Audit Service (Audit specific)		Provide data files, extract reports and technical information in support of MC war reserve audits.

Data Call 1: General Installation Information (Cont.) Activity: M67004

Activity name	Location	Support function (include mechanism such as ISSA, MOU, etc.)
Reliability Analysis Center	Rome, NY	Provide reliability centered maintenance data analysis support and technical assistance throughout the life cycle of a weapon system.
Potomac Systems Engineering	Quantico, VA	Provide cost analyses for weapons systems through the Marine Corps Integrated Maintenance Management System (MIMMS) and the Marine Corps Automated and Readiness Evaluation System (MARES).
Radian Incorporated	Dumfries, VA	Provide cost analyses for weapons systems through the MIMMS and MARES.
USA Tank-Automotive Command	Warren, MI	Provide RCM data management and cost analyses for weapons systems through the MIMMS and the MARES.
Fleet Marine Forces: Includes all Major Commands and Bases, MEF's, MARDIV's and Reserve Units and Recruiting Centers	123 locations World-wide	Provide WSEM and life cycle support for all fielded ground weapon systems.
Marine Corps Systems Command	Quantico, VA	Provide electronic connectivity to the only Marine Corps engineering drawing data repository. Provide weapons systems management support during equipment acquisition process.
Marine Corp Multi-Commodity Maintenance Center	Albany, GA	Provide electronic connectivity to the only Marine Corps engineering drawing data repository.
Marine Corp Multi-Commodity Maintenance Center	Barstow, GA	Provide electronic connectivity to the only Marine Corps engineering drawing data repository.
Marine Corps Logistics Base	Barstow, CA	Provide QA oversight, policy guidance, and training for weapon systems managed and used within the Marine Corps.
Blount Island Command	Jacksonville, FL	"
Headquarters Marine Corps	Washington, DC	Participate in the coordination and issue of implementing directives for HQMC policies to ensure QA standardization. Develop/revise Product Quality Deficiency Report Program policy and provide to HQMC for approval.

Data Call 1: General Installation Information (Cont.) Activity: M67004

Activity name	Location	Support function (include mechanism such as ISSA, MOU, etc.)
Fleet Marine Force: Includes all Bases, MEF's, MAW's, MARDIV's, and most Reserve Units, Recruiting Centers etc.	123 Locations Worldwide	Act as the single USMC point of contact for USMC PQDR Originators per MCO 4855.10B. Function as the centralized control point for submission, tracking, evaluation, and monitoring ROD's submitted to the Marine Corps.
Department of the Army Bases: AMCCOM, CECOM, MICOM, TROSCOM, TACOM	5 Locations: Rock Island, IL; Red Bank, NJ; Huntsville, AL; St. Louis, MO; Warren MI.	Function as USMC PQDR Screening Point. Coordinate, monitor, track, evaluate Army PQDR Action Point final PQDR responses and requests for PQDR exhibits. Function as the centralized control point for submission, tracking, evaluation, and monitoring ROD's submitted to the Marine Corps.
Department of the Air Force Bases: Kelly AFB, Robins AFB, McClellan AFB	3 Locations: San Antonio, TX; Warner Robins, GA; Sacramento, CA.	"
Department of the Navy Bases: Fleet Analysis Ctr, Naval Shipyard, DEF Depot, NWS Ctr, COMSPAWAR SYSCOM	5 Locations: Corona, CA; Portsmouth, NH; Mechanicsburg, PA; Crane, IN; Washington, DC.	"
Defense Logistic Agency (DLA) Activities: DPSC, DISC, DGSC, DCSC, DESC	5 Locations: 2 at Philadelphia, PA; Richmond, VA; Columbus, OH; Dayton, OH.	"
General Services Administration (GSA)	Kansas City, MO.	"
Government Industry Deficiency Exchange Program (GIDEP)	Corona, CA	Submit GIDEP reports and react to requests for stock screenings. Provide information and feedback as requested/required.
Navy International Logistics Control Office (NAVILCO)	Philadelphia, PA	Function as centralized POC for NAVILCO regarding Foreign Military Sales customer complaints on Marine Corps managed items. Coordinate responses to Foreign Military Sales complaints from the following Countries: Israel, Korea, Australia, Saudi Arabia, Turkey, Jordan, Italy
Fastener Engineering and Analysis Team (FEAT)	DSCS Philadelphia PA	Active Team Member. Review board for Safety Critical Fasteners used within DoD.

Data Call 1: General Installation Information (Cont.) Activity: M67004

Activity name	Location	Support function (include mechanism such as ISSA, MOU, etc.)
Department of the Army 27 Loan Projects	Worldwide 27 Activities	These loans support Army facilities for purposes of research and development (tests), manufacturing, modernization repair, overhauls, operations.
Department of the Air Force Three Loan Projects	Conus 3 Activities	These loans support Air Force facilities for purposes of research and development (tests), manufacturing, modernization repair, overhauls.
Department of the Navy 36 Loan Projects	Worldwide 36 Activities	These loans support Navy facilities for purposes of research and development (tests), manufacturing, modernization repair, overhauls.
Drug Loans Six Projects	Worldwide 6 Activities	Support to law enforcement and federal agencies (drug interdiction).
U. S. Marine Corps 111 Loan Projects	Worldwide	These loans support Marine Corps installations and repair facilities for purposes of research and development (tests), manufacturing, modernization repair, overhauls, and for Marine Corps special training programs and operations. Also, support of civic organizations (e.g.: Boy Scouts, etc.).
Government Furnished Equipment (GFE) 73 Projects	Worldwide	These projects are primarily to support Research and Development (tests) contract endeavors , which include manufacturing, modernization, repair efforts, and bailment.
Government Furnished Materiel (GFM) 34 Projects	Worldwide	These projects are primarily to support Research and Development (tests) contract endeavors , which include manufacturing, modernization, repair efforts, and bailment.
40 Depots DLA, Army, Navy and Air Force	Conus	Provide disposition instructions for Marine Corps assets stored at non-Marine Corps Depots.
Department of the Army 139 Requisitions	Worldwide	The material obligation validation (MOV) is a quarterly Backorder reconciliation that is with the requisitioning customer.
Department of the Air Force 160 Requisitions	Worldwide	"
Department of the Navy 72 Requisitions	Worldwide	"
United State Coast Guard Three Requisitions	Conus	"
United State Marine Corps 7016 Requisitions	Worldwide	"
MCLB	Albany, GA	Manage the Material Release Order follow-up program.
MCLB	Barstow, CA	"
MCLB	Albany, GA	Manage the Physical Inventory Program for the Marine Corps.
MCLB	Barstow, CA	"

Data Call 1: General Installation Information (Cont.) Activity: M67004

Activity name	Location	Support function (include mechanism such as ISSA, MOU, etc.)
Department of Navy	DoD-Wide	Programs for Competition
Department of Army	"	"
Department of Air Force	"	"
U.S. Coast Guard	"	"
Department of Air Force	Wright-Patterson AFB, OH	Joint Depot Maint Analysis Group (JDMAG)
Marine Corps Systems Command	Quantico, VA	Pricing and availability of end items. Support packages and procurement for foreign customers.
HQMC	Washington, DC	Provide information on Presidential Determinations such as 552 drawdowns.
NAVILCO (Navy)	Philadelphia, PA	Requisition/billing/transportation information.
Foreign Military Sales Customers	Canada Egypt Jordan Korea Kuwait Italy Morocco	Repair/rebuild of customer countries military equipment - Letter of Offer and Acceptance (LOA) (Listed Countries). Training for all FMS Customers when requested.
Department of Defense	Nation wide	Small Business Contracts, Minority Vendors, Bureau of Indian Affairs
All Marine Corps Bases, Camps, Posts, Stations, Recruiting Depots, and Other Installations	World Wide	Price Challenge Program/Price Verification
Defense Construction Supply Center	Columbus, OH	"
Defense Electronics Supply Center	Dayton, OH	"
Defense Industrial Supply Center	Philadelphia, PA	"
Defense Personnel Supply Center	Philadelphia, PA	"
General Services Administration/Federal Supply Service	Washington, DC	"
Army	Redstone Arsenal, AL	"
Navy (FMSO)	Mechanicsburg, PA	"
Air Force	Warner Robins, GA Kelly Air Force Base, TX McClellan Air Force Base, CA	"
Contractors	United States Canada	Bailment

Data Call 1: General Installation Information (Cont.) Activity: M67004

Activity name	Location	Support function (include mechanism such as ISSA, MOU, etc.)
MARCORDET Ft Gordon	Ft Gordon, GA	Military justice, administrative discharge, Standards of Conduct, financial disclosure reporting - CMC Letter of Instruction
MARCORDET Ft McClellan	Ft McClellan, AL	"
MARCORDET Ft Benning	Ft Benning, GA	"
MARCORDET MacDill AFB	MacDill AFB, FL	"
MARCORDET RSA	Redstone Arsenal, AL	"
US Army	Albany, GA	Provide official photography for local Army Reservists, National Guard and Albany State College Army ROTC.
Robbins AFB	Macon, GA	LOA to provide emergency AUTODIN services. (Narrative message traffic)
Federal Emergency Management Agency (FEMA)	Thomasville, GA	LOA to provide non-working hours emergency AUTODIN services. (Narrative message traffic)
Blount Island Command	Jacksonville, FL	Physical security and crime prevention surveys.
National Guard, Reserve Forces	Southeastern GA area	Provide vehicle registration.
Federal Aviation Administration	Albany, GA	Provide photographic and lamination services for Identification badges.
Dougherty County School System	Dougherty County	Drug Awareness Resistance Education (DARE) training. - MOU
HQ Sixth Marine Corps District	Atlanta, GA	Full civilian personnel management services and payroll support. - ISA
Military Traffic Management Command	Falls Church, VA	Magnetic tape of government Bills of Lading. - ISA
HQ 5th Combat Communications Group	Robins AFB, GA	Food Services for field exercises. - ISA
Contractors/Private Citizens	CONUS	Provides Tech Data packages, Engineering Drawings under the Freedom of Information Act
Bruce Jones Co.	Bldg. 5400, MCLB Albany, GA	Contractor Operated Parts Store (COPARS). Provides repair parts for GME equipment.
Albany Fire Department	Albany, GA	Mutual Aid Support (Apparatus, equipment, and personnel for fighting fires and hazardous material accidents).
Worth County EMS/Fire Department	Worth County, GA	"
Sylvester Fire Dept.	Sylvester, GA	"
Lee County Fire Dept.	Lee County, GA	"

Data Call 1: General Installation Information (Cont.) Activity: M67004

Activity name	Location	Support function (include mechanism such as ISSA, MOU, etc.)
Leesburg Fire Dept.	Leesburg, GA	Mutual Aid Support (Apparatus, equipment, and personnel for fighting fires and hazardous material accidents).
Camilla Fire Dept.	Camilla, GA	"
Baconton Fire Dept.	Baconton, GA	"
Newton Fire Dept.	Newton, GA	"
Dawson Fire Dept.	Dawson, GA	"
Public, private, and/or church schools	Dougherty, Lee, Worth, Tift, Crisp Mitchell and Cook Counties	Public Fire Safety & Education Support (Sesame Street Fire Dept., "Freddie" the Fire Truck "Sparky" the Fire Dog "Oscar" the Grouch, "The Fireman," and other characters and fire prevention booklets and brochures to hand out.
Festivals, parades, and parages	Dougherty, Lee, Worth, Tift, Crisp, Mitchell and Cook Counties	"
Georgia Public Service Training Center, Proctor & Gamble Paper Products, Merck & Co., Georgia Pacific, and all nearby counties	Dougherty, Lee, Worth, Tift, Crisp, Mitchell and Cook Counties	Fire Safety Training Support
U.S. Army-ROTC Instr. at Albany State College	3rd ROTC Region Ft. Riley, KS	Housing services - Lease agreement with sponsor.
U.S. Army Recruiter	U.S. Army Recruit Bn, Jacksonville, FL	"
U.S. Air Force Recruiter	Moody Air Force Base, GA	"
U.S. Navy Recruiter	NAS Atlanta, GA	"
U.S. Marine Corps Recruiter	USMC Recruiting Station, Jacksonville, FL	"
U.S. Army National Guard	24th Inf. Div., Ft. Stewart, GA	"
U.S. Marine Corps active duty on unaccompanied tour overseas	Marine Corps Base Okinawa	Housing services - Lease agreement with sponsor and CG letter approving retention of quarters.
U.S. Army active duty on unaccompanied tour overseas	1st AG Repl Det. APO AP (Korea)	Housing services - Lease agreement with sponsor.
U.S. Marine Corps active duty on unaccompanied tour to Cuba	Marine Corps Barracks, Guantanamo Bay, Cuba	Housing services - Lease agreement with sponsor and CG letter approving retention of quarters.

Data Call 1: General Installation Information (Cont.) Activity: M67004

Activity name	Location	Support function (include mechanism such as ISSA, MOU, etc.)
U.S. Marine Corps families of active duty Marines who are in training between duty stations	San Diego, CA Parris Island, SC Quantico, VA Aberdeen, MD	Housing services - Lease agreement with sponsor and CG letter approving retention of quarters.
U.S. Marine Corps families of active duty given retention approval for personal reasons (permit children to complete school year, etc.)	MCCDC, Quantico, VA	Housing services - Lease agreement with sponsor and CG letter approving retention of quarters for a specified time.
Civilian -- prior active duty personnel authorized to retain quarters on rental basis.	Albany, GA	CG letter approving retention of quarters on rental basis for a specified time.
Simulation, Training and Instrumentation Command (STRICOM)	Orlando, FL	Contracting Support and legal review and counsel on Army acquisitions; advice and guidance on small business affairs. - ISA
U.S. Army Safety Center	Ft. Rucker, AL	Contracting Support
Joint Staff	Washington, DC	Contracting support and legal review and counsel on JS and U&S Command acquistions and guidance on small business affairs - ISA
Def. Manpower Data Center	Monterey, CA	Contracting Support.
Defense Institute Trng Resource Analysis	Monterey, CA	"
MCLB Barstow	Barstow, CA	Mainframe computer processing.
Blount Island Command	Jacksonville, FL	"
4th Marine Division	New Orleans, LA	"
4th Marine Air Wing	New Orleans, LA	"
8th Marine Corps District	New Orleans, LA	"
Blount Island Command	Jacksonville, FL	Network and PC support (Acquisition Install Maintenance)
US Army	HQ PM Soldier Woodbridge, VA	Assemble, pack and distribute 300,000 laser protective sun, wind, and dust goggles. - MIPR/SOW
Marine Corps Systems Command	Quantico, VA	Assemble, pack and distribute 97,000 laser protective sun, wind, and dust goggles. - MIPR/SOW
Marine Corps Systems Command	Quantico, VA	Receipt, assemble package, pack, and ship 68,451 Marine Corps unique survival kits. - MIPR/SOW

Data Call 1: General Installation Information (Cont.) Activity: M67004

Activity name	Location	Support function (include mechanism such as ISSA, MOU, etc.)
NAVILCO	Philadelphia, PA	Receipt, storage, care-in-store, assembly, packaging and shipment of basic issue items, assorted tool kits, weapons/weapons parts, and Nuclear Biological and Chemical Warfare systems for the Saudi Arabian National Guard. Actions required to support over 100 LAV's and approximately 150,000 line items. MIPR/SOW
2ND FSSG	Camp Lejeune, NC	Receipt, storage, care-in-store, packing and shipment of medical supplies and equipment as requested by Commander, Medical Logistics Company. Material consists of 30 days of War Reserve supply. - ISA
81st Army Reserve Command	Atlanta, GA Fort Gillem, GA Jacksonville, FL Orlando, FL Miami, FL	Provide detachment of Marines, tools, and test equipment to perform organizational/intermediate level maintenance on ground combat equpment (motor transport, engineer, communications/electronics) in support of the Army Reserves in remote locations. - MOU
Morocco Army	Morocco	Storage, preservation, preparation for shipment of 240 M60A1 combat tanks in support of the Moroccoan Army. - MIPR/SOW
II MEF 2ND Marine Division 2ND FSSG 2ND MAW	Camp Lejeune, NC MCAS, Beaufort, SC	Developed a preservation training program and provided classroom and hands-on demonstrations of preservation techniques, methods, standard, tools and equipment, and best practices to approximately 75 personnel of the FMF. Funded by II MEF and guided by our lesson plans.
ASC/YOC	Eglin AFB, FL	MCU2/P Gas mask Testing.
NAVSHIPSYENGSTA Carderock Div. NAVSURFWARCEN	Philadelphia, PA	MCU2/P Gas mask Testing.
CBDCOM Aberdeen Proving Grounds	Aberdeen, MD	DoD IG Independent M17/M40 Series Gas mask testing.
HQ AMCCOM	Rock Island, IL	DoD IG Independent M17/M40 Series Gas mask testing.
Asst. Dep. Under Secretary of the Navy	Arlington, VA	Joint Service MCU2/P Gas mask testing.
Marine Corps Recruit Depot	Parris Island, NC	Contingency Planning.

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.)

Provided under separate cover.

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

MAJGEN J. D. STEWART
NAME (Please type or print)

J D Stewart
Signature

COMMANDING GENERAL
Title

14 Feb 94
Date

MCLB, ALBANY, GA
Activity

Data Call 1: General Installation Information (Cont.) Activity: M67004

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

NEXT ECHELON LEVEL (if applicable)

MAJGEN J. D. STEWART
NAME (Please type or print)

Signature

COMMANDER
Title

14 Feb 94
Date

MARCORLOGBASES, ALBANY, GA
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

Title

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)

NAME (Please type or print)

Signature

18 Feb 1994
Date

Title

Activity

Document Separator

127

See Revised Data Call

UNITED STATES MARINE CORPS
MARINE CORPS LOGISTICS BASES
814 RADFORD BOULEVARD
ALBANY, GEORGIA 31704-1128

IN REPLY REFER TO:
5200
Code 40
MAY 28 1994

From: Commander, Marine Corps Logistics Bases, Albany
To: Commandant of the Marine Corps (LFL)

Subj: BASE CLOSURE AND REALIGNMENT ACT DATA CALL NUMBER SEVENTEEN (CAPACITY)

Ref: (a) DepChiefNavOps (Log) (N4) memo MM-0129-F3 BSAT/JC of 25 Apr 94

Encl: (1) Data Call 17, MCLB Albany, GA
(2) Data Call 17, MCLB Barstow, CA

1. In accordance with the reference, enclosures (1) and (2) are submitted.

2. Point of contact is Mrs. Glenda Hill, DSN 567-5691 or commercial (912) 439-5691.

J. D. Stewart

J. D. STEWART

Data Call for Capacity Analyses
Marine Corps Logistics Bases

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Table of Acronyms

ACE	Acquisition Cost of Equipment
ADMIN	Administration; administrative
BOQ/BEQ	Bachelor Officer/Enlisted Quarters
BV	Best Value
CCN	Category Code Number
CMC	Commandant of the Marine Corps
COMM	Communications
COMP	Component
CPV	Current Plant Value
DLMH	Direct Labor Man Hour
DOD	Department of Defense
DON	Department of the Navy
E-O/NV	Electro-Optics / Night Vision
ESQD	Explosive Safety Quantity Distance
FMS	Foreign Military Sales
FY	Fiscal Year
FYDP	Future Years Defense Plan
HERF	Hazardous Electronic Radiation- Fuel
HERO	Hazardous Electronic Radiation-Ordnance
HERP	Hazardous Electronic Radiation-Personnel
IPE	Industrial Plant Equipment
JCSG-DM	Joint Cross Service Group- Depot Maintenance
KSF	One thousand Square Feet
LQNC	Low Quantity, Non-Core
LSOR	Last Source of Repair
MCLB	Marine Corps Logistics Base
MILCON	Military Construction
MODS	Modifications
MRP	Maintenance of Real Property
N/A	Non-Applicable
NAVFACINST	Naval Facilities Instruction
PEI	Principle End Items
POM	Program Objective Memorandum
RCM	Reliability Center of Maintenance
ROI	Return on Investment
SC/SS	Satellite Control/Space Sensors
TMDE	Test, Measurement Diagnostic Equipment
UIC	Unit Identification Code
YR	Year

Data Call for Capacity Analyses
Marine Corps Logistics Bases

Primary UIC: M67004
(Use this number as Activity identification at top of every page)

Mission Area

1. Missiles N/A

1.1 Given the current configuration and operation of the Logistics Base, provide the Missile/Missile Component production that was executed in and is programmed for the Fiscal Years (FYs) requested in both number of units throughput (both PEIs and components) (Tables 1.1.a and 1.1.b) and in Direct Labor Man Hours (DLMHs) (Tables 1.1.c and 1.1.d).

Table 1.1.a: **Historic/Projected Missile/Component Workload**

Missile/Missile Components	Units Throughput							
	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Missile Frame								
Propulsion/Component								
Guidance/Component								
Payload/Component								
Missile Accessories/ component storage								
Surface Comms/ Control Systems								
Support and Launch Equipment								
Total								

Table 1.1.b: **Historic/Projected Missile/Component Workload**

Missile/Missile Components	Units Throughput							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Missile Frame								
Propulsion/Component								
Guidance/Component								
Payload/Component								
Missile Accessories/ component storage								
Surface Comms/ Control Systems								
Support and Launch Equipment								
Total								

1. Missiles, continued

Table 1.1.c: **Historic/Projected Missile/Component Workload**

Missile/Missile Components	DLMHs (000s)							
	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Missile Frame								
Propulsion/Component								
Guidance/Component								
Payload/Component								
Missile Accessories/ component storage								
Surface Comms/ Control Systems								
Support and Launch Equipment								
Total								

Table 1.1.d: **Historic/Projected Missile/Component Workload**

Missile/Missile Components	DLMHs (000s)							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Missile Frame								
Propulsion/Component								
Guidance/Component								
Payload/Component								
Missile Accessories/ component storage								
Surface Comms/ Control Systems								
Support and Launch Equipment								
Total								

1. Missiles, continued

1.2 Given the current configuration and operation of the Logistics Base, provide the Core portion of the missile production that was executed in and is programmed for the Fiscal Years (FY) requested, in units throughput and in Direct Labor Man Hours (DLMHs).

Table 1.2.a: **Historic/Projected Missile/Component Core Workload**

Missile/Missile Components	Units Throughput							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Missile Frame								
Propulsion/Component								
Guidance/Component								
Payload/Component								
Missile Accessories/ component storage								
Surface Comms/ Control Systems								
Support and Launch Equipment								
Total								

Table 1.2.b: **Historic/Projected Missile/Component Core Workload**

Missile/Missile Components	DLMHs (000s)							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Missile Frame								
Propulsion/Component								
Guidance/Component								
Payload/Component								
Missile Accessories/ component storage								
Surface Comms/ Control Systems								
Support and Launch Equipment								
Total								

1.3 Assuming (a) the current projected total 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 this Logistics Base could expand missile operations based on the current and future planned workload mixes? Please provide your response in the absolute maximum number of missiles/components (both PEIs and components) and DLMHs that could be processed at this Logistics Base by category type.

1. Missiles, continued

Table 1.3.a **Maximum Potential Missile/Component Workload**

Missile/Missile Components	Units Throughput						
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Missile Frame							
Propulsion System/Components							
Guidance System/Components							
Payload System/Components							
Missile Accessories/ component storage							
Surface Comms/ Control Systems							
Support and Launch Equipment							
Total							

Table 1.3.b Maximum Potential Missile/Component Workload

Missile/Missile Components	DLMHs (000s)						
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Missile Frame							
Propulsion System/Components							
Guidance System/Components							
Payload System/Components							
Missile Accessories/ component storage							
Surface Comms/ Control Systems							
Support and Launch Equipment							
Total							

1. Missiles, continued

1.4 Provide details of your calculations including assumptions on additional space utilized, major equipment required, production rates, and constraints that limit increased missile/component workload at this Logistics Base.

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

1.6 Are there any environmental, legal, or otherwise limiting factors (encroachment, pollutant discharge, etc.) that inhibit further development of missile workload at this Logistics Base?

Mission Area

2. Amphibians

2.1 Given the current configuration and operation of the Logistics Base, provide the Amphibious Vehicles/Component production that was executed in and is programmed for the Fiscal Years (FYs) requested in both number of units throughput (both PEIs and components) (Tables 2.1.a and 2.1.b) and in Direct Labor Man Hours (DLMHs) (Tables 2.1.c and 2.1.d).

Table 2.1.a: **Historic/Projected Amphibious Vehicles/Component Workload**

Amphibious Vehicles / Components	* Units Throughput							
	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Hull/Frame, and Installed Systems	529	598	533	418	281	167	361	582
Engines	23	26	23	18	32	64	26	6
Armament	4	4	4	3		12		6
Electronic/Comm Equipment	39	44	39	31	30	22	18	34
Support Equipment								
Components/ Accessories	797	902	803	630	882	639	522	419
Other (Specify) **	55	62	56	44	1	164	2	89
Total	1,447	1,636	1,458	1,144	1,226	1,068	929	1,136

* **Includes Amphibious Workload for Marine Corps assets loaned to and funded by the Army, in FYs 92/23, to return to Condition Code "A".**

** **Includes miscellaneous items such as, Enhanced Applique Armor Kits (EAAK), Clutches, Sprockets, and access covers.**

Table 2.1.b: **Historic/Projected Amphibious Vehicles/Component Workload**

Amphibious Vehicles / Components	* Units Throughput							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Hull/Frame, and Installed Systems	432	432	460	460	460	460	460	460
Engines	19	19	28	28	28	28	28	28
Armament	3	3						
Electronic/Comm Equipment	32	32	6	6	6	6	6	6
Support Equipment								
Components/ Accessories	651	651	954	966	986	986	986	986
Other (Specify) **	45	45	34	34	34	34	34	34
Total	1,182	1,182	1,482	1,494	1,514	1,514	1,514	1,514

* **Includes Amphibious Workload for Marine Corps assets loaned to and funded by the Army, in FYs 92/23, to return to Condition Code "A".**

** **Includes miscellaneous items such as, Enhanced Applique Armor Kits (EAAK), Clutches, Sprockets, and access covers.**

2. **Amphibians, continued**

Table 2.1.c: **Historic/Projected Amphibious Vehicles/Component Workload**

Amphibious Vehicles / Components	* DLMHs (000s)							
	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Hull/Frame, and Installed Systems	181.4	188.3	188.4	189.4	210.0	192.6	380.2	262.4
Engines	2.1	2.2	2.2	2.2	4.6	6.1	3.5	1.0
Armament	.3	.3	.3	.3				.7
Electronic/Comm Equipment	.8	.9	.9	.9	.9	.1	.3	1.3
Support Equipment								
Components/ Accessories	12.3	12.8	12.8	12.8	23.6	14.8	4.4	8.5
Other (Specify) **	7.5	7.8	7.8	7.9		1.4	2.6	19.6
Total	204.4	212.3	212.4	213.5	239.1	215.0	391.0	293.5

* **Includes Amphibious Workload for Marine Corps assets loaned to and funded by the Army, in FYs 92/23, to return to Condition Code "A".**

** **Includes miscellaneous items such as, Enhanced Applique Armor Kits (EAAK), Clutches, Sprockets, and access covers.**

Table 2.1.d: **Historic/Projected Amphibious Vehicles/Component Workload**

Amphibious Vehicles / Components	* DLMHs (000s)							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Hull/Frame, and Installed Systems	301.3	289.7	293.6	299.3	293.6	293.6	293.6	293.6
Engines	3.6	3.4	6.4	6.4	6.4	6.4	6.4	6.4
Armament	.4	.4	.3	.3	.3	.3	.3	.3
Electronic/Comm Equipment	1.4	1.3	.7	.7	.7	.7	.7	.7
Support Equipment								
Components/ Accessories	20.4	19.7	68.8	69.3	69.8	69.8	69.8	69.8
Other (Specify) **	12.5	12.0	8.1	8.1	8.1	8.1	8.1	8.1
Total	339.6	326.5	377.9	384.1	378.9	378.9	378.9	378.9

* **Includes Amphibious Workload for Marine Corps assets loaned to and funded by the Army, in FYs 92/23, to return to Condition Code "A".**

** **Includes miscellaneous items such as, Enhanced Applique Armor Kits (EAAK), Clutches, Sprockets, and access covers.**

2. Amphibians, continued

2.2 Given the current configuration and operation of the Logistics Base, provide the Core portion of the amphibian production that was executed in and is programmed for the FY requested, in units throughput and in DLMHs.

* Table 2.2.a: **Historic/Projected Amphibious Vehicles/Component Core Workload**

Amphibious Vehicles / Components	** Units Throughput							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Hull/Frame, and Installed Systems	82	82	83	81	83	83	83	83
Engines	5	5	4	4	4	4	4	4
Armament	1	1			1			
Electronic/Comm Equipment	8	8						
Support Equipment								
Components/ Accessories	26	26	65	66	68	68	68	68
Other (Specify) ***	4	4						
Total	126	126	152	151	156	155	155	155

* **The years requested on the official data call (86-93) have been changed (94-01) to be consistent with all other commodities.**

** **Includes Amphibious Workload for Marine Corps assets loaned to and funded by the Army, in FYs 92/23, to return to Condition Code "A".**

*** **Includes miscellaneous items such as, Enhanced Applique Armor Kits (EAAK), Clutches, Sprockets, and access covers.**

Table 2.2.b: **Historic/Projected Amphibious Vehicles/Component Core Workload**

Amphibious Vehicles / Components	* DLMHs (000s)							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Hull/Frame, and Installed Systems	135.2	135.2	114.3	115.6	114.3	114.3	114.3	114.3
Engines	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0
Armament								
Electronic/Comm Equipment								
Support Equipment								
Components/ Accessories	5.6	5.7	11.1	11.1	11.1	11.1	11.1	11.1
Other (Specify) **	1.4	1.3						
Total	143.3	143.3	126.5	127.8	126.4	126.4	126.4	126.4

* **Includes Amphibious Workload for Marine Corps assets loaned to and funded by the Army, in FYs 92/23, to return to Condition Code "A".**

** **Includes miscellaneous items such as, Enhanced Applique Armor Kits (EAAK), Clutches, Sprockets, and access covers.**

2. Amphibians, continued

2.3 Assuming (a) the current projected total 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 this Logistics Base could expand amphibious vehicle operations based on the current and future planned workload mixes? Please provide your response in the absolute maximum number of amphibious vehicles/components (both PEIs and components) and DLMHs that could be processed at this Logistics Base by category type.

Table 2.3.a **Maximum Potential Amphibious Vehicles/Component Workload**

Amphibious Vehicles / Components	* Units Throughput						
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Hull/Frame, and Installed Systems	404	420	393	386	354	354	354
Engines	18	26	24	23	22	22	22
Armament	3						
Electronic/Comm Equipment	30	5	5	5	5	5	5
Support Equipment							
Components/ Accessories	609	872	825	827	759	759	759
Other (Specify) **	42	31	29	29	26	26	26
Total	1,106	1,354	1,276	1,270	1,166	1,166	1,166

* **Includes Amphibious Workload for Marine Corps assets loaned to and funded by the Army, in FYs 92/23, to return to Condition Code "A".**

** **Includes miscellaneous items such as, Enhanced Applique Armor Kits (EAAK), Clutches, Sprockets, and access covers.**

Table 2.3.b **Maximum Potential Amphibious Vehicles/Component Workload**

Amphibious Vehicles / Components	* DLMHs (000s)						
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Hull/Frame, and Installed Systems	271.0	268.2	255.7	246.2	226.0	226.0	226.0
Engines	3.2	5.9	5.5	5.4	4.9	4.9	4.9
Armament	.4	.3	.2	.2	.2	.2	.2
Electronic/Comm Equipment	1.2	.6	.6	.6	.6	.6	.5
Support Equipment							
Components/ Accessories	18.4	62.8	59.2	58.5	53.7	53.7	53.7
Other (Specify) **	11.2	7.4	6.9	6.8	6.2	6.2	6.2
Total	305.4	345.2	328.1	317.7	291.6	291.6	291.6

* **Includes Amphibious Workload for Marine Corps assets loaned to and funded by the Army, in FYs 92/23, to return to Condition Code "A".**

** **Includes miscellaneous items such as, Enhanced Applique Armor Kits (EAAK), Clutches, Sprockets, and access covers.**

2. Amphibians, continued

2.4 Provide details of your calculations including assumptions on additional space utilized, major equipment required, production rates, and constraints that limit increased amphibious vehicles/component workload at this Logistics Base.

The total capacity of this Maintenance Center is determined from shop layouts which will accommodate a wide range of ground combat, combat support, and combat service support equipment. This concept allows for interchangeable or concurrent work on amphibious, combat, and tactical vehicles and construction, general purpose, and other end items equipment. Our Electronics and Communications Section and Ordnance, Weapons, and Munitions Section, although more specialized, are manned and equipped to work a broad range of specific commodity area items. However, the personnel skills within the Electronics and Communications Section spill over into our Automatic Test Support Branch and Metrology (Calibration) Branch, thereby making common a multi-commodity workload mix.

Our maximum potential capacity is based on shop layouts of work positions from which personnel can be most efficiently employed to perform simultaneous work on the greatest number of multi-commodity items. The calculations used to determine maximum potential capacity are as follows:

- Total Capacity of the Maintenance Center is determined by the number of work positions on shop layouts:
  -- Total Capacity = number of work positions x 1615 x .95 (DLMH)
  (Computations from DOD draft capacity handbook (DOD 4151.15-H))

- Total Capacity of a Commodity-Area is a fraction of the total capacity of the Maintenance Center.
  -- Capacity (by commodity) = commodity workload divided by total workload x total capacity

- Capacity Within a Commodity Area is determined from the number of elemental areas within a commodity area (engines, transmissions, etc.), based on the composition of the workload.
  -- Capacity (by element) = elemental workload divided by total commodity workload x capacity (of commodity area)

- Capacity by Units of Production is determined by multiplying the ratio of the total capacity of the commodity area and the total workload within the commodity area by the total number of scheduled units.
  -- Capacity (by units) = total commodity area capacity divided by total commodity area workload x total number of scheduled units

The following assumptions are made in determining maximum potential capacity.

- Projected workload will materialize as planned
- Budgeted and planned for (including MILCON) infrastructure and Industrial Plant Equipment improvements will be realized
- Production rates will remain stable
- No known or projected limitations will degrade our existing capacity.

2.5 Given an environment unconstrained by funds or manning, what Industrial Plant Equipment (IPE) would you change (add, delete, or modify) to increase your Logistics Base's capability to perform amphibious vehicle workload? What other investments in the industrial infrastructure would you make to increase your amphibious vehicle workload capabilities? Describe quantitatively how the changes above would increase your Maintenance Center's capabilities. What are the associated costs? What would be the payback period and return on investment?

2. Amphibians, continued

The Maintenance Center's capability can be increased by 100 percent with minimal expense with the addition of a second eight-hour shift. With no limits on funding or manning, the industrial infrastructure aboard MCLB Albany could be enhanced to unlimited capacity.

Because we are a Multi-Commodity Maintenance Center, the required infrastructure improvements will similarly benefit the amphibious, combat, and tactical vehicle commodity areas; construction and general purpose equipment commodity areas; ordnance, weapons, and munitions commodity area; and the other end items commodity area.

What Industrial Plant Equipment would you change (add, delete, or modify) to increase capability?

The following Industrial Plant Equipment is being procured to improve our existing industrial capabilities and throughput:

- Crankshaft Grinder (Computer Numeric Controlled (CNC) Machine)
- CNC Metal Brake Machine (Qty 2)
- Computerized Drilling and Circuit Board Unit
- Parts Retrieval Systems (Qty 4)

What other investments in the industrial infrastructure would you make to increase your amphibious vehicle workload capabilities?

The following infrastructure projects are either ongoing, budgeted, or planned for in order to maintain/improve our existing industrial capabilities and throughput:

- Convert five existing acres to concrete hardstand	Planned
- Construction of equipment drain rack	Budgeted
- Replacement of the vehicle undercoating rack	Budgeted
- Improved engine dynamometer facility	MILCON, under construction
- Construction of a new, improved cleaning and coating facility	MILCON, under construction
- Construction of two commercial, stand-alone paint booths	Planned
- Enhancement of Intergraph (CAD/CAM) system to achieve compatibility with Flexible Computer Integrated Manufacturing (FCIM)	Ongoing
- Enhance existing anodizing system for small arms commodities	Budgeted

Describe quantitatively how the changes above would increase your Maintenance Center's capabilities.

- The concrete hardstand improvement described above will increase the equipment staging area by 20 percent.

- The Computer Numeric Controlled Crankshaft grinder and metal brake machine will provide for increased production ranging from 30-50 percent depending upon the commodity being processed.

- Replacement of the drain rack and undercoating facilities will enhance the capability to drain and/or undercoat both wheeled and tracked vehicles year-round. In addition, environmental problems with draining vehicles will be completely eliminated.

- The cleaning and coating facility will provide steam cleaning and abrasive blasting of wheeled and tracked vehicles and component parts in an enclosed environment. The facility will replace existing outdoor steam cleaning and abrasive blasting areas which produced airborne contaminants that affected surrounding shops and personnel.

2. Amphibians, continued

- The engine dynamometer facility will provide six each, state-of-the-art test cells with electronic test consoles to provide more efficient IROAN diagnostic testing of engines with horsepower ranges from 250 to 1500. The dynamometer and engine cooling water system is close-looped, reducing water usage and industrial waste treatment and costs.

- The construction of commercial paint booths will make available approximately 30,000 square feet of existing enclosed craneway for the repair/rebuild of engineer equipment and other commodity items.

- The installation of flexible integrated computer manufacturing hardware and software will enhance the integration capabilities of going from design to fabricated parts produced by welding, flame-o-graph, punching, machining, and forming by computer ties between the designer and personnel and machines creating the parts. Significant savings will be realized in fabrication of parts due to reduction of several design and programming steps presently required for the start of design to actual part completion.

- An enhanced anodizing system will increase production capability and enhance the quality of small arms items. Anodizing increases the life cycle of small arms by preventing corrosion and also provides a non-glare surface.

What are the associated costs?

- Costs for the budgeted and planned infrastructure improvements are estimated to be $2.88M.

- The Industrial Plant Equipment identified above is being procured with FY-94 funds and is estimated to be $810K.

What would be the payback period and return on investment?

The payback period for both industrial plant equipment and infrastructure improvements is 14.0 years. Return on investment is 19.67 percent. The payback period and return on investment are based on information from the following sources:

Cost Estimating, Second Edition; Rodney D. Stewart, John Wiley and Sons, 1991

Industrial Engineering Methods and Controls; Donald R. Herzog, Restin Publishing Company, INC., 1985

2.6 Are there any environmental, legal, or otherwise limiting factors (encroachment, pollutant discharge, etc.) that inhibit further development of amphibious vehicle workload at this Logistics Base?

MCLB Albany enjoys unique status within DOD as an environmentally compliant facility. Albany is an attainment area for air pollutants. The Base possesses a facility-wide permit for all air emissions covering all current operations. We are presently able to operate within the limits of this permit and could go to 24 hour a day, seven day a week operation without violating air permit terms.

In addition, we have begun the process to identify all stationary sources which will require permitting under the Clean Air Act Amendments of 1990 and have met with the State of Georgia concerning this permitting process.

A contractor has completed a study identifying our air sources and the emissions from those sources, and the state has tentatively accepted that study as an application for new permits. This process could be immediately expanded to include increased operations doubling or tripling our capacity.

2. Amphibians, continued

We have completed construction of improvements to our Industrial Waste Treatment Plant which greatly increase the capacity of that fully permitted facility. Operations could be conducted on a 24 hour day, 365 day a year basis within the current capacity of that plant. That secondary treatment facility meets all current and proposed regulations of which this base is aware. The effluent discharge from that facility flows to the Albany municipally owned treatment works which has ample capacity to accept increased flow.

The Base is in the unique position of possessing a storm water permit at the present time. MCLB Albany is able to increase operations while remaining within the limits of current permits. The Clean Water Act would propose no limit on our expanding operations.

MCLB Albany is in an excellent position regarding hazardous waste. The Base has newly constructed generator 90 day storage facilities which are now in operation. In addition, a collocated Defense Reutilization and Marketing Office (DRMO) accepts long term storage of hazardous waste. DRMO's Treatment, Storage, and Disposal Facility (TSDF) is fully permitted. We have capacity within our generator storage system to accept increased hazardous waste associated with increased operations tempo.

Waste minimization projects currently underway will additionally operate to reduce current hazardous waste generation levels. These two factors, coupled with the capabilities of the collocated DRMO TSDF make it feasible for MCLB Albany to accept increased workload.

The Base enjoys excellent relationships with the Georgia Department of Natural Resources, Region IV of the Environmental Protection Agency, and the Dougherty County Clean Commission. Through the value of these established relationships, we are able to readily deal with the issues that could arise with an increased operations pace.

MCLB Albany further benefits from its fine community relations when considering and dealing with encroachment issues. There are currently no encroachment problems. An increased operations tempo would not raise other issues of encroachments.

There are ample water supplies in Georgia, no airport or airway is located prohibitively near the Base, no road development issues are under consideration, and no housing developments interfere with our operations. In fact, Dougherty County is actively working to improve access to the Base and to assure that there are no conflicting uses which interfere with our mission.

MCLB Albany has removed all PCB containing transformers, capacitors, and switches from the base. In the process of this removal, a new electrical distribution system was essentially installed. The existing system could now be considered as being only two to three years old. This new electrical distribution system is fully capable of handling the requirements which may be imposed as a result of increased operations.

MCLB Albany has removed all regulated underground storage tanks which were in a noncompliance status. The identification, location, testing, and removal of regulated tanks places MCLB Albany in an excellent position to increase operations.

Mission Area

3. Combat Vehicles

3.1 Given the current configuration and operation of the Logistics Base, provide the Combat Vehicles/Component production that was executed in and is programmed for the Fiscal Years (FYs) requested in both number of units throughput (both PEIs and components) (Tables 3.1.a and 3.1.b) and in Direct Labor Man Hours (DLMHs) (Tables 3.1.c and 3.1.d).

Table 3.1.a: **Historic/Projected Combat Vehicles/Component Workload**

Vehicle Component	* Units Throughput							
	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Hull/Body, Frame, and Installed Systems	96	108	96	75	134	186	105	22
Engine	19	21	19	15	26	28	5	5
Vehicle Components and Accessories	413	466	415	326	639	547	174	34
Electronic and Communication Equip	1	1	1	1	2	12	1	
Armament	21	24	22	17	35	56	17	
Support Equipment	11	12	11	9	10	4	20	8
Other (Specify) **	1,368	1,547	1,377	1,080		54	16	2,232
Total	1,929	2,179	1,941	1,523	846	887	338	2,301

* **Units throughput includes work performed for the Army.**
** **Includes miscellaneous items such as, mounting brackets, cell assemblies, and torsion bars.**

Table 3.1.b: **Historic/Projected Combat Vehicles/Component Workload**

Vehicle Component	* Units Throughput							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Hull/Body, Frame, and Installed Systems	78	78	57	57	57	57	57	57
Engine	16	16	12	12	12	12	12	12
Vehicle Components and Accessories	337	337	203	203	203	203	203	203
Electronic and Communication Equip	1	1						
Armament	18	18						
Support Equipment	9	9	6	6	6	6	6	6
Other (Specify) **	1,116	1,116	1,082	1,082	1,082	1,082	1,082	1,082
Total	1,575	1,575	1,360	1,360	1,360	1,360	1,360	1,360

* **Units throughput includes work performed for the Army.**
** **Includes miscellaneous items such as, mounting brackets, cell assemblies, and torsion bars.**

3. **Combat Vehicles, continued**

Table 3.1.c: **Historic/Projected Combat Vehicles/Component Workload**

Vehicle Component	* DLMHs (000s)							
	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Hull/Body, Frame, and Installed Systems	49.4	51.3	51.4	51.6	93.1	43.7	37.9	35.7
Engine	5.0	5.2	5.2	5.2	9.3	12.5	1.3	3.7
Vehicle Components and Accessories	5.9	6.2	6.2	6.2	8.3	6.3	2.0	7.2
Electronic and Communication Equip						.1		
Armament	.3	.3	.3	.3	.7	.9	.6	
Support Equipment	4.4	4.6	4.6	4.6	1.7	2.1	19.2	9.8
Other (Specify) **	.6	.6	.6	.6	1.1	6.9	4.7	.4
Total	65.6	68.2	68.3	68.5	114.2	72.5	65.7	56.8

* **DLMHs include work performed for the Army.**
** **Includes miscellaneous items such as, mounting brackets, cell assemblies, and torsion bars.**

Table 3.1.d: **Historic/Projected Combat Vehicles/Component Workload**

Vehicle Component	* DLMHs (000s)							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Hull/Body, Frame, and Installed Systems	82.2	79.0	38.1	38.1	38.1	38.1	38.1	38.1
Engine	8.3	8.0	5.1	5.1	5.1	5.1	5.1	5.1
Vehicle Components and Accessories	9.9	9.5	8.1	8.1	8.1	8.7	8.7	8.7
Electronic and Communication Equip								
Armament	.5	.4						
Support Equipment	7.3	7.0	1.3	1.3	1.3	1.3	1.3	1.3
Other (Specify) **	1.0	.9	1.9	1.9	1.9	1.9	1.9	1.9
Total	109.2	104.8	54.5	54.5	54.5	55.1	55.1	55.1

* **Units throughput includes work performed for the Army.**
** **Includes miscellaneous items such as, mounting brackets, cell assemblies, and torsion bars.**

3. Combat Vehicles, continued

3.2 Given the current configuration and operation of the Logistics Base, provide the Core portion of the combat vehicle production that was executed in and is programmed for the FY requested in units throughput and in DLMHs.

Table 3.2.a: **Historic/Projected Combat Vehicles/Component Core Workload**

Vehicle Component	* Units Throughput							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Hull/Body, Frame, and Installed Systems	12	12	16	16	16	28	28	28
Engine	6	6	32	33	32	33	33	33
Vehicle Components and Accessories	79	79	70	70	70	70	70	70
Electronic and Communication Equip	1							
Armament	7	7						
Support Equipment	1	1						
Other (Specify) **	34							
Total	140	105	118	119	118	131	131	131

* **Units throughput includes work performed for the Army.**
** **Includes miscellaneous items such as, mounting brackets, cell assemblies, and torsion bars.**

Table 3.2.b: **Historic/Projected Combat Vehicles/Component Core Workload**

Vehicle Component	* DLMHs (000s)							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Hull/Body, Frame, and Installed Systems	28.7	28.7	37.3	37.3	37.3	37.3	37.3	37.3
Engine	3.3	3.6	10.4	10.4	10.4	10.4	10.4	10.4
Vehicle Components and Accessories	.8	.8	1.9	1.9	1.9	1.9	1.9	1.9
Electronic and Communication Equip								
Armament								
Support Equipment	2.4	2.6						
Other (Specify) **								
Total	35.2	35.7	49.6	49.6	49.6	49.6	49.6	49.6

* **DLMHs include work performed for the Army.**
** **Includes miscellaneous items such as, mounting brackets, cell assemblies, and torsion bars.**

3. Combat Vehicles, continued

3.3 Assuming (a) the current projected total 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 this Logistics Base could expand combat vehicle operations based on the current and future planned workload mixes? Please provide your response in the absolute maximum number of combat vehicles/components (both PEIs and components) and DLMHs that could be processed at this Logistics Base by category type.

Table 3.3.a **Maximum Potential Combat Vehicles/Component Workload**

Vehicle Component	* Units Throughput						
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Hull/Body, Frame, and Installed Systems	73	52	49	48	44	44	44
Engine	15	11	10	10	9	9	9
Vehicle Components and Accessories	315	185	173	170	156	156	156
Electronic and Communication Equip	1						
Armament	17						
Support Equipment	8	5	5	5	5	5	5
Other (Specify) **	1,044	988	924	907	833	833	833
Total	1,473	1,241	1,161	1,140	1,047	1,047	1,047

* **Units throughput includes work performed for the Army.**
** **Includes miscellaneous items such as, mounting brackets, cell assemblies, and torsion bars.**

Table 3.3.b **Maximum Potential Combat Vehicles/Component Workload**

Vehicle Component	* DLMHs (000s)						
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Hull/Body, Frame, and Installed Systems	73.9	34.8	32.5	31.9	29.3	29.3	29.3
Engine	7.5	4.7	4.4	4.3	3.9	3.9	3.9
Vehicle Components and Accessories	8.9	7.4	6.9	6.8	6.7	6.7	6.7
Electronic and Communication Equip							
Armament	.4						
Support Equipment	6.5	1.2	1.1	1.1	1.0	1.0	1.0
Other (Specify) **	.8	1.7	1.6	1.6	1.5	1.5	1.5
Total	98.0	49.8	46.5	45.7	42.4	42.4	42.4

* **DLMHs include work performed for the Army.**
** **Includes miscellaneous items such as, mounting brackets, cell assemblies, and torsion bars.**

3. Combat Vehicles, continued

3.4 Provide details of your calculations including assumptions on additional space utilized, major equipment required, production rates, and constraints that limit increased combat vehicles/component workload at this Logistics Base.

The total capacity of this Maintenance Center is determined from shop layouts which will accommodate a wide range of ground combat, combat support, and combat service support equipment. This concept allows for interchangeable or concurrent work on amphibious, combat, and tactical vehicles and construction, general purpose, and other end items equipment. Our Electronics and Communications Section and Ordnance, Weapons, and Munitions Section, although more specialized, are manned and equipped to work a broad range of specific commodity area items. However, the personnel skills within the Electronics and Communications Section spill over into our Automatic Test Support Branch and Metrology (Calibration) Branch, thereby making common a multi-commodity workload mix.

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- Projected workload will materialize as planned
- Budgeted and planned for (including MILCON) infrastructure and Industrial Plant Equipment improvements will be realized
- Production rates will remain stable
- No known or projected limitations will degrade our existing capacity.

3. Combat Vehicles, continued

3.5 Given an environment unconstrained by funds or manning, what Industrial Plant Equipment (IPE) would you change (add, delete, or modify) to increase your Logistics Base's capability to perform combat vehicle workload? What other investments in the industrial infrastructure would you make to increase your combat vehicle workload capabilities? Describe quantitatively how the changes above would increase your Maintenance Center's capabilities. What are the associated costs? What would be the payback period and return on investment?

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- Computerized Drilling and Circuit Board Unit
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- Replacement of the vehicle undercoating rack	Budgeted
- Improved engine dynamometer facility	MILCON, under construction
- Construction of a new, improved cleaning and coating facility	MILCON, under construction
- Construction of two commercial, stand-alone paint booths	Planned
- Enhancement of Intergraph (CAD/CAM) system to achieve compatibility with Flexible Computer Integrated Manufacturing (FCIM)	Ongoing
- Enhance existing anodizing system for small arms commodities	Budgeted

Describe quantitatively how the changes above would increase your Maintenance Center's capabilities.

- The concrete hardstand improvement described above will increase the equipment staging area by 20 percent.

- The Computer Numeric Controlled Crankshaft grinder and metal brake machine will provide for increased production ranging from 30-50 percent depending upon the commodity being processed.

- Replacement of the drain rack and undercoating facilities will enhance the capability to drain and/or undercoat both wheeled and tracked vehicles year-round. In addition, environmental problems with draining vehicles will be completely eliminated.

3. **Combat Vehicles, continued**

- The cleaning and coating facility will provide steam cleaning and abrasive blasting of wheeled and tracked vehicles and component parts in an enclosed environment. The facility will replace existing outdoor steam cleaning and abrasive blasting areas which produced airborne contaminants that affected surrounding shops and personnel.

- The engine dynamometer facility will provide six each, state-of-the-art test cells with electronic test consoles to provide more efficient IROAN diagnostic testing of engines with horsepower ranges from 250 to 1500. The dynamometer and engine cooling water system is close-looped, reducing water usage and industrial waste treatment and costs.

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What are the associated costs?

- Costs for the budgeted and planned infrastructure improvements are estimated to be $2.88M.

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3. **Combat Vehicles, continued**

A contractor has completed a study identifying our air sources and the emissions from those sources, and the state has tentatively accepted that study as an application for new permits. This process could be immediately expanded to include increased operations doubling or tripling our capacity.

We have completed construction of improvements to our Industrial Waste Treatment Plant which greatly increase the capacity of that fully permitted facility. Operations could be conducted on a 24 hour day, 365 day a year basis within the current capacity of that plant. That secondary treatment facility meets all current and proposed regulations of which this base is aware. The effluent discharge from that facility flows to the Albany municipally owned treatment works which has ample capacity to accept increased flow.

The Base is in the unique position of possessing a storm water permit at the present time. MCLB Albany is able to increase operations while remaining within the limits of current permits. The Clean Water Act would propose no limit on our expanding operations.

MCLB Albany is in an excellent position regarding hazardous waste. The Base has newly constructed generator 90 day storage facilities which are now in operation. In addition, a collocated DRMO accepts long term storage of hazardous waste. DRMO's TSDF is fully permitted. We have capacity within our generator storage system to accept increased hazardous waste associated with increased operations tempo.

Waste minimization projects currently underway will additionally operate to reduce current hazardous waste generation levels. These two factors, coupled with the capabilities of the collocated DRMO TSDF make it feasible for MCLB Albany to accept increased workload.

The Base enjoys excellent relationships with the Georgia Department of Natural Resources, Region IV of the Environmental Protection Agency, and the Dougherty County Clean Commission. Through the value of these established relationships, we are able to readily deal with the issues that could arise with an increased operations pace.

MCLB Albany further benefits from its fine community relations when considering and dealing with encroachment issues. There are currently no encroachment problems. An increased operations tempo would not raise other issues of encroachments.

There are ample water supplies in Georgia, no airport or airway is located prohibitively near the Base, no road development issues are under consideration, and no housing developments interfere with our operations. In fact, Dougherty County is actively working to improve access to the Base and to assure that there are no conflicting uses which interfere with our mission.

MCLB Albany has removed all PCB containing transformers, capacitors, and switches from the Base. In the process of this removal, a new electrical distribution system was essentially installed. The existing system could now be considered as being only two to three years old. This new electrical distribution system is fully capable of handling the requirements which may be imposed as a result of increased operations.

MCLB Albany has removed all regulated underground storage tanks which were in a noncompliance status. The identification, location, testing, and removal of regulated tanks places MCLB Albany in an excellent position to increase operations.

Mission Area

4. Automotive Equipment (Less Tactical Vehicles) N/A

4.1 Given the current configuration and operation of the Logistics Base, provide the Automotive Equipment/Component production, less tactical vehicles, that was executed in and is programmed for the Fiscal Years (FYs) requested in both number of units throughput (include PEIs and components) (Tables 4.1.a and 4.1.b) and in Direct Labor Man Hours (DLMHs) (Tables 4.1.c and 4.1.d).

Table 4.1.a: **Historic/Projected Automotive Equipment/Component Workload**

Automotive Equipment Component	Units Throughput							
	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Hull/Body, Frame, and Installed Systems								
Engine								
Vehicle Components and Accessories								
Electronic and Communication Equip								
Armament								
Support Equipment								
Other (Specify)								
Total								

Table 4.1.b: **Historic/Projected Automotive Equipment/Component Workload**

Automotive Equipment Component	Units Throughput							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Hull/Body, Frame, and Installed Systems								
Engine								
Vehicle Components and Accessories								
Electronic and Communication Equip								
Armament								
Support Equipment								
Other (Specify)								
Total								

4. Automotive Equipment, continued

Table 4.1.c: **Historic/Projected Automotive Equipment/Component Workload**

Automotive Equipment Component	DLMHs (000s)							
	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Hull/Body, Frame, and Installed Systems								
Engine								
Vehicle Components and Accessories								
Electronic and Communication Equip								
Armament								
Support Equipment								
Other (Specify)								
Total								

Table 4.1.d: **Historic/Projected Automotive Equipment/Component Workload**

Automotive Equipment Component	DLMHs (000s)							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Hull/Body, Frame, and Installed Systems								
Engine								
Vehicle Components and Accessories								
Electronic and Communication Equip								
Armament								
Support Equipment								
Other (Specify)								
Total								

4. Automotive Equipment, continued

4.2 Given the current configuration and operation of the Logistics Base, provide the Core portion of the automotive equipment less tactical vehicles production that was executed in and programmed for the FY requested in units throughput and in DLMHs.

Table 4.2.a: **Historic/Projected Automotive Equipment/Component Core Workload**

Automotive Equipment Component	Units Throughput							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Hull/Body, Frame, and Installed Systems								
Engine								
Vehicle Components and Accessories								
Electronic and Communication Equip								
Armament								
Support Equipment								
Other (Specify)								
Total								

Table 4.2.b: **Historic/Projected Automotive Equipment/Component Core Workload**

Automotive Equipment Component	DLMHs (000s)							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Hull/Body, Frame, and Installed Systems								
Engine								
Vehicle Components and Accessories								
Electronic and Communication Equip								
Armament								
Support Equipment								
Other (Specify)								
Total								

4. Automotive Equipment, continued

4.3 Assuming (a) the current projected total 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 this Logistics Base could expand automotive equipment operations, less tactical vehicles, based on the current and future planned workload mixes? Please provide your response in the absolute maximum number of automotive equipment/components (both PEIs and components) and DLMHs that could be processed at this Logistics Base by category type.

Table 4.3.a **Maximum Potential Automotive Equipment/Component Workload**

Automotive Equipment Component	Units Throughput						
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Hull/Body, Frame, and Installed Systems							
Engine							
Vehicle Components and Accessories							
Electronic and Communication Equip							
Armament							
Support Equipment							
Other (Specify)							
Total							

Table 4.3.b **Maximum Potential Automotive Equipment/Component Workload**

Automotive Equipment Component	DLMHs (000s)						
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Hull/Body, Frame, and Installed Systems							
Engine							
Vehicle Components and Accessories							
Electronic and Communication Equip							
Armament							
Support Equipment							
Other							
Total							

4. Automotive Equipment, continued

4.4 Provide details of your calculations including assumptions on additional space utilized, major equipment required, production rates, and constraints that limit increased automotive equipment/component workload at this Logistics Base.

No automotive requirements.

4.5 Given an environment unconstrained by funds or manning, what Industrial Plant Equipment (IPE) would you change (add, delete, or modify) to increase your Logistics Base's capability to perform automotive equipment workload? What other investments in the industrial infrastructure would you make to increase your automotive equipment workload capabilities? Describe quantitatively how the charges above would increase your Maintenance Center's capabilities. What are the associated costs? What would be the payback period and return on investment?

No automotive requirements.

4.6 Are there any environmental, legal, or otherwise limiting factors (encroachment, pollutant discharge, etc.) that inhibit further development of automotive equipment workload at this Logistics Base?

No automotive requirements.

Mission Area

5. Tactical Vehicles

5.1 Given the current configuration and operation of the Logistics Base, provide the Tactical Vehicles/Component production that was executed in and is programmed for the Fiscal Years (FYs) requested in both number of units throughput (both PEIs and components) (Tables 5.1.a and 5.1.b) and in Direct Labor Man Hours (DLMHs) (Tables 5.1.c and 5.1.d).

Table 5.1.a: **Historic/Projected Tactical Vehicles/Component Workload**

Tactical Vehicle / Component	* Units Throughput							
	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Hull/Body, Frame, and Installed Systems	2,853	3,225	2,872	2,252	1,691	[illegible],303	2,006	2,963
Engine	113	128	114	89	72	169	48	112
Vehicle Components and Accessories	930	1,052	937	735	72	164	156	1,446
Electronic and Communication Equip								
Armament								
Support Equipment								
Other (Specify) **	10	12	10	8				17
Total	3,906	4,417	3,933	3,084	1,835	[illegible],636	2,210	4,538

* **Units throughput includes work performed for the Army.**
** **Includes miscellaneous items such as, dead axles (MK-48).**

Table 5.1.b: **Historic/Projected Tactical Vehicles/Component Workload**

Tactical Vehicles / Components	* Units Throughput							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Hull/Body, Frame, and Installed Systems	2,327	2,327	2,320	2,403	2,555	2,867	2,867	2,867
Engine	92	92	150	150	150	150	150	150
Vehicle Components and Accessories	759	759	795	800	800	800	800	800
Electronic and Communication Equip								
Armament								
Support Equipment								
Other (Specify) **	9	9	108	108	108	108	108	108
Total	3,187	3,187	3,373	3,461	3,613	3,925	3,925	3,925

* **Units throughput includes work performed for the Army.**
** **Includes miscellaneous items such as, dead axles (MK-48).**

5. **Tactical Vehicles, continued**

Table 5.1.c: **Historic/Projected Tactical Vehicles/Component Workload**

Tactical Vehicles / Component	* DLMHs (000s)							
	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Hull/Body, Frame, and Installed Systems	213.9	222.0	222.2	223.4	155.7	174.5	252.2	401.4
Engine	3.0	3.1	3.1	3.1	3.6	3.7	3.1	4.2
Vehicle Components and Accessories	11.3	11.7	11.7	11.8	1.9	3.0	13.9	27.5
Electronic and Communication Equip								
Armament								
Support Equipment								
Other (Specify) **	.6	.6	.6	.6		.1		1.6
Total	228.8	237.4	237.6	238.9	161.2	181.3	269.2	434.7

* **DLMHs include work performed for the Army.**
** **Includes miscellaneous items such as, dead axles (MK-48).**

Table 5.1.d: **Historic/Projected Tactical Vehicles/Component Workload**

Tactical Vehicles / Component	* DLMHs (000s)							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Hull/Body, Frame, and Installed Systems	355.4	341.7	461.4	500.0	573.6	640.3	640.3	640.3
Engine	4.9	4.7	6.5	6.5	6.5	6.5	6.5	6.5
Vehicle Components and Accessories	18.8	18.0	3.8	4.2	4.2	4.2	4.2	4.2
Electronic and Communication Equip								
Armament								
Support Equipment								
Other (Specify) **	1.0	1.0	.8	.8	.8	.8	.8	.8
Total	380.1	365.4	472.5	511.5	585.1	651.8	651.8	651.8

* **DLMHs include work performed for the Army.**
** **Includes miscellaneous items such as, dead axles (MK-48).**

5. Tactical Vehicles, continued

5.2 Given the current configuration and operation of the Logistics Base, provide the Core portion of the tactical vehicle production that was executed in and is programmed for the FY requested in units throughput and in DLMHs.

Table 5.2.a: **Historic/Projected Tactical Vehicles/Component Core Workload**

Tactical Vehicles / Components	* Units Throughput							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Hull/Body, Frame, and Installed Systems	771	813	654	689	642	733	733	733
Engine	22	22	126	128	126	126	126	126
Vehicle Components and Accessories	13	13	74	80	79	79	79	79
Electronic and Communication Equip								
Armament								
Support Equipment								
Other (Specify) **			101	100	100	100	100	100
Total	806	848	955	997	947	1,038	1,038	1,038

*** Units throughput includes work performed for the Army.**
**** Includes miscellaneous items such as, dead axles (MK-48).**

Table 5.2.b: **Historic/Projected Tactical Vehicles/Component Core Workload**

Tactical Vehicles / Component	* DLMHs (000s)							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Hull/Body, Frame, and Installed Systems	328.1	328.1	334.6	358.7	330.5	322.0	322.0	322.0
Engine	1.6	1.6	8.0	8.7	7.8	7.8	7.8	7.8
Vehicle Components and Accessories	5.9	5.9	2.9	3.6	3.2	3.2	3.2	3.2
Electronic and Communication Equip								
Armament								
Support Equipment								
Other (Specify) **			.9	.9	.9	.9	.9	.9
Total	335.6	335.6	346.4	371.9	342.4	333.9	333.9	333.9

*** DLMHs include work performed for the Army.**
**** Includes miscellaneous items such as, dead axles (MK-48).**

5. Tactical Vehicles, continued

5.3 Assuming (a) the current projected total 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 this Logistics Base could expand tactical vehicle operations based on the current and future planned workload mixes? Please provide your response in the absolute maximum number of tactical vehicle/components and DLMHs that could be processed at this Logistics Base by category type.

Table 5.3.a **Maximum Potential Tactical Vehicles/Component Workload**

Tactical Vehicles / Component	* Units Throughput						
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Hull/Body, Frame, and Installed Systems	2,176	2,119	2,053	2,142	2,207	2,207	2,207
Engine	58	137	128	126	115	115	115
Vehicle Components and Accessories	710	726	683	671	616	616	616
Electronic and Communication Equip							
Armament							
Support Equipment							
Other (Specify) **	8	99	92	91	83	83	83
Total	2,952	3,081	2,956	3,030	3,021	3,021	3,021

* Units throughput includes work performed for the Army.
** Includes miscellaneous items such as, dead axles (MK-48).

Table 5.3.b **Maximum Potential Tactical Vehicles/Component Workload**

Tactical Vehicles / Component	* DLMHs (000s)						
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Hull/Body, Frame, and Installed Systems	319.6	421.6	427.2	480.9	492.9	492.9	492.9
Engine	4.4	5.9	5.5	5.4	5.0	5.0	5.0
Vehicle Components and Accessories	16.8	3.5	3.6	3.5	3.2	3.2	3.2
Electronic and Communication Equip							
Armament							
Support Equipment							
Other (Specify) **	.9	.7	.7	.7	.6	.6	.6
Total	341.7	431.7	437.0	490.5	501.7	501.7	501.7

* DLMHs include work performed for the Army.
** Includes miscellaneous items such as, dead axles (MK-48).

5. Tactical Vehicles, continued

5.4 Provide details of your calculations including assumptions on additional space utilized, major equipment required, production rates, and constraints that limit increased tactical vehicles/component workload at this Logistics Base.

The total capacity of this Maintenance Center is determined from shop layouts which will accommodate a wide range of ground combat, combat support, and combat service support equipment. This concept allows for interchangeable or concurrent work on amphibious, combat, and tactical vehicles and construction, general purpose, and other end items equipment. Our Electronics and Communications Section and Ordnance, Weapons, and Munitions Section, although more specialized, are manned and equipped to work a broad range of specific commodity area items. However, the personnel skills within the Electronics and Communications Section spill over into our Automatic Test Support Branch and Metrology (Calibration) Branch, thereby making common a multi-commodity workload mix.

Our maximum potential capacity is based on shop layouts of work positions from which personnel can be most efficiently employed to perform simultaneous work on the greatest number of multi-commodity items. The calculations used to determine maximum potential capacity are as follows:

- Total Capacity of the Maintenance Center is determined by the number of work positions on shop layouts:
  -- Total Capacity = number of work positions x 1615 x .95 (DLMH)
  (Computations from DOD draft capacity handbook (DOD 4151.15-H))

- Total Capacity of a Commodity-Area is a fraction of the total capacity of the Maintenance Center.
  -- Capacity (by commodity) = commodity workload divided by total workload x total capacity

- Capacity Within a Commodity Area is determined from the number of elemental areas within a commodity area (engines, transmissions, etc.), based on the composition of the workload.
  -- Capacity (by element) = elemental workload divided by total commodity workload x capacity (of commodity area)

- Capacity by Units of Production is determined by multiplying the ratio of the total capacity of the commodity area and the total workload within the commodity area by the total number of scheduled units.
  -- Capacity (by units) = total commodity area capacity divided by total commodity area workload x total number of scheduled units

The following assumptions are made in determining maximum potential capacity.

- Projected workload will materialize as planned
- Budgeted and planned for (including MILCON) infrastructure and Industrial Plant Equipment improvements will be realized
- Production rates will remain stable
- No known or projected limitations will degrade our existing capacity.

5. Tactical Vehicles, continued

5.5 Given an environment unconstrained by funds or manning, what Industrial Plant Equipment (IPE) would you change (add, delete, or modify) to increase your Logistics Base's capability to perform tactical vehicle workload? What other investments in the industrial infrastructure would you make to increase your tactical vehicle workload capabilities? Describe quantitatively how the changes above would increase your Maintenance Center's capabilities. What are the associated costs? What would be the payback period and return on investment?

The Maintenance Center's capability can be increased by 100 percent with minimal expense with the addition of a second eight-hour shift. With no limits on funding or manning, the industrial infrastructure aboard MCLB Albany could be enhanced to unlimited capacity.

Because we are a Multi-Commodity Maintenance Center, the required infrastructure improvements will similarly benefit the amphibious, combat, and tactical vehicle commodity areas; construction and general purpose equipment commodity areas; ordnance, weapons, and munitions commodity area; and the other end items commodity area.

What Industrial Plant Equipment would you change (add, delete, or modify) to increase capability?

The following Industrial Plant Equipment is being procured to improve our existing industrial capabilities and throughput:

- Crankshaft Grinder (Computer Numeric Controlled (CNC) Machine)
- CNC Metal Brake Machine (Qty 2)
- Computerized Drilling and Circuit Board Unit
- Parts Retrieval Systems (Qty 4)

What other investments in the industrial infrastructure would you make to increase your tactical vehicle workload capabilities?

The following infrastructure projects are either ongoing, budgeted, or planned for in order to maintain/improve our existing industrial capabilities and throughput:

- Convert five existing acres to concrete hardstand	Planned
- Construction of equipment drain rack	Budgeted
- Replacement of the vehicle undercoating rack	Budgeted
- Improved engine dynamometer facility	MILCON, under construction
- Construction of a new, improved cleaning and coating facility	MILCON, under construction
- Construction of two commercial, stand-alone paint booths	Planned
- Enhancement of Intergraph (CAD/CAM) system to achieve compatibility with Flexible Computer Integrated Manufacturing (FCIM)	Ongoing
- Enhance existing anodizing system for small arms commodities	Budgeted

Describe quantitatively how the changes above would increase your Maintenance Center's capabilities.

- The concrete hardstand improvement described above will increase the equipment staging area by 20 percent.

- The computer numeric controlled crankshaft grinder and metal brake machine will provide for increased production ranging from 30-50 percent depending upon the commodity being processed.

5. Tactical Vehicles, continued

- Replacement of the drain rack and undercoating facilities will enhance the capability to drain and/or undercoat both wheeled and tracked vehicles year-round. In addition, environmental problems with draining vehicles will be completely eliminated.

- The cleaning and coating facility will provide steam cleaning and abrasive blasting of wheeled and tracked vehicles and component parts in an enclosed environment. The facility will replace existing outdoor steam cleaning and abrasive blasting areas which produced airborne contaminants that affected surrounding shops and personnel.

- The engine dynamometer facility will provide six each, state-of-the-art test cells with electronic test consoles to provide more efficient IROAN diagnostic testing of engines with horsepower ranges from 250 to 1,500. The dynamometer and engine cooling water system is close-looped, reducing water usage and industrial waste treatment and costs.

- The construction of commercial paint booths will make available approximately 30,000 square feet of existing enclosed craneway for the repair/rebuild of engineer equipment and other commodity items.

- The installation of flexible integrated computer manufacturing hardware and software will enhance the integration capabilities of going from design to fabricated parts produced by welding, flame-o-graph, punching, machining, and forming by computer ties between the designer and personnel and machines creating the parts. Significant savings will be realized in fabrication of parts due to reduction of several design and programming steps presently required for the start of design to actual part completion.

- An enhanced anodizing system will increase production capability and enhance the quality of small arms items. Anodizing increases the life cycle of small arms by preventing corrosion and also provides a non-glare surface.

What are the associated costs?

- Costs for the budgeted and planned infrastructure improvements are estimated to be $2.88M.

- The Industrial Plant Equipment identified above is being procured with FY-94 funds and is estimated to be $810K.

What would be the payback period and return on investment?

The payback period for both industrial plant equipment and infrastructure improvements is 14.0 years. Return on investment is 19.67 percent. The payback period and return on investment are based on information from the following sources:

<u>Cost Estimating, Second Edition</u>; Rodney D. Stewart, John Wiley and Sons, 1991

<u>Industrial Engineering Methods and Controls</u>; Donald R. Herzog, Restin Publishing Company, INC., 1985

5.6 Are there any environmental, legal, or otherwise limiting factors (encroachment, pollutant discharge, etc.) that inhibit further development of tactical vehicle workload at this Logistics Base?

MCLB Albany enjoys unique status within DOD as an environmentally compliant facility. Albany is an attainment area for air pollutants. The Base possesses a facility-wide permit for all air emissions covering all current operations. We are presently able to operate within the limits of this permit and could go to 24 hour a day, seven day a week operation without violating air permit terms.

5. Tactical Vehicles, continued

In addition, we have begun the process to identify all stationary sources which will require permitting under the Clean Air Act Amendments of 1990 and have met with the State of Georgia concerning this permitting process.

A contractor has completed a study identifying our air sources and the emissions from those sources, and the state has tentatively accepted that study as an application for new permits. This process could be immediately expanded to include increased perations doubling or tripling our capacity.

We have completed construction of improvements to our Industrial Waste Treatment Plant which greatly increase the capacity of that fully permitted facility. Operations could be conducted on a 24 hour day, 365 day a year basis within the current capacity of that plant. That secondary treatment facility meets all current and proposed regulations of which this Base is aware. The effluent discharge from that facility flows to the Albany municipally owned treatment works which has ample capacity to accept increased flow.

The Base is in the unique position of possessing a storm water permit at the present time. MCLB Albany is able to increase operations while remaining within the limits of current permits. The Clean Water Act would propose no limit on our expanding operations.

MCLB Albany is in an excellent position regarding hazardous waste. The Base has newly constructed generator 90 day storage facilities which are now in operation. In addition, a collocated DRMO accepts long term storage of hazardous waste. DRMO's TSDF is fully permitted. We have capacity within our generator storage system to accept increased hazardous waste associated with increased operations tempo.

Waste minimization projects currently underway will additionally operate to reduce current hazardous waste generation levels. These two factors, coupled with the capabilities of the collocated DRMO TSDF, make it feasible for MCLB Albany to accept increased workload.

The Base enjoys excellent relationships with the Georgia Department of Natural Resources, Region IV of the Environmental Protection Agency, and the Dougherty County Clean Commission. Through the value of these established relationships, we are able to readily deal with the issues that could arise with an increased operations pace.

MCLB Albany further benefits from its fine community relations when considering and dealing with encroachment issues. There are currently no encroachment problems. An increased operations tempo would not raise other issues of encroachments.

There are ample water supplies in Georgia, no airport or airway is located prohibitively near the Base, no road development issues are under consideration, and no housing developments interfere with our operations. In fact, Dougherty County is actively working to improve access to the Base and to assure that there are no conflicting uses which interfere with our mission.

MCLB Albany has removed all PCB containing transformers, capacitors, and switches from the Base. In the process of this removal, a new electrical distribution system was essentially installed. The existing system could now be considered as being only two to three years old. This new electrical distribution system is fully capable of handling the requirements which may be imposed as a result of increased operations.

MCLB Albany has removed all regulated underground storage tanks which were in a noncompliance status. The identification, location, testing, and removal of regulated tanks places MCLB Albany in an excellent position to increase operations.

Mission Area

6. Construction Equipment

6.1 Given the current configuration and operation of the Logistics Base, provide the Construction Equipment/Component production that was executed in and is programmed for the Fiscal Years (FYs) requested in both number of units throughput (both PEIs and components) (Tables 6.1.a and 6.1.b) and in Direct Labor Man Hours (DLMHs) (Tables 6.1.c and 6.1.d).

Table 6.1.a: **Historic/Projected Construction Equipment/Component Workload**

Construction Equipment Component	* Units Throughput							
	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Hull/Body, Frame, and Installed Systems	560	633	564	442	494	518	797	420
Engine	2	3	2	2	1	6	4	3
Vehicle Components and Accessories	47	53	47	37	46	81	73	30
Other (Specify)								
Total	609	689	513	481	541	605	874	453

* **Units throughput includes work performed for the Army.**

Table 6.1.b: **Historic/Projected Construction Equipment/Component Workload**

Construction Equipment Component	* Units Throughput							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Hull/Body, Frame, and Installed Systems	457	457	357	391	391	384	384	384
Engine	2	2	23	23	23	23	23	23
Vehicle Components and Accessories	38	38	19	19	19	19	19	19
Other (Specify)								
Total	497	497	399	433	433	426	426	426

* **Units throughput includes work performed for the Army.**

6. **Construction Equipment, continued**

Table 6.1.c: **Historic/Projected Construction Equipment/Component Workload**

Construction Equipment Component	* DLMHs (000s)							
	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Hull/Body, Frame, and Installed Systems	35.5	36.8	36.9	37.1	32.7	32.1	37.9	59.8
Engine	.2	.2	.2	.2		.3	.5	.4
Vehicle Components and Accessories	.7	.7	.7	.7	.6	.1	1.2	1.2
Other (Specify)								
Total	36.4	37.7	37.8	38.0	33.3	32.5	39.6	61.4

* **Units throughput includes work performed for the Army.**

Table 6.1.d: **Historic/Projected Construction Equipment/Component Workload**

Construction Equipment Component	* DLMHs (000s)							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Hull/Body, Frame, and Installed Systems	59.0	56.7	18.8	61.7	61.7	49.0	49.0	49.0
Engine	.3	.3						
Vehicle Components and Accessories	1.2	1.1	.3	.3	.3	.3	.3	.3
Other (Specify)								
Total	60.5	58.1	19.1	62.0	62.0	49.3	49.3	49.3

* **DLMHs include work performed for the Army.**

6. **Construction Equipment, continued**

6.2 Given the current configuration and operation of the Logistics Base, provide the Core portion of the construction equipment production that was executed in and is programmed for the FY requested in units throughput and in DLMHs.

Table 6.2.a: **Historic/Projected Construction Equipment/Component Core Workload**

Construction Equipment Component	* Units Throughput							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Hull/Body, Frame, and Installed Systems	188	4,869	231	322	189	311	311	311
Engine								
Vehicle Components and Accessories								
Other (Specify)								
Total	188	4,869	231	322	189	311	311	311

* **Units throughput includes work performed for the Army.**

Table 6.2.b: **Historic/Projected Construction Equipment/Component Core Workload**

Construction Equipment Component	** DLMHs (000s)							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Hull/Body, Frame, and Installed Systems	140.0	140.0	132.0	130.6	122.9	154.7	154.7	154.7
Engine								
Vehicle Components and Accessories								
Other (Specify)								
Total	140.0	140.0	132.0	130.6	122.9	154.7	154.7	154.7

** **DLMHs include work performed for the Army.**

6. **Construction Equipment, continued**

6.3 Assuming (a) the current projected total 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 this Logistics Base could expand construction equipment operations based on the current and future planned workload mixes? Please provide your response in the absolute maximum number of construction equipment/components (both PEIs and components) and DLMHs that could be processed at this Logistics Base by category type.

Table 6.3.a **Maximum Potential Construction Equipment/Component Workload**

Construction Equipment Component	* Units Throughput						
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Hull/Body, Frame, and Installed Systems	427	326	334	328	296	296	296
Engine	2	21	20	19	18	18	18
Vehicle Components and Accessories	36	17	16	16	15	15	15
Other (Specify)							
Total	465	364	370	363	329	329	329

* **Units throughput includes work performed for the Army.**

Table 6.3.b **Maximum Potential Construction Equipment/Component Workload**

Construction Equipment Component	** DLMHs (000s)						
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Hull/Body, Frame, and Installed Systems	53.0	17.1	52.7	51.7	37.8	37.8	37.8
Engine	.3						
Vehicle Components and Accessories	1.0	.3	.3	.3	.2	.2	.2
Other (Specify)							
Total	54.3	17.4	53.0	52.0	38.0	38.0	38.0

** **DLMHs include work performed for the Army.**

6. Construction Equipment, continued

6.4 Provide details of your calculations including assumptions on additional space utilized, major equipment required, production rates, and constraints that limit increased construction equipment/component workload at this Logistics Base.

The total capacity of this Maintenance Center is determined from shop layouts which will accommodate a wide range of ground combat, combat support, and combat service support equipment. This concept allows for interchangeable or concurrent work on amphibious, combat, and tactical vehicles and construction, general purpose, and other end items equipment. Our Electronics and Communications Section and Ordnance, Weapons, and Munitions Section, although more specialized, are manned and equipped to work a broad range of specific commodity area items. However, the personnel skills within the Electronics and Communications Section spill over into our Automatic Test Support Branch and Metrology (Calibration) Branch, thereby making common a multi-commodity workload mix.

Our maximum potential capacity is based on shop layouts of work positions from which personnel can be most efficiently employed to perform simultaneous work on the greatest number of multi-commodity items. The calculations used to determine maximum potential capacity are as follows:

- Total Capacity of the Maintenance Center is determined by the number of work positions on shop layouts:
  -- Total Capacity = number of work positions x 1615 x .95 (DLMH)
  (Computations from DOD draft capacity handbook (DOD 4151.15-H))

- Total Capacity of a Commodity-Area is a fraction of the total capacity of the Maintenance Center.
  -- Capacity (by commodity) = commodity workload divided by total workload x total capacity

- Capacity Within a Commodity Area is determined from the number of elemental areas within a commodity area (engines, transmissions, etc.), based on the composition of the workload.
  -- Capacity (by element) = elemental workload divided by total commodity workload x capacity (of commodity area)

- Capacity by Units of Production is determined by multiplying the ratio of the total capacity of the commodity area and the total workload within the commodity area by the total number of scheduled units.
  -- Capacity (by units) = total commodity area capacity divided by total commodity area workload x total number of scheduled units

The following assumptions are made in determining maximum potential capacity.

- Projected workload will materialize as planned
- Budgeted and planned for (including MILCON) infrastructure and Industrial Plant Equipment improvements will be realized
- Production rates will remain stable
- No known or projected limitations will degrade our existing capacity.

6. Construction Equipment, continued

6.5 Given an environment unconstrained by funds or manning, what Industrial Plant Equipment (IPE) would you change (add, delete, or modify) to increase your Logistics Base's capability to perform construction equipment workload? What other investments in the industrial infrastructure would you make to increase your construction equipment workload capabilities? Describe quantitatively how the changes above would increase your Maintenance Center's capabilities. What are the associated costs? What would be the payback period and return on investment?

The Maintenance Center's capability can be increased by 100 percent with minimal expense with the addition of a second eight-hour shift. With no limits on funding or manning, the industrial infrastructure aboard MCLB Albany could be enhanced to unlimited capacity.

Because we are a Multi-Commodity Maintenance Center, the required infrastructure improvements will similarly benefit the amphibious, combat, and tactical vehicle commodity areas; construction and general purpose equipment commodity areas; ordnance, weapons, and munitions commodity area; and the other end items commodity area.

What Industrial Plant Equipment would you change (add, delete, or modify) to increase capability?

The following Industrial Plant Equipment is being procured to improve our existing industrial capabilities and throughput:

- Crankshaft Grinder (Computer Numeric Controlled (CNC) Machine)
- CNC Metal Brake Machine (Qty 2)
- Computerized Drilling and Circuit Board Unit
- Parts Retrieval Systems (Qty 4)

What other investments in the industrial infrastructure would you make to increase your construction equipment workload capabilities?

The following infrastructure projects are either ongoing, budgeted, or planned for in order to maintain/improve our existing industrial capabilities and throughput:

- Convert five existing acres to concrete hardstand	Planned
- Construction of equipment drain rack	Budgeted
- Replacement of the vehicle undercoating rack	Budgeted
- Improved engine dynamometer facility	MILCON, under construction
- Construction of a new, improved cleaning and coating facility	MILCON, under construction
- Construction of two commercial, stand-alone paint booths	Planned
- Enhancement of Intergraph (CAD/CAM) system to achieve compatibility with Flexible Computer Integrated Manufacturing (FCIM)	Ongoing
- Enhance existing anodizing system for small arms commodities	Budgeted

Describe quantitatively how the changes above would increase your Maintenance Center's capabilities.

- The concrete hardstand improvement described above will increase the equipment staging area by 20 percent.

- The computer numeric controlled crankshaft grinder and metal brake machine will provide for increased production ranging from 30-50 percent depending upon the commodity being processed.

6. Construction Equipment, continued

- Replacement of the drain rack and undercoating facilities will enhance the capability to drain and/or undercoat both wheeled and tracked vehicles year-round. In addition, environmental problems with draining vehicles will be completely eliminated.

- The cleaning and coating facility will provide steam cleaning and abrasive blasting of wheeled and tracked vehicles and component parts in an enclosed environment. The facility will replace existing outdoor steam cleaning and abrasive blasting areas which produced airborne contaminants that affected surrounding shops and personnel.

- The engine dynamometer facility will provide six each, state-of-the-art test cells with electronic test consoles to provide more efficient IROAN diagnostic testing of engines with horsepower ranges from 250 to 1,500. The dynamometer and engine cooling water system is close-looped, reducing water usage and industrial waste treatment and costs.

- The construction of commercial paint booths will make available approximately 30,000 square feet of existing enclosed craneway for the repair/rebuild of engineer equipment and other commodity items.

- The installation of flexible integrated computer manufacturing hardware and software will enhance the integration capabilities of going from design to fabricated parts produced by welding, flame-o-graph, punching, machining, and forming by computer ties between the designer and personnel and machines creating the parts. Significant savings will be realized in fabrication of parts due to reduction of several design and programming steps presently required for the start of design to actual part completion.

- An enhanced anodizing system will increase production capability and enhance the quality of small arms items. Anodizing increases the life cycle of small arms by preventing corrosion and also provides a non-glare surface.

What are the associated costs?

- Costs for the budgeted and planned infrastructure improvements are estimated to be $2.88M.

- The Industrial Plant Equipment identified above is being procured with FY-94 funds and is estimated to be $810K.

What would be the payback period and return on investment?

The payback period for both industrial plant equipment and infrastructure improvements is 14.0 years. Return on investment is 19.67 percent. The payback period and return on investment are based on information from the following sources:

<u>Cost Estimating, Second Edition</u>; Rodney D. Stewart, John Wiley and Sons, 1991

<u>Industrial Engineering Methods and Controls</u>; Donald R. Herzog, Restin Publishing Company, INC., 1985

6.6 Are there any environmental, legal, or otherwise limiting factors (encroachment, pollutant discharge, etc.) that inhibit further development of construction equipment workload at this Logistics Base?

MCLB Albany enjoys unique status within DOD as an environmentally compliant facility. Albany is an attainment area for air pollutants. The Base possesses a facility-wide permit for all air emissions covering all current operations. We are presently able to operate within the limits of this permit and could go to 24 hour a day, seven day a week operation without violating air permit terms.

6. Construction Equipment, continued

In addition, we have begun the process to identify all stationary sources which will require permitting under the Clean Air Act Amendments of 1990 and have met with the State of Georgia concerning this permitting process.

A contractor has completed a study identifying our air sources and the emissions from those sources, and the state has tentatively accepted that study as an application for new permits. This process could be immediately expanded to include increased operations doubling or tripling our capacity.

We have completed construction of improvements to our Industrial Waste Treatment Plant which greatly increase the capacity of that fully permitted facility. Operations could be conducted on a 24 hour day, 365 day a year basis within the current capacity of that plant. That secondary treatment facility meets all current and proposed regulations of which this Base is aware. The effluent discharge from that facility flows to the Albany municipally owned treatment works which has ample capacity to accept increased flow.

The Base is in the unique position of possessing a storm water permit at the present time. MCLB Albany is able to increase operations while remaining within the limits of current permits. The Clean Water Act would propose no limit on our expanding operations.

MCLB Albany is in an excellent position regarding hazardous waste. The Base has newly constructed generator 90 day storage facilities which are now in operation. In addition, a collocated DRMO accepts long term storage of hazardous waste. DRMO's TSDF is fully permitted. We have capacity within our generator storage system to accept increased hazardous waste associated with increased operations tempo.

Waste minimization projects currently underway will additionally operate to reduce current hazardous waste generation levels. These two factors, coupled with the capabilities of the collocated DRMO TSDF, make it feasible for MCLB Albany to accept increased workload.

The Base enjoys excellent relationships with the Georgia Department of Natural Resources, Region IV of the Environmental Protection Agency, and the Dougherty County Clean Commission. Through the value of these established relationships, we are able to readily deal with the issues that could arise with an increased operations pace.

MCLB Albany further benefits from its fine community relations when considering and dealing with encroachment issues. There are currently no encroachment problems. An increased operations tempo would not raise other issues of encroachments.

There are ample water supplies in Georgia, no airport or airway is located prohibitively near the Base, no road development issues are under consideration, and no housing developments interfere with our operations. In fact, Dougherty County is actively working to improve access to the base and to assure that there are no conflicting uses which interfere with our mission.

MCLB Albany has removed all PCB containing transformers, capacitors, and switches from the Base. In the process of this removal, a new electrical distribution system was essentially installed. The existing system could now be considered as being only two to three years old. This new electrical distribution system is fully capable of handling the requirements which may be imposed as a result of increased operations.

MCLB Albany has removed all regulated underground storage tanks which were in a noncompliance status. The identification, location, testing, and removal of regulated tanks place MCLB Albany in an excellent position to increase operations.

7. Electronics and Communications Systems

7.1 Given the current configuration and operation of the Logistics Base, provide the Electronics and Communications Systems/Component production that was executed in and is programmed for the Fiscal Years (FYs) requested in both number of units throughput (both PEIs and components) (Tables 7.1.a and 7.1.b) and in Direct Labor Man Hours (DLMHs) (Tables 7.1.c and 7.1.d).

Table 7.1.a: **Historic/Projected Electronics & Communications Systems/Component Workload**

Electronic and Communication Systems	* Units Throughput							
	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Radio Units	4,925	5,568	4,958	3,888	2,753	5,478	4,052	5,282
Radar Units	277	313	279	219	279	1,180	854	173
Wire and Communications	3,681	4,162	3,706	2,906	4,152	4,444	2,040	1,854
Electronic Warfare								
Navigational Aids								
Electro-Optics / Night Vision	211	238	212	166	57	89	89	287
Satellite Control / Space Sensors								
Other (Specify) **	107	121	107	84	117	446	300	57
Total	9,201	10,402	9,262	7,263	7,358	11,637	7,335	7,653

* **Units throughput includes work performed for the Army, Air Force, DLA, and FMS.**
** **Includes miscellaneous items such as, power supplies, amplifiers, and computers.**

Table 7.1.b: **Historic/Projected Electronics and Communications Systems/Component Workload**

Electronic and Communications Systems	* Units Throughput							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Radio Units	4,018	4,018	6,212	6,347	6,074	6,149	6,149	6,149
Radar Units	226	226	171	176	175	170	170	170
Wire and Communications	3,003	3,003	1,777	1,779	962	645	645	645
Electronic Warfare								
Navigational Aids								
Electro-Optics / Night Vision	172	172	257	257	257	157	157	157
Satellite Control / Space Sensors								
Other (Specify) **	87	87	523	523	515	513	513	513
Total	7,506	7,506	8,940	9,082	7,983	7,634	7,634	7,634

* **Units throughput includes work performed for the Army, Air Force, and FMS.**
** **Includes miscellaneous items such as, power supplies, amplifiers, and computers.**

7. **Electronics and Communications Systems, continued**

Table 7.1.c: **Historic/Projected Electronics and Communications Systems/Component Workload**

Electronic and Communications Systems	* DLMHs (000s)							
	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Radio Units	53.2	55.2	55.3	55.6	40.3	42.4	73.6	98.2
Radar Units	21.8	22.6	22.6	22.7	33.9	35.0	31.3	22.8
Wire and Communications	20.7	21.5	21.5	21.6	31.5	27.5	15.5	22.4
Electronic Warfare								
Navigational Aids								
Electro-Optics / Night Vision	.9	.9	.9	.9	.8	.8	2.3	1.5
Satellite Control / Space Sensors								
Other (Specify) **	.9	.9	.9	.9	1.0	3.7	2.4	1.3
Total	97.5	101.1	101.2	101.7	107.5	109.4	125.1	146.2

* DLMHs include work performed for the Army, Air Force, DLA, and FMS.
** Includes miscellaneous items such as, power supplies, amplifiers, and computers.

Table 7.1.d: **Historic/Projected Electronics and Communications Systems/Component Workload**

Electronic and Communications Systems	* DLMHs (000s)							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Radio Units	88.4	85.0	95.9	96.7	68.7	95.1	95.1	95.1
Radar Units	36.2	34.8	24.3	30.0	22.5	22.5	22.5	22.5
Wire and Communications	34.4	33.1	18.2	18.0	12.5	11.2	11.2	11.2
Electronic Warfare								
Navigational Aids								
Electro-Optics / Night Vision	1.4	1.4	1.4	1.4	1.4	.7	.7	.7
Satellite Control / Space Sensors								
Other (Specify) **	1.5	1.5	2.7	2.7	2.3	2.3	2.3	2.3
Total	161.9	155.8	142.5	148.8	107.4	131.8	131.8	131.8

* DLMHs include work performed for the Army, Air Force, and FMS.
** Includes miscellaneous items such as, power supplies, amplifiers, and computers.

7. Electronics and Communications Systems, continued

7.2 Given the current configuration and operation of the Logistics Base, provide the Core portion of the construction equipment production that was executed in and is programmed for the FY requested in units throughput and in DLMHs.

Table 7.2.a: **Historic/Projected Electronics and Communications Systems/Component Core Workload**

Electronic and Communications Systems	* Units Throughput							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Radio Units	4,175	4,856	5,597	5,628	2,457	2,689	2,689	2,689
Radar Units	1,671	1,084	456	521	81	79	79	79
Wire and Communications	3,244	3,530	1,441	1,417	158	381	381	381
Electronic Warfare								
Navigational Aids								
Electro-Optics / Night Vision	38	43	112	111	101			
Satellite Control / Space Sensors								
Other (Specify) **	115	121	168	164	121	120	120	120
Total	9,243	9,634	7,774	7,841	2,918	3,269	3,269	3,269

* **Units throughput includes work performed for the Army and Air Force.**
** **Includes miscellaneous items such as, power supplies, amplifiers, and computers.**

Table 7.2.b: **Historic/Projected Electronics and Communications Systems/Component Core Workload**

Electronic and Communications Systems	* DLMHs (000s)							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Radio Units	106.3	106.1	99.9	98.2	72.3	106.2	106.2	106.2
Radar Units	56.9	57.3	30.3	37.5	33.2	29.7	29.7	29.7
Wire and Communications	50.5	50.7	18.7	17.9	12.3	9.1	9.1	9.1
Electronic Warfare								
Navigational Aids								
Electro-Optics / Night Vision	1.3	1.3	.9	.9	1.1			
Satellite Control / Space Sensors								
Other (Specify) **	1.6	1.6	3.1	3.0	3.1	2.7	2.7	2.7
Total	216.6	217.0	152.9	157.5	122.0	147.7	147.7	147.7

* **DLMHs include work performed for the Army and Air Force.**
** **Includes miscellaneous items such as, power supplies, amplifiers, and computers.**

7. Electronic and Communication Systems, continued

7.3 Assuming (a) the current projected total 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 this Logistics Base could expand electronic and communication system operations based on the current and future planned workload mixes? Please provide your response in the absolute maximum number of electronics and communication systems/components and DLMHs that could be processed at this Logistics Base by category type.

Table 7.3.a **Maximum Potential Electronics & Communications Systems/Component Workload**

Electronic and Communications Systems	* Units Throughput						
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Radio Units	3,758	5,675	5,422	5,092	4,733	4,733	4,733
Radar Units	211	156	150	147	131	131	131
Wire and Communications	2,808	1,623	1,520	806	496	496	496
Electronic Warfare							
Navigational Aids							
Electro-Optics / Night Vision	162	235	220	215	121	121	121
Satellite Control / Space Sensors							
Other (Specify) **	81	478	440	432	395	395	395
Total	7,020	8,167	7,752	6,692	5,876	5,876	5,876

* **Units throughput includes work performed for the Army, Air Force, and FMS.**
** **Includes miscellaneous items such as, power supplies, amplifiers, and computers.**

Table 7.3.b **Maximum Potential Electronics & Communications Systems/Component Workload**

Electronic and Communications Systems	* DLMHs (000s)						
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Radio Units	79.5	87.6	82.6	57.6	73.2	73.2	73.2
Radar Units	32.5	22.2	25.6	18.8	17.3	17.3	17.3
Wire and Communications	31.0	16.6	15.4	10.5	8.6	8.6	8.6
Electronic Warfare							
Navigational Aids							
Electro-Optics / Night Vision	1.3	1.3	1.2	1.2	.5	.5	.5
Satellite Control / Space Sensors							
Other (Specify) **	1.4	2.5	2.3	1.9	1.8	1.8	1.8
Total	145.7	130.2	127.1	90.0	101.4	101.4	101.4

* **DLMHs include work performed for the Army, Air Force, and FMS.**
** **Includes miscellaneous items such as, power supplies, amplifiers, and computers.**

7. Electronic and Communication Systems, continued

7.4 Provide details of your calculations including assumptions on additional space utilized, major equipment required, production rates, and constraints that limit increased electronic and communication system/component workload at this Logistics Base.

The total capacity of this Maintenance Center is determined from shop layouts which will accommodate a wide range of ground combat, combat support, and combat service support equipment. This concept allows for interchangeable or concurrent work on amphibious, combat, and tactical vehicles and construction, general purpose, and other end items equipment. Our Electronics and Communications Section and Ordnance, Weapons, and Munitions Section, although more specialized, are manned and equipped to work a broad range of specific commodity area items. However, the personnel skills within the Electronics and Communications Section spill over into our Automatic Test Support Branch and Metrology (Calibration) Branch, thereby making common a multi-commodity workload mix.

Our maximum potential capacity is based on shop layouts of work positions from which personnel can be most efficiently employed to perform simultaneous work on the greatest number of multi-commodity items. The calculations used to determine maximum potential capacity are as follows:

- Total Capacity of the Maintenance Center is determined by the number of work positions on shop layouts:
  -- Total Capacity = number of work positions x 1615 x .95 (DLMH)
  (Computations from DOD draft capacity handbook (DOD 4151.15-H))

- Total Capacity of a Commodity-Area is a fraction of the total capacity of the Maintenance Center.
  -- Capacity (by commodity) = commodity workload divided by total workload x total capacity

- Capacity Within a Commodity Area is determined from the number of elemental areas within a commodity area (engines, transmissions, etc.), based on the composition of the workload.
  -- Capacity (by element) = elemental workload divided by total commodity workload x capacity (of commodity area)

- Capacity by Units of Production is determined by multiplying the ratio of the total capacity of the commodity area and the total workload within the commodity area by the total number of scheduled units.
  -- Capacity (by units) = total commodity area capacity divided by total commodity area workload x total number of scheduled units

The following assumptions are made in determining maximum potential capacity.

- Projected workload will materialize as planned
- Budgeted and planned for (including MILCON) infrastructure and Industrial Plant Equipment improvements will be realized
- Production rates will remain stable
- No known or projected limitations will degrade our existing capacity.

7. Electronic and Communication Systems, continued

7.5 Given an environment unconstrained by funds or manning, what Industrial Plant Equipment (IPE) would you change (add, delete, or modify) to increase your Logistics Base's capability to perform electronic and communication system workload? What other investments in the industrial infrastructure would you make to increase your electronic and communication system workload capabilities? Describe quantitatively how the changes above would increase your Maintenance Center's capabilities. What are the associated costs? What would be the payback period and return on investment?

The Maintenance Center's capability can be increased by 100 percent with minimal expense with the addition of a second eight-hour shift. With no limits on funding or manning, the industrial infrastructure aboard MCLB Albany could be enhanced to unlimited capacity.

What Industrial Plant Equipment would you change (add, delete, or modify) to increase capability?

The following Industrial Plant Equipment is being procured in order to improve our existing industrial capabilities and throughput:

- Signal Generator	(Budgeted)
- Test Set, Signal Generator	(Budgeted)
- Automatic Autocollinator	(Budgeted)
- DIT-MCO Backplane Tester	(Budgeted)
- Alternator/Generator Test Stand	(Budgeted)
- Automatic Wire Marker	(Budgeted)
- 100 KW, 60/400 Hz Load Bank	(Budgeted)

What other investments in the industrial infrastructure would you make to increase your electronic and communication systems workload capabilities?

No additional requirements.

Describe quantitatively how the changes above would increase your Maintenance Center's capabilities.

- The signal generator is required to test ECU and TRU Sections that have frequency ranges from 100 KHz to 2 GHz with output modulation and both AM/FM with levels from +3 dbm to -127 dbm. Equipment tested is modulation meters received from GPETE, FMF and MPF, Blount Island.

- Procurement of the signal generator test set will provide needed support to an increasing number of microwave generators, communication service analyzers, spectrum analyzers coming in from FMF, GPETE, and Blount Island. The signal generator will repair and calibrate a frequency range of 150 KHz to 18 GHz, +20 dbm to -127 dbm.

- Procurement of the automatic Autocollinator will allow calibration of many physical/dimensional standards we presently have to send to other labs for certification. The Albany Maintenance Center will also be able to increase our capabilities to support Kingsbay, SWFLANT.

- Procurement of the DIT-MCO Backplane Tester will provide the Albany Maintenance Center the capability to perform modification and apply engineering changes to the AN/TTC-42 and SB-3865 switchboard vice returning them to the manufacturer which is time consuming and costly.

- Alternator-generator test stand will replace an existing test stand that is at the end of its life cycle. The test stand is required for testing rebuilt alternators and generators prior to installation in ordnance/tactical vehicles.

7. Electronic and Communication Systems, continued

- Automatic wire marker will enable the electrical shop to mark 18 AWG wire and smaller. It will print permanent circuit numbers in many places along the length of wire. Present method is to mark wires with wrap-around tape that can easily be removed and is destroyed by oil/grease contamination which causes problems with equipment diagnostic procedures.

- The load bank is required for replacement of an existing load bank that requires excessive maintenance. The load bank is used to test 60 and 400 Hz, 100 KW generators repaired/rebuilt at the Maintenance Center. Failure to replace will result in reduced support for FMF and MPF requirements.

What would the associated costs be?

- The Industrial Plant Equipment identified above is being procured with FY-94 funds and is estimated to be 614K.

What would be the payback period and return on investment?

The payback period for both industrial plant equipment and infrastructure improvements is 5.2 years. Return on investment is 58.81 percent. Payback period and ROI are based on information from the following sources:

Cost Estimating, Second Edition; Rodney D. Stewart, John Wiley and Sons, 1991

Industrial Engineering Methods and Controls; Donald R. Herzog, Restin Publishing Company, INC., 1985

7.6 Are there any environmental, legal, or otherwise limiting factors (encroachment, pollutant discharge, etc.) that inhibit further development of electronic and communication system workload at this Logistics Base?

MCLB Albany enjoys unique status within DOD as an environmentally compliant facility. Albany is an attainment area for air pollutants. The Base possesses a facility-wide permit for all air emissions covering all current operations. We are presently able to operate within the limits of this permit and could go to 24 hour a day, seven day a week operation without violating air permit terms.

In addition, we have begun the process to identify all stationary sources which will require permitting under the Clean Air Act Amendments of 1990 and have met with the State of Georgia concerning this permitting process.

A contractor has completed a study identifying our air sources and the emissions from those sources, and the state has tentatively accepted that study as an application for new permits. This process could be immediately expanded to include increased operations doubling or tripling our capacity.

We have completed construction of improvements to our Industrial Waste Treatment Plant which greatly increase the capacity of that fully permitted facility. Operations could be conducted on a 24 hour day, 365 day a year basis within the current capacity of that plant. That secondary treatment facility meets all current and proposed regulations of which this Base is aware. The effluent discharge from that facility flows to the Albany municipally owned treatment works which has ample capacity to accept increased flow.

The Base is in the unique position of possessing a storm water permit at the present time. MCLB Albany is able to increase operations while remaining within the limits of current permits. The Clean Water Act would propose no limit on our expanding operations.

MCLB Albany is in an excellent position regarding hazardous waste. The Base has newly constructed generator 90 day storage facilities which are now in operation. In addition, a collocated DRMO accepts long term storage of hazardous waste. DRMO's TSDF is fully permitted. We have capacity within our generator storage system to accept increased hazardous waste associated with increased operations tempo.

7. Electronic and Communication Systems, continued

Waste minimization projects currently underway will additionally operate to reduce current hazardous waste generation levels. These two factors, coupled with the capabilities of the collocated DRMO TSDF, make it feasible for MCLB Albany to accept increased workload.

The Base enjoys excellent relationships with the Georgia Department of Natural Resources, Region IV of the Environmental Protection Agency, and the Dougherty County Clean Commission. Through the value of these established relationships, we are able to readily deal with the issues that could arise with an increased operations pace.

MCLB Albany further benefits from its fine community relations when considering and dealing with encroachment issues. There are currently no encroachment problems. An increased operations tempo would not raise other issues of encroachments.

There are ample water supplies in Georgia, no airport or airway is located prohibitively near the Base, no road development issues are under consideration, and no housing developments interfere with our operations. In fact, Dougherty County is actively working to improve access to the Base and to assure that there are no conflicting uses which interfere with our mission.

MCLB Albany has removed all PCB containing transformers, capacitors, and switches from the Base. In the process of this removal, a new electrical distribution system was essentially installed. The existing system could now be considered as being only two to three years old. This new electrical distribution system is fully capable of handling the requirements which may be imposed as a result of increased operations.

MCLB Albany has removed all regulated underground storage tanks which were in a noncompliance status. The identification, location, testing, and removal of regulated tanks place MCLB Albany in an excellent position to increase operations.

8. Ordnance, Weapons, and Munitions

8.1 Given the current configuration and operation of the Logistics Base, provide the Ordnance, Weapons and Munitions Component production that was executed in and is programmed for the Fiscal Years (FYs) requested in both number of units throughput (both PEIs and components) (Tables 8.1.a and 8.1.b) and in Direct Labor Man Hours (DLMHs) (Tables 8.1.c and 8.1.d).

Table 8.1.a: **Historic and Projected Ordnance Workload**

Ordnance Type	* Units Throughput							
	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Nuclear Weapons								
Chemical and Biological Weapons								
Artillery and Guns	376	425	378	297	473	944	215	140
Small Arms, Crew Served Weapons	17,812	20,139	17,932	14,062	10,573	14,107	10,197	18,487
Conventional Arms and Explosives	83	94	83	65	37	4	10	98
Other (Specify) **	122	138	123	96	20	520	591	179
Total	18,393	20,796	18,516	14,520	11,103	15,575	11,013	18,904

* **Units throughput includes work performed for the Army, DEA, and DLA.**
** **Includes miscellaneous items such as, telescopes, aiming circles, and headspace gages.**

Table 8.1.b: **Historic and Projected Ordnance Workload**

Ordnance Type	* Units Throughput							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Nuclear Weapons								
Chemical and Biological Weapons								
Artillery and Guns	307	307	310	310	310	307	307	307
Small Arms, Crew Served Weapons	14,530	14,530	13,421	13,374	13,386	13,386	13,386	13,386
Conventional Arms and Explosives	68	68	18	18	18	18	18	18
Other (Specify) **	100	100	95	95	95	110	110	110
Total	15,005	15,005	13,844	13,797	13,809	13,821	13,821	13,821

* **Units throughput includes work performed for the Army.**
** **Includes miscellaneous items such as, telescopes, aiming circles, and headspace gages.**

8. **Ordnance, Weapons, and Munitions, continued**

Table 8.1.c: **Historic and Projected Ordnance Workload**

Ordnance Type	* DLMHs (000s)							
	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Nuclear Weapons								
Chemical and Biological Weapons								
Artillery and Guns	3.1	3.2	3.2	3.2	6.0	10.7	6.5	2.1
Small Arms, Crew Served Weapons	15.8	16.4	16.4	16.5	15.5	10.0	17.3	25.6
Conventional Arms and Explosives	.8	.8	.8	.8	.6	.1	.4	1.3
Other (Specify) **	.3	.3	.3	.3	.1	.7	1.3	.7
Total	20.0	20.7	20.7	20.8	22.2	21.5	25.5	29.7

* **DLMHs include work performed for the Army, DEA, and DLA.**
** **Includes miscellaneous items such as, telescopes, aiming circles, and headspace gages.**

Table 8.1.d: **Historic and Projected Ordnance Workload**

Ordnance Type	* DLMHs (000s)							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Nuclear Weapons								
Chemical and Biological Weapons								
Artillery and Guns	5.1	4.9	21.2	21.2	21.2	19.9	19.9	19.9
Small Arms, Crew Served Weapons	26.2	25.2	49.1	48.5	48.6	48.6	48.6	48.6
Conventional Arms and Explosives	1.3	1.2	.3	.3	.3	.3	.3	.3
Other (Specify) **	.5	.5	.3	.3	.3	.7	.7	.7
Total	33.1	31.8	70.9	70.3	70.4	69.5	69.5	69.5

* **DLMHs include work performed for the Army.**
** **Includes miscellaneous items such as, telescopes, aiming circles, and headspace gages.**

8. Ordnance, Weapons, and Munitions, continued

8.2 Given the current configuration and operation of the Logistics Base, provide the Core portion of the ordnance, weapons and munitions production that was executed in and is programmed for the FY requested in units throughput and in DLMHs of the construction equipment production that was executed in and is programmed for the FY requested in units throughput and in DLMHs.

Table 8.2.a: **Historic and Projected Ordnance Core Workload**

Ordnance Type	* Units Throughput							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Nuclear Weapons								
Chemical and Biological Weapons								
Artillery and Guns	203	284	294	277	225	237	237	237
Small Arms, Crew Served Weapons	15,792	13,876	12,696	12,647	12,868	12,758	12,758	12,758
Conventional Arms and Explosives	127	54						
Other (Specify) **	60	39						
Total	16,182	14,253	12,990	12,924	13,093	12,995	12,995	12,995

* **Units throughput includes work performed for the Army.**
** **Includes miscellaneous items such as, telescopes, aiming circles, and headspace gages.**

Table 8.2.b: **Historic and Projected Ordnance Core Workload**

Ordnance Type	* DLMHs (000s)							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Nuclear Weapons								
Chemical and Biological Weapons								
Artillery and Guns	21.8	21.5	75.3	76.0	75.9	72.7	72.7	72.7
Small Arms, Crew Served Weapons	143.3	143.6	170.5	169.7	169.9	174.2	174.2	174.2
Conventional Arms and Explosives	6.6	6.6						
Other (Specify) **	1.3	1.2				1.3	1.3	1.3
Total	173.0	172.9	245.8	245.7	245.8	248.2	248.2	248.2

* **DLMHs include work performed for the Army.**
** **Includes miscellaneous items such as, telescopes, aiming circles, and headspace gages.**

8. Ordnance, Weapons and Munitions, continued

8.3 Assuming (a) the current projected total 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 this Logistics Base could expand ordnance, weapons and munitions operations based on the current and future planned workload mixes? Please provide your response in the absolute maximum number of ordnance, weapons and munitions/components and DLMHs that could be processed at this Logistics Base by category type.

Table 8.3.a **Maximum Potential Ordnance Workload**

Ordnance Type	* Units Throughput						
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Nuclear Weapons							
Chemical and Biological Weapons							
Artillery and Guns	287	283	265	260	236	236	236
Small Arms, Crew Served Weapons	13,588	12,261	11,426	11,222	10,303	10,303	10,303
Conventional Arms and Explosives	64	16	15	15	14	14	14
Other (Specify) **	94	87	81	80	85	85	85
Total	14,033	12,647	11,787	11,577	10,638	10,638	10,638

* **Units throughput includes work performed for the Army.**
** **Includes miscellaneous items such as, telescopes, aiming circles, and headspace gages.**

Table 8.3.b: **Maximum Potential Ordnance Workload**

Ordnance Type	* DLMHs (000s)						
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Nuclear Weapons							
Chemical and Biological Weapons							
Artillery and Guns	4.6	19.4	18.1	17.8	15.3	15.3	15.3
Small Arms, Crew Served Wpns	23.5	44.8	41.4	40.7	37.4	37.4	37.4
Conventional Arms and Explosives	1.1	.3	.3	.2	.2	.2	.2
Other (Specify) **	.5	.3	.3	.3	.6	.6	.6
Total	29.7	64.8	60.1	59.0	53.5	53.5	53.5

* **DLMHs include work performed for the Army.**
** **Includes miscellaneous items such as, telescopes, aiming circles, and headspace gages.**

8. Ordnance, Weapons and Munitions, continued

8.4 Provide details of your calculations including assumptions on additional space utilized, major equipment required, production rates, and constraints that limit increased ordnance, weapons and munitions/component workload at this Logistics Base.

The total capacity of this Maintenance Center is determined from shop layouts which will accommodate a wide range of ground combat, combat support, and combat service support equipment. This concept allows for interchangeable or concurrent work on amphibious, combat, and tactical vehicles and construction, general purpose, and other end items equipment. Our Electronics and Communications Section and Ordnance, Weapons, and Munitions Section, although more specialized, are manned and equipped to work a broad range of specific commodity area items. However, the personnel skills within the Electronics and Communications Section spill over into our Automatic Test Support Branch and Metrology (Calibration) Branch, thereby making common a multi-commodity workload mix.

Our maximum potential capacity is based on shop layouts of work positions from which personnel can be most efficiently employed to perform simultaneous work on the greatest number of multi-commodity items. The calculations used to determine maximum potential capacity are as follows:

- Total Capacity of the Maintenance Center is determined by the number of work positions on shop layouts:
  -- Total Capacity = number of work positions x 1615 x .95 (DLMH)
  (Computations from DOD draft capacity handbook (DOD 4151.15-H))

- Total Capacity of a Commodity-Area is a fraction of the total capacity of the Maintenance Center.
  -- Capacity (by commodity) = commodity workload divided by total workload x total capacity

- Capacity Within a Commodity Area is determined from the number of elemental areas within a commodity area (engines, transmissions, etc.), based on the composition of the workload.
  -- Capacity (by element) = elemental workload divided by total commodity workload x capacity (of commodity area)

- Capacity by Units of Production is determined by multiplying the ratio of the total capacity of the commodity area and the total workload within the commodity area by the total number of scheduled units.
  -- Capacity (by units) = total commodity area capacity divided by total commodity area workload x total number of scheduled units

The following assumptions are made in determining maximum potential capacity.

- Projected workload will materialize as planned
- Budgeted and planned for (including MILCON) infrastructure and Industrial Plant Equipment improvements will be realized
- Production rates will remain stable
- No known or projected limitations will degrade our existing capacity.

8. Ordnance, Weapons and Munitions, continued

8.5 Given an environment unconstrained by funds or manning, what Industrial Plant Equipment (IPE) would you change (add, delete, or modify) to increase your Logistics Base's capability to perform ordnance, weapons and munitions/component workload? What other investments in the industrial infrastructure would you make to increase your ordnance, weapons and munitions workload capabilities? Describe quantitatively how the changes above would increase your Maintenance Center's capabilities. What are the associated costs? What would be the payback period and return on investment?

The Maintenance Center's capability can be increased by 100 percent with minimal expense with the addition of a second eight-hour shift. With no limits on funding or manning, the industrial infrastructure aboard MCLB Albany could be enhanced to unlimited capacity.

Because we are a Multi-Commodity Maintenance Center, the required infrastructure improvements will similarly benefit the amphibious, combat, and tactical vehicle commodity areas; construction and general purpose equipment commodity areas; ordnance, weapons, and munitions commodity area; and the other end items commodity area.

What Industrial Plant Equipment would you change (add, delete, or modify) to increase capability?

The following Industrial Plant Equipment is being procured to improve our existing industrial capabilities and throughput:

- Crankshaft Grinder (Computer Numeric Controlled (CNC) Machine)
- CNC Metal Brake Machine (Qty 2)
- Computerized Drilling and Circuit Board Unit
- Parts Retrieval Systems (Qty 4)

What other investments in the industrial infrastructure would you make to increase your ordnance, weapons, and munitions workload capabilities?

The following infrastructure projects are either ongoing, budgeted, or planned for in order to maintain/improve our existing industrial capabilities and throughput:

- Convert five existing acres to concrete hardstand	Planned
- Construction of equipment drain rack	Budgeted
- Replacement of the vehicle undercoating rack	Budgeted
- Improved engine dynamometer facility	MILCON, under construction
- Construction of a new, improved cleaning and coating facility	MILCON, under construction
- Construction of two commercial, stand-alone paint booths	Planned
- Enhancement of Intergraph (CAD/CAM) system to achieve compatibility with Flexible Computer Integrated Manufacturing (FCIM)	Ongoing
- Enhance existing anodizing system for small arms commodities	Budgeted

Describe quantitatively how the changes above would increase your Maintenance Center's capabilities.

- The concrete hardstand improvement described above will increase the equipment staging area by 20 percent.

- The computer numeric controlled crankshaft grinder and metal brake machine will provide for increased production ranging from 30-50 percent depending upon the commodity being processed.

8. Ordnance, Weapons and Munitions, continued

- Replacement of the drain rack and undercoating facilities will enhance the capability to drain and/or undercoat both wheeled and tracked vehicles year-round. In addition, environmental problems with draining vehicles will be completely eliminated.

- The cleaning and coating facility will provide steam cleaning and abrasive blasting of wheeled and tracked vehicles and component parts in an enclosed environment. The facility will replace existing outdoor steam cleaning and abrasive blasting areas which produced airborne contaminants that affected surrounding shops and personnel.

- The engine dynamometer facility will provide six each, state-of-the-art test cells with electronic test consoles to provide more efficient IROAN diagnostic testing of engines with horsepower ranges from 250 to 1,500. The dynamometer and engine cooling water system is close-looped, reducing water usage and industrial waste treatment and costs.

- The construction of commercial paint booths will make available approximately 30,000 square feet of existing enclosed craneway for the repair/rebuild of engineer equipment and other commodity items.

- The installation of flexible integrated computer manufacturing hardware and software will enhance the integration capabilities of going from design to fabricated parts produced by welding, flame-o-graph, punching, machining, and forming by computer ties between the designer and personnel and machines creating the parts. Significant savings will be realized in fabrication of parts due to reduction of several design and programming steps presently required for the start of design to actual part completion.

- An enhanced anodizing system will increase production capability and enhance the quality of small arms items. Anodizing increases the life cycle of small arms by preventing corrosion and also provides a non-glare surface.

What are the associated costs?

- Costs for the budgeted and planned infrastructure improvements are estimated to be $2.88M.

- The Industrial Plant Equipment identified above is being procured with FY-94 funds and is estimated to be $810K.

What would be the payback period and return on investment?

The payback period for both industrial plant equipment and infrastructure improvements is 14.0 years. Return on investment is 19.67 percent. The payback period and return on investment are based on information from the following sources:

<u>Cost Estimating, Second Edition</u>; Rodney D. Stewart, John Wiley and Sons, 1991

<u>Industrial Engineering Methods and Controls</u>; Donald R. Herzog, Restin Publishing Company, INC., 1985

8.6 Are there any environmental, legal, or otherwise limiting factors (encroachment, pollutant discharge, etc.) that inhibit further development of ordnance, weapons and munitions workload at this Logistics Base?

MCLB Albany enjoys unique status within DOD as an environmentally compliant facility. Albany is an attainment area for air pollutants. The Base possesses a facility-wide permit for all air emissions covering all current operations. We are presently able to operate within the limits of this permit and could go to 24 hour a day, seven day a week operation without violating air permit terms.

8. Ordnance, Weapons, and Munitions, continued

In addition, we have begun the process to identify all stationary sources which will require permitting under the Clean Air Act Amendments of 1990 and have met with the State of Georgia concerning this permitting process.

A contractor has completed a study identifying our air sources and the emissions from those sources, and the state has tentatively accepted that study as an application for new permits. This process could be immediately expanded to include increased operations doubling or tripling our capacity.

We have completed construction of improvements to our Industrial Waste Treatment Plant which greatly increase the capacity of that fully permitted facility. Operations could be conducted on a 24 hour day, 365 day a year basis within the current capacity of that plant. That secondary treatment facility meets all current and proposed regulations of which this base is aware. The effluent discharge from that facility flows to the Albany municipally owned treatment works which has ample capacity to accept increased flow.

The Base is in the unique position of possessing a storm water permit at the present time. MCLB Albany is able to increase operations while remaining within the limits of current permits. The Clean Water Act would propose no limit on our expanding operations.

MCLB Albany is in an excellent position regarding hazardous waste. The Base has newly constructed generator 90 day storage facilities which are now in operation. In addition, a collocated DRMO accepts long term storage of hazardous waste. DRMO's TSDF is fully permitted. We have capacity within our generator storage system to accept increased hazardous waste associated with increased operations tempo.

Waste minimization projects currently underway will additionally operate to reduce current hazardous waste generation levels. These two factors, coupled with the capabilities of the collocated DRMO TSDF, make it feasible for MCLB Albany to accept increased workload.

The Base enjoys excellent relationships with the Georgia Department of Natural Resources, Region IV of the Environmental Protection Agency, and the Dougherty County Clean Commission. Through the value of these established relationships, we are able to readily deal with the issues that could arise with an increased operations pace.

MCLB Albany further benefits from its fine community relations when considering and dealing with encroachment issues. There are currently no encroachment problems. An increased operations tempo would not raise other issues of encroachments.

There are ample water supplies in Georgia, no airport or airway is located prohibitively near the Base, no road development issues are under consideration, and no housing developments interfere with our operations. In fact, Dougherty County is actively working to improve access to the base and to assure that there are no conflicting uses which interfere with our mission.

MCLB Albany has removed all PCB containing transformers, capacitors, and switches from the Base. In the process of this removal, a new electrical distribution system was essentially installed. The existing system could now be considered as being only two to three years old. This new electrical distribution system is fully capable of handling the requirements which may be imposed as a result of increased operations.

MCLB Albany has removed all regulated underground storage tanks which were in a noncompliance status. The identification, location, testing, and removal of regulated tanks places MCLB Albany in an excellent position to increase operations.

Mission Area

9. General Purpose Equipment

9.1 Given the current configuration and operation of the Logistics Base, provide the General Purpose Equipment/Component production (e.g., decontamination units, water purification units, refrigerated containers, etc.) that was executed in and is programmed for the Fiscal Years (FYs) requested in both number of units throughput (both PEIs and components) (Tables 9.1.a and 9.1.b) and in Direct Labor Man Hours (DLMHs) (Tables 9.1.c and 9.1.d).

Table 9.1.a: **Historic General Purpose Equipment/Component Workload**

General Purpose Equipment/ Components	Units Throughput							
	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Rail Equipment								
Generator Sets	301	340	303	238	274	32	203	217
General Purpose Maintenance Tooling/Equipment	1,707	1,930	1,719	1,348	1,245	450	1,025	1,540
Other (Specify) *	310	351	312	245	353	14	1,476	153
Total	2,318	2,621	2,334	1,831	1,872	496	2,704	1,910

* **Includes miscellaneous items such as, fuel tanks and fabric drums.**

Table 9.1.b: **Projected General Purpose Equipment/Component Workload**

General Purpose Equipment/ Components	Units Throughput							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Rail Equipment								
Generator Sets	245	245	250	250	229	229	229	229
General Purpose Maintenance Tooling/Equipment	1,393	1,393	1,637	1,637	1,637	1,747	1,747	1,747
Other (Specify) *	253	253	191	191	191	191	191	191
Total	1,891	1,891	2,078	2,078	2,057	2,167	2,167	2,167

* **Includes miscellaneous items such as, fuel tanks and fabric drums.**

9. **General Purpose Equipment, continued**

Table 9.1.c: **Historic General Purpose Equipment/Component Workload**

General Purpose Equipment/ Components	DLMHs (000s)							
	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Rail Equipment								
Generator Sets	4.2	4.3	4.3	4.3	5.3	3.9	6.0	5.5
General Purpose Maintenance Tooling/Equipment	14.3	14.8	14.9	14.9	15.2	16.6	14.1	22.0
Other (Specify) *	3.1	3.3	3.3	3.3	1.7	5.3	7.9	6.4
Total	21.6	22.4	22.5	22.5	22.2	25.8	28.0	33.9

* **Includes miscellaneous items such as, fuel tanks and fabric drums.**

Table 9.1.d: **Projected General Purpose Equipment/Component Workload**

General Purpose Equipment/ Components	DLMHs (000s)							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Rail Equipment								
Generator Sets	6.9	6.6	5.7	4.1	4.1	4.1	4.1	4.1
General Purpose Maintenance Tooling/Equipment	23.8	22.8	7.8	7.8	7.8	59.0	59.0	59.0
Other (Specify) *	5.2	5.0	1.4	1.4	1.4	1.4	1.4	1.4
Total	35.9	34.4	14.9	13.3	13.3	64.5	64.5	64.5

* **Includes miscellaneous items such as, fuel tanks and fabric drums.**

9. General Purpose Equipment, continued

9.2 Given the current configuration and operation of the Logistics Base, provide the Core portion of the general purpose equipment production that was executed in and is programmed for the FY requested in units throughput and in DLMHs. **N/A**

Table 9.2.a: **Projected General Purpose Equipment/Component Core Workload**

General Purpose Equipment/ Components	Units Throughput							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Rail Equipment								
Generator Sets								
General Purpose Maintenance Tooling/Equipment								
Other (Specify)								
Total								

Table 9.2.b: **Projected General Purpose Equipment/Component Core Workload**

General Purpose Equipment/ Components	DLMHs (000s)							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Rail Equipment								
Generator Sets								
General Purpose Maintenance Tooling/Equipment								
Other (Specify)								
Total								

9. General Purpose Equipment, continued

9.3 Assuming (a) the current projected total 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 this Logistics Base could expand general purpose equipment/component operations based on the current and future planned workload mixes? Please provide your response in the absolute maximum units of general purpose equipment/components and DLMHs that could be processed at this Logistics Base by category type.

Table 9.3.a **Maximum Potential General Purpose Equip/Component Workload**

General Purpose Equipment/ Components	Units Throughput						
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Rail Equipment							
Generator Sets	216	228	214	192	176	176	176
General Purpose Maintenance Tooling/Equipment	1,303	1,495	1,399	1,372	1,345	1,345	1,345
Other (Specify) *	237	174	163	160	147	147	147
Total	1,756	1,897	1,776	1,724	1,668	1,668	1,668

* **Includes miscellaneous items such as, fuel tanks and fabric drums.**

Table 9.3.b **Maximum Potential General Purpose Equip/Component Workload**

General Purpose Equipment/ Components	DLMHs (000s)						
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Rail Equipment							
Generator Sets	6.2	5.2	3.5	3.4	3.1	3.1	3.1
General Purpose Maintenance Tooling/Equipment	21.3	7.1	6.7	6.5	45.4	45.4	45.4
Other (Specify) *	4.7	1.3	1.2	1.2	1.1	1.1	1.1
Total	32.2	13.6	11.4	11.1	49.6	49.6	49.6

* **Includes miscellaneous items such as, fuel tanks and fabric drums.**

9. General Purpose Equipment, continued

9.4 Provide details of your calculations including assumptions on additional space utilized, major equipment required, production rates, and constraints that limit increased general purpose equipment/component workload at this Logistics Base.

The total capacity of this Maintenance Center is determined from shop layouts which will accommodate a wide range of ground combat, combat support, and combat service support equipment. This concept allows for interchangeable or concurrent work on amphibious, combat, and tactical vehicles and construction, general purpose, and other end items equipment. Our Electronics and Communications Section and Ordnance, Weapons, and Munitions Section, although more specialized, are manned and equipped to work a broad range of specific commodity area items. However, the personnel skills within the Electronics and Communications Section spill over into our Automatic Test Support Branch and Metrology (Calibration) Branch, thereby making common a multi-commodity workload mix.

Our maximum potential capacity is based on shop layouts of work positions from which personnel can be most efficiently employed to perform simultaneous work on the greatest number of multi-commodity items. The calculations used to determine maximum potential capacity are as follows:

- Total Capacity of the Maintenance Center is determined by the number of work positions on shop layouts:
  -- Total Capacity = number of work positions x 1615 x .95 (DLMH)
  (Computations from DOD draft capacity handbook (DOD 4151.15-H))

- Total Capacity of a Commodity-Area is a fraction of the total capacity of the Maintenance Center.
  -- Capacity (by commodity) = commodity workload divided by total workload x total capacity

- Capacity Within a Commodity Area is determined from the number of elemental areas within a commodity area (engines, transmissions, etc.), based on the composition of the workload.
  -- Capacity (by element) = elemental workload divided by total commodity workload x capacity (of commodity area)

- Capacity by Units of Production is determined by multiplying the ratio of the total capacity of the commodity area and the total workload within the commodity area by the total number of scheduled units.
  -- Capacity (by units) = total commodity area capacity divided by total commodity area workload x total number of scheduled units

The following assumptions are made in determining maximum potential capacity.

- Projected workload will materialize as planned
- Budgeted and planned for (including MILCON) infrastructure and Industrial Plant Equipment improvements will be realized
- Production rates will remain stable
- No known or projected limitations will degrade our existing capacity.

9. General Purpose Equipment, continued

9.5 Given an environment unconstrained by funds or manning, what Industrial Plant Equipment (IPE) would you change (add, delete, or modify) to increase your Logistics Base's capability to perform general purpose equipment/component workload? What other investments in the industrial infrastructure would you make to increase your general purpose equipment/ component workload capabilities? Describe quantitatively how the changes above would increase your Maintenance Center's capabilities. What are the associated costs? What would be the payback period and return on investment?

The Maintenance Center's capability can be increased by 100 percent with minimal expense with the addition of a second eight-hour shift. With no limits on funding or manning, the industrial infrastructure aboard MCLB Albany could be enhanced to unlimited capacity.

Because we are a Multi-Commodity Maintenance Center, the required infrastructure improvements will similarly benefit the amphibious, combat, and tactical vehicle commodity areas; construction and general purpose equipment commodity areas; ordnance, weapons, and munitions commodity area; and the other end items commodity area.

What Industrial Plant Equipment would you change (add, delete, or modify) to increase capability?

The following Industrial Plant Equipment is being procured to improve our existing industrial capabilities and throughput:

- Crankshaft Grinder (Computer Numeric Controlled (CNC) Machine)
- CNC Metal Brake Machine (Qty 2)
- Computerized Drilling and Circuit Board Unit
- Parts Retrieval Systems (Qty 4)

What other investments in the industrial infrastructure would you make to increase your general purpose equipment workload capabilities?

The following infrastructure projects are either ongoing, budgeted, or planned for in order to maintain/improve our existing industrial capabilities and throughput:

- Convert five existing acres to concrete hardstand	Planned
- Construction of equipment drain rack	Budgeted
- Replacement of the vehicle undercoating rack	Budgeted
- Improved engine dynamometer facility	MILCON, under construction
- Construction of a new, improved cleaning and coating facility	MILCON, under construction
- Construction of two commercial, stand-alone paint booths	Planned
- Enhancement of Intergraph (CAD/CAM) system to achieve compatibility with Flexible Computer Integrated Manufacturing (FCIM)	Ongoing
- Enhance existing anodizing system for small arms commodities	Budgeted

Describe quantitatively how the changes above would increase your Maintenance Center's capabilities.

- The concrete hardstand improvement described above will increase the equipment staging area by 20 percent.

- The computer numeric controlled crankshaft grinder and metal brake machine will provide for increased production ranging from 30-50 percent depending upon the commodity being processed.

9. General Purpose Equipment, continued

- Replacement of the drain rack and undercoating facilities will enhance the capability to drain and/or undercoat both wheeled and tracked vehicles year-round. In addition, environmental problems with draining vehicles will be completely eliminated.

- The cleaning and coating facility will provide steam cleaning and abrasive blasting of wheeled and tracked vehicles and component parts in an enclosed environment. The facility will replace existing outdoor steam cleaning and abrasive blasting areas which produced airborne contaminants that affected surrounding shops and personnel.

- The engine dynamometer facility will provide six each, state-of-the-art test cells with electronic test consoles to provide more efficient IROAN diagnostic testing of engines with horsepower ranges from 250 to 1500. The dynamometer and engine cooling water system is close-looped, reducing water usage and industrial waste treatment and costs.

- The construction of commercial paint booths will make available approximately 30,000 square feet of existing enclosed craneway for the repair/rebuild of engineer equipment and other commodity items.

- The installation of flexible integrated computer manufacturing hardware and software will enhance the integration capabilities of going from design to fabricated parts produced by welding, flame-o-graph, punching, machining, and forming by computer ties between the designer and personnel and machines creating the parts. Significant savings will be realized in fabrication of parts due to reduction of several design and programming steps presently required for the start of design to actual part completion.

- An enhanced anodizing system will increase production capability and enhance the quality of small arms items. Anodizing increases the life cycle of small arms by preventing corrosion and also provides a non-glare surface.

What are the associated costs?

- Costs for the budgeted and planned infrastructure improvements are estimated to be $2.88M.

- The Industrial Plant Equipment identified above is being procured with FY-94 funds and is estimated to be $810K.

What would be the payback period and return on investment?

The payback period for both industrial plant equipment and infrastructure improvements is 14.0 years. Return on investment is 19.67 percent. The payback period and return on investment are based on information from the following sources:

<u>Cost Estimating, Second Edition</u>; Rodney D. Stewart, John Wiley and Sons, 1991

<u>Industrial Engineering Methods and Controls</u>; Donald R. Herzog, Restin Publishing Company, INC., 1985

9.6 Are there any environmental, legal, or otherwise limiting factors (encroachment, pollutant discharge, etc.) that inhibit further development of general purpose equipment/component workload at this Logistics Base?

MCLB Albany enjoys unique status within DOD as an environmentally compliant facility. Albany is an attainment area for air pollutants. The Base possesses a facility-wide permit for all air emissions covering all current operations. We are presently able to operate within the limits of this permit and could go to 24 hour a day, seven day a week operation without violating air permit terms.

9. General Purpose Equipment, continued

In addition, we have begun the process to identify all stationary sources which will require permitting under the Clean Air Act Amendments of 1990 and have met with the State of Georgia concerning this permitting process.

A contractor has completed a study identifying our air sources and the emissions from those sources, and the state has tentatively accepted that study as an application for new permits. This process could be immediately expanded to include increased operations doubling or tripling our capacity.

We have completed construction of improvements to our Industrial Waste Treatment Plant which greatly increase the capacity of that fully permitted facility. Operations could be conducted on a 24 hour day, 365 day a year basis within the current capacity of that plant. That secondary treatment facility meets all current and proposed regulations of which this Base is aware. The effluent discharge from that facility flows to the Albany municipally owned treatment works which has ample capacity to accept increased flow.

The Base is in the unique position of possessing a storm water permit at the present time. MCLB Albany is able to increase operations while remaining within the limits of current permits. The Clean Water Act would propose no limit on our expanding operations.

MCLB Albany is in an excellent position regarding hazardous waste. The Base has newly constructed generator 90 day storage facilities which are now in operation. In addition, a collocated DRMO accepts long term storage of hazardous waste. DRMO's TSDF is fully permitted. We have capacity within our generator storage system to accept increased hazardous waste associated with increased operations tempo.

Waste minimization projects currently underway will additionally operate to reduce current hazardous waste generation levels. These two factors, coupled with the capabilities of the collocated DRMO TSDF, make it feasible for MCLB Albany to accept increased workload.

The Base enjoys excellent relationships with the Georgia Department of Natural Resources, Region IV of the Environmental Protection Agency, and the Dougherty County Clean Commission. Through the value of these established relationships, we are able to readily deal with the issues that could arise with an increased operations pace.

MCLB Albany further benefits from its fine community relations when considering and dealing with encroachment issues. There are currently no encroachment problems. An increased operations tempo would not raise other issues of encroachments.

There are ample water supplies in Georgia, no airport or airway is located prohibitively near the Base, no road development issues are under consideration, and no housing developments interfere with our operations. In fact, Dougherty County is actively working to improve access to the Base and to assure that there are no conflicting uses which interfere with our mission.

MCLB Albany has removed all PCB containing transformers, capacitors, and switches from the Base. In the process of this removal, a new electrical distribution system was essentially installed. The existing system could now be considered as being only two to three years old. This new electrical distribution system is fully capable of handling the requirements which may be imposed as a result of increased operations.

MCLB Albany has removed all regulated underground storage tanks which were in a noncompliance status. The identification, location, testing, and removal of regulated tanks place MCLB Albany in an excellent position to increase operations.

10. **Other End Items, continued**

Table 10.1.c: **Historic Other End Item/Component Workload**

Other End Items/ Components (Specify) **	* DLMHs (000s)							
	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
TMDE	65.2	67.6	67.7	68.1	64.3	80.7	84.1	105.4
Software Support	.9	1.0	1.0	1.0	.7	2.1	2.5	1.7
Other Support Projects	73.2	76.0	76.0	76.4	122.9	162.0	104.0	67.6
Total	139.3	144.6	144.7	145.5	187.9	244.8	190.6	174.7

* **DLMHs include work performed for the Army and Coast Guard.**
** **Includes miscellaneous items such as, Survey Instrument Exchange Program (SIEP) items, warning decals, platters, and rebuild standards.**

Table 10.1.d: **Projected Other End Item/Component Workload**

Other End Items/ Components (Specify) **	* DLMHs (000s)							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
TMDE	108.3	104.1	85.2	85.2	85.2	85.2	85.2	85.2
Software Support	1.5	1.5	5.9	5.9	5.9	5.9	5.9	5.9
Other Support Projects	121.6	116.9	86.7	86.7	86.7	86.7	86.7	86.7
Total	231.4	222.5	177.8	177.8	177.8	177.8	177.8	177.8

* DLMHs include work performed for the Army.
** Includes miscellaneous items such as, Survey Instrument Exchange Program (SIEP) items, warning decals, platters, and rebuild standards.

10. Other End Items, continued

10.2 Given the current configuration and operation of the Logistics Base, provide the Core portion of the other end item production that was executed in and is programmed for the FY requested in units throughput and in DLMHs. **N/A**

Table 10.2.a: **Projected Other End Item/Component Core Workload**

Other End Items/ Components (Specify)	Units Throughput							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
TMDE								
Software Support								
Other Support Projects								
Total								

Table 10.2.b: **Projected Other End Item/Component Core Workload**

Other End Items/ Components (Specify)	DLMHs (000s)							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
TMDE								
Software Support								
Other Support Projects								
Total								

10. Other End Items, continued

10.3 Assuming (a) the current projected total 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 this Logistics Base could expand other end item/component operations based on the current and future planned workload mixes? Please provide your response in the absolute maximum units of other end items/components and DLMHs that could be processed at this Logistics Base by category type.

Table 10.3.a **Maximum Potential Other End Item/Component Workload**

Other End Items/ Components (Specify) **	* Units Throughput						
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
TMDE	5,111	3,182	2,976	2,920	2,681	2,681	2,681
Software Support	3	2	2	2	2	2	2
Other Support Projects	4,209	3,285	3,072	3,015	2,768	2,768	2,768
Total	9,323	6,469	6,050	5,937	5,451	5,451	5,451

* **Units throughput includes work performed for the Army.**
** **Includes miscellaneous items such as, Survey Instrument Exchange Program (SIEP) items, warning decals, platters, and rebuild standards.**

Table 10.3.b: **Maximum Potential Other End Item/Component Workload**

Other End Items/ Components (Specify) **	* DLMHs (000s)						
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
TMDE	1.4	5.4	5.0	4.9	4.5	4.5	4.5
Software Support	97.4	77.8	72.8	71.4	65.6	65.6	65.6
Other Support Projects	109.3	79.2	74.1	72.7	66.8	66.8	66.8
Total	208.1	162.4	151.9	149.0	136.9	136.9	136.9

* DLMHs include work performed for the Army.
** Includes miscellaneous items such as, Survey Instrument Exchange Program (SIEP) items, warning decals, platters, and rebuild standards.

10. Other End Items, continued

10.4 Provide details of your calculations including assumptions on additional space utilized, major equipment required, production rates, and constraints that limit increased other end item/component workload at this Logistics Base.

The total capacity of this Maintenance Center is determined from shop layouts which will accommodate a wide range of ground combat, combat support, and combat service support equipment. This concept allows for interchangeable or concurrent work on amphibious, combat, and tactical vehicles and construction, general purpose, and other end items equipment. Our Electronics and Communications Section and Ordnance, Weapons, and Munitions Section, although more specialized, are manned and equipped to work a broad range of specific commodity area items. However, the personnel skills within the Electronics and Communications Section spill over into our Automatic Test Support Branch and Metrology (Calibration) Branch, thereby making common a multi-commodity workload mix.

Our maximum potential capacity is based on shop layouts of work positions from which personnel can be most efficiently employed to perform simultaneous work on the greatest number of multi-commodity items. The calculations used to determine maximum potential capacity are as follows:

- Total Capacity of the Maintenance Center is determined by the number of work positions on shop layouts:
  -- Total Capacity = number of work positions x 1615 x .95 (DLMH)
  (Computations from DOD draft capacity handbook (DOD 4151.15-H))

- Total Capacity of a Commodity-Area is a fraction of the total capacity of the Maintenance Center.
  -- Capacity (by commodity) = commodity workload divided by total workload x total capacity

- Capacity Within a Commodity Area is determined from the number of elemental areas within a commodity area (engines, transmissions, etc.), based on the composition of the workload.
  -- Capacity (by element) = elemental workload divided by total commodity workload x capacity (of commodity area)

- Capacity by Units of Production is determined by multiplying the ratio of the total capacity of the commodity area and the total workload within the commodity area by the total number of scheduled units.
  -- Capacity (by units) = total commodity area capacity divided by total commodity area workload x total number of scheduled units

The following assumptions are made in determining maximum potential capacity.

- Projected workload will materialize as planned
- Budgeted and planned for (including MILCON) infrastructure and Industrial Plant Equipment improvements will be realized
- Production rates will remain stable
- No known or projected limitations will degrade our existing capacity.

10.5 Given an environment unconstrained by funds or manning, what Industrial Plant Equipment (IPE) would you change (add, delete, or modify) to increase your Logistics Base's capability to perform other end item/component workload? What other investments in the industrial infrastructure would you make to increase your other end item/component workload capabilities? Describe quantitatively how the changes above would increase your Maintenance Center's capabilities. What are the associated costs? What would be the payback period and return on investment?

10. Other End Items, continued

The Maintenance Center's capability can be increased by 100 percent with minimal expense with the addition of a second eight-hour shift. With no limits on funding or manning, the industrial infrastructure aboard MCLB Albany could be enhanced to unlimited capacity.

Because we are a Multi-Commodity Maintenance Center, the required infrastructure improvements will similarly benefit the amphibious, combat, and tactical vehicle commodity areas; construction and general purpose equipment commodity areas; ordnance, weapons, and munitions commodity area; and the other end items commodity area.

What Industrial Plant Equipment would you change (add, delete, or modify) to increase capability?

The following Industrial Plant Equipment is being procured to improve our existing industrial capabilities and throughput:

- Crankshaft Grinder (Computer Numeric Controlled (CNC) Machine)
- CNC Metal Brake Machine (Qty 2)
- Computerized Drilling and Circuit Board Unit
- Parts Retrieval Systems (Qty 4)

What other investments in the industrial infrastructure would you make to increase your other end items workload capabilities?

The following infrastructure projects are either ongoing, budgeted, or planned for in order to maintain/improve our existing industrial capabilities and throughput:

- Convert five existing acres to concrete hardstand	Planned
- Construction of equipment drain rack	Budgeted
- Replacement of the vehicle undercoating rack	Budgeted
- Improved engine dynamometer facility	MILCON, under construction
- Construction of a new, improved cleaning and coating facility	MILCON, under construction
- Construction of two commercial, stand-alone paint booths	Planned
- Enhancement of Intergraph (CAD/CAM) system to achieve compatibility with Flexible Computer Integrated Manufacturing (FCIM)	Ongoing
- Enhance existing anodizing system for small arms commodities	Budgeted

Describe quantitatively how the changes above would increase your Maintenance Center's capabilities.

- The concrete hardstand improvement described above will increase the equipment staging area by 20 percent.

- The computer numeric controlled crankshaft grinder and metal brake machine will provide for increased production ranging from 30-50 percent depending upon the commodity being processed.

- Replacement of the drain rack and undercoating facilities will enhance the capability to drain and/or undercoat both wheeled and tracked vehicles year-round. In addition, environmental problems with draining vehicles will be completely eliminated.

- The cleaning and coating facility will provide steam cleaning and abrasive blasting of wheeled and tracked vehicles and component parts in an enclosed environment. The facility will replace existing outdoor steam cleaning and abrasive blasting areas which produced airborne contaminants that affected surrounding shops and personnel.

10. Other End Items, continued

- The engine dynamometer facility will provide six each, state-of-the-art test cells with electronic test consoles to provide more efficient IROAN diagnostic testing of engines with horsepower ranges from 250 to 1,500. The dynamometer and engine cooling water system is close-looped, reducing water usage and industrial waste treatment and costs.

- The construction of commercial paint booths will make available approximately 30,000 square feet of existing enclosed craneway for the repair/rebuild of engineer equipment and other commodity items.

- The installation of flexible integrated computer manufacturing hardware and software will enhance the integration capabilities of going from design to fabricated parts produced by welding, flame-o-graph, punching, machining, and forming by computer ties between the designer and personnel and machines creating the parts. Significant savings will be realized in fabrication of parts due to reduction of several design and programming steps presently required for the start of design to actual part completion.

- An enhanced anodizing system will increase production capability and enhance the quality of small arms items. Anodizing increases the life cycle of small arms by preventing corrosion and also provides a non-glare surface.

What are the associated costs?

- Costs for the budgeted and planned infrastructure improvements are estimated to be $2.88M.

- The Industrial Plant Equipment identified above is being procured with FY-94 funds and is estimated to be $810K.

What would be the payback period and return on investment?

The payback period for both industrial plant equipment and infrastructure improvements is 14.0 years. Return on investment is 19.67 percent. The payback period and return on investment are based on information from the following sources:

Cost Estimating, Second Edition; Rodney D. Stewart, John Wiley and Sons, 1991

Industrial Engineering Methods and Controls; Donald R. Herzog, Restin Publishing Company, INC., 1985

10.6 Are there any environmental, legal, or otherwise limiting factors (encroachment, pollutant discharge, etc.) that inhibit further development of other end item/component workload at this Logistics Base?

MCLB Albany enjoys unique status within DOD as an environmentally compliant facility. Albany is an attainment area for air pollutants. The Base possesses a facility-wide permit for all air emissions covering all current operations. We are presently able to operate within the limits of this permit and could go to 24 hour a day, seven day a week operation without violating air permit terms.

In addition, we have begun the process to identify all stationary sources which will require permitting under the Clean Air Act Amendments of 1990 and have met with the State of Georgia concerning this permitting process.

A contractor has completed a study identifying our air sources and the emissions from those sources, and the state has tentatively accepted that study as an application for new permits. This process could be immediately expanded to include increased operations doubling or tripling our capacity.

10. Other End Items, continued

We have completed construction of improvements to our Industrial Waste Treatment Plant which greatly increase the capacity of that fully permitted facility. Operations could be conducted on a 24 hour day, 365 day a year basis within the current capacity of that plant. That secondary treatment facility meets all current and proposed regulations of which this base is aware. The effluent discharge from that facility flows to the Albany municipally owned treatment works which has ample capacity to accept increased flow.

The Base is in the unique position of possessing a storm water permit at the present time. MCLB Albany is able to increase operations while remaining within the limits of current permits. The Clean Water Act would propose no limit on our expanding operations.

MCLB Albany is in an excellent position regarding hazardous waste. The base has newly constructed generator 90 day storage facilities which are now in operation. In addition, a collocated DRMO accepts long term storage of hazardous waste. DRMO's TSDF is fully permitted. We have capacity within our generator storage system to accept increased hazardous waste associated with increased operations tempo.

Waste minimization projects currently underway will additionally operate to reduce current hazardous waste generation levels. These two factors, coupled with the capabilities of the collocated DRMO TSDF, make it feasible for MCLB Albany to accept increased workload.

The Base enjoys excellent relationships with the Georgia Department of Natural Resources, Region IV of the Environmental Protection Agency, and the Dougherty County Clean Commission. Through the value of these established relationships, we are able to readily deal with the issues that could arise with an increased operations pace.

MCLB Albany further benefits from its fine community relations when considering and dealing with encroachment issues. There are currently no encroachment problems. An increased operations tempo would not raise other issues of encroachments.

There are ample water supplies in Georgia, no airport or airway is located prohibitively near the Base, no road development issues are under consideration, and no housing developments interfere with our operations. In fact, Dougherty County is actively working to improve access to the base and to assure that there are no conflicting uses which interfere with our mission.

MCLB Albany has removed all PCB containing transformers, capacitors, and switches from the Base. In the process of this removal, a new electrical distribution system was essentially installed. The existing system could now be considered as being only two to three years old. This new electrical distribution system is fully capable of handling the requirements which may be imposed as a result of increased operations.

MCLB Albany has removed all regulated underground storage tanks which were in a noncompliance status. The identification, location, testing, and removal of regulated tanks places MCLB Albany in an excellent position to increase operations.

Mission Area

11. Formal Schools Training

11.1 Given the current configuration and operation of the Logistics Base, provide the number of students that were processed and are programmed for the Fiscal Years (FYs) requested (Tables 11.1.a and 11.1.b) by Course Identification Number (CIN) for each major curriculum area (e.g. TMDE; electrical optical ordnance; EOOTC; Defense Basic P,P&P; WCC; MCATES). List other significant schools as appropriate.

Table 11.1.a: **Historic/Projected Training Workload**

School CIN	Student Throughput							
	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
M0728T1	31	28	29	20	33	27	27	19
M0728T2								
M0757L1	20	42	44	73	80	81	90	66
M07COY1	64	64	65	69	58	0	54	58
M07SCM1	251	322	322	292	216	191	236	216
Total	366	456	460	454	387	299	407	359

Table 11.1.b: **Historic/Projected Training Workload**

School CIN	Student Throughput							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
M0728T1	22	18	22	28	28	28	28	28
M0728T2	30	104	104	104	104	104	104	104
M0757L1	112	124	142	142	142	142	142	142
M07COY1	46	70	70	70	70	70	70	70
M07SCM1	258	213	254	254	254	254	254	254
Total	468	529	592	598	598	598	598	598

11. Formal Schools Training, continued

11.2 Given the current configuration and operation of the Logistics Base, provide the Core portion of the formal student training production that was executed in and programmed for the FY requested..

Table 11.2: **Historic/Projected Training Core Workload**

School CIN	Student Throughput							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
M0728T1	22	18	22	28	28	28	28	28
M0728T2	30	104	104	104	104	104	104	104
M0757L1	112	124	142	142	142	142	142	142
M07COY1	46	70	70	70	70	70	70	70
M07SCM1	258	213	254	254	254	254	254	254
Total	529	592	598	598	598	598	598	598

11.3 Using your current facilities, what is the maximum number of students that could be processed through the MCLB for each major curriculum area? List other significant schools as appropriate.

Table 11.3.a: **Maximum Potential Student Throughput**

School	Students Throughput						
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
M0728T1	24	24	24	24	24	24	24
M0728T2	96	96	96	96	96	96	96
M0757L1	140	140	140	140	140	140	140
M07COY1	70	70	70	70	70	70	70
M07SCM1	350	350	350	350	350	350	350
Total	680	680	680	680	680	680	680

11. Formal Schools Training, continued

11.4 Using your current facilities, what is the maximum number of students that could be processed at one time (maximum onboard count). List other significant schools as appropriate.

Table 11.4.a: **Maximum Students Onboard**

School	Students Throughput						
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
M0728T1	16	16	16	16	16	16	16
M0728T2	64	64	64	64	64	64	64
M0757L1	112	112	112	112	112	112	112
M07C0Y1	35	35	35	35	35	35	35
M07SCM1	350	350	350	350	350	350	350
Total	577	577	577	577	577	577	577

11.5 Provide details of your calculations including assumptions on additional space utilized, major equipment required, and constraints that limit increased formal school student throughput at this Logistics Base.

The contraints that will hamper any increases to formal student throughput would be the availability of additional instruction staff and procurement of additional Table of Equipment for use within the classroomm environment.

11.6 Given an environment unconstrained by funds or manning, what Industrial Plant Equipment (IPE) would you change (add, delete, or modify) to increase your Logistics Base's capability to perform formal school training functions? What other investments in the industrial infrastructure would you make to increase your training capabilities? Describe quantitatively how the changes above would increase your Maintenance Center's or Logistics Base's capabilities. What are the associated costs? What would be the payback period and return on investment?

The current MCLB infrastructure for messing and support facilities are adequate to meet most of the formal schools needs. Additional classrcom and Bachelor Enlisted Quarters (BEQ) billeting facilities are necessary to adequately support the formal school. Additional costs associated with the need for additional classrooms and BEQ facilities would be $1 million per 100 students for both classroom and BEQ spaces.

11.7 Are there any environmental, legal, or otherwise limiting factors (encroachment, pollutant discharge, etc.) that inhibit further development of schools training at this Logistics Base?

None.

Activity: M67004

Mission Area

12. Workload Summary

12.1 Predicted Workload Variance. Bring forward the information from Tables #.1 and #.3 in sections 1 through 11 above calculate the workload variance for each FY requested.

Table 12.1.a: **Workload Variance FY 1995**

FY 1995 Commodity Group	* Units Throughput			* DLMHs (000s)		
	Predicted Workload	Maximum Potential	Variance	Predicted Workload	Maximum Potential	Variance
Missiles						
Amphibious Vehicles	1,182	1,106	76	326.5	305.4	21.1
Combat Vehicles	1,575	1,400	176	104.8	98.0	6.8
Tactical Vehicles	3,187	2,952	236	365.4	341.7	23.7
Construction Equipment	497	465	32	58.1	54.3	3.8
Electronics & Comm Systems	7,506	7,020	490	155.8	145.7	10.1
Ordn, Wpns & Munitions	15,005	14,033	976	31.8	29.7	2.1
GPE	1,891	1,756	123	34.4	32.2	2.2
Other End Items	9,970	9,323	649	222.5	208.1	14.4
Total:	40,813	38,055	2,758	1,299.3	1,215.1	84.2
School Training	Students Planned	Maximum Potential	Variance	Students OnBoard	Potential OnBoard	Variance
Student Totals:	529	680	<151>	529	680	<151>

*** Units throughput and DLMHs include work performed for the Army and Air Force.**

12. Workload Summary, continued

Table 12.1.b Workload Variance FY 1996

FY 1996 Commodity Group	* Units Throughput			* DLMHs (000s)		
	Predicted Workload	Maximum Potential	Variance	Predicted Workload	Maximum Potential	Variance
Missiles						
Amphibious Vehicles	1,482	1,354	128	377.9	345.2	32.7
Combat Vehicles	1,360	1,241	119	54.5	49.8	4.7
Automotive Equipment						
Tactical Vehicles	3,373	3,081	292	472.5	431.7	40.8
Construction Equipment	399	364	35	19.1	17.4	1.7
Electronics & Comm Systems	8,940	8,167	773	142.5	130.2	12.3
Ordn, Wpns & Munitions	13,844	12,647	1,197	70.9	64.8	6.1
General Purpose Eqmt	2,078	1,897	181	14.9	13.6	1.3
Other End Items	7,081	6,469	612	177.8	162.4	15.4
Total:	38,557	35,220	3,337	1,330.1	1,215.1	115.0
Formal School Training	Predicted Workload	Maximum Potential	Variance	Predicted Workload	Maximum Potential	Variance
Student Totals:	592	680	(88)	592	680	(88)

*** Units throughput and DLMHs include work performed for the Army and Air Force.**

12. **Workload Summary, continued**

Table 12.1.c **Workload Variance FY 1997**

FY 1997 Commodity Group	* Units Throughput			* DLMHs (000s)		
	Predicted Workload	Maximum Potential	Variance	Predicted Workload	Maximum Potential	Variance
Missiles						
Amphibious Vehicles	1,494	1,276	218	384.1	328.1	56.0
Combat Vehicles	1,360	1,161	199	54.5	46.5	8.0
Automotive Equipment						
Tactical Vehicles	3,461	2,956	505	511.5	437.0	74.5
Construction Equipment	433	370	63	62.0	53.0	9.0
Electronics & Comm Systems	9,082	7,752	1,330	148.8	127.1	21.7
Ordn, Wpns & Munitions	13,797	11,787	2,010	70.3	60.1	10.2
General Purpose Eqmt	2,078	1,776	302	13.3	11.4	1.9
Other End Items	7,081	6,050	1,031	177.8	151.9	25.9
Total:	38,786	33,128	5,658	1,422.3	1,215.1	207.2
Formal School Training	Predicted Workload	Maximum Potential	Variance	Predicted Workload	Maximum Potential	Variance
Student Totals:	598	680	<82>	598	680	<82>

* **Units throughput and DLMHs include work performed for the Army and Air Force.**

12. Workload Summary, continued

Table 12.1.d **Workload Variance FY 1998**

FY 1998 Commodity Group	* Units Throughput			* DLMHs (000s)		
	Predicted Workload	Maximum Potential	Variance	Predicted Workload	Maximum Potential	Variance
Missiles						
Amphibious Vehicles	1,514	1,270	244	378.9	317.7	61.2
Combat Vehicles	1,360	1,140	220	54.5	45.7	8.8
Automotive Equipment						
Tactical Vehicles	3,613	3,030	583	585.1	490.5	94.6
Construction Equipment	433	363	70	62.0	52.0	10.0
Electronics & Comm Systems	7,983	6,692	1,291	107.4	90.0	17.4
Ordn, Wpns & Munitions	13,809	11,577	2,232	70.4	59.0	11.4
General Purpose Eqmt	2,057	1,724	333	13.3	11.1	2.2
Other End Items	7,081	5,937	1,144	177.8	149.1	28.7
Total:	37,850	31,733	6,117	1,449.4	1,215.1	234.3
Formal School Training	Predicted Workload	Maximum Potential	Variance	Predicted Workload	Maximum Potential	Variance
Student Totals:	598	680	(82)	598	680	(82)

*** Units throughput and DLMHs include work performed for the Army and Air Force.**

12. **Workload Summary, continued**

Table 12.1.e **Workload Variance FY 1999**

FY 1999 Commodity Group	* Units Throughput			* DLMHs (000s)		
	Predicted Workload	Maximum Potential	Variance	Predicted Workload	Maximum Potential	Variance
Missiles						
Amphibious Vehicles	1,514	1,166	348	378.9	291.6	87.3
Combat Vehicles	1,360	1,047	313	55.1	42.4	12.7
Automotive Equipment						
Tactical Vehicles	3,925	3,021	904	651.8	501.7	150.1
Construction Equipment	426	329	97	49.3	38.0	11.3
Electronics & Comm Systems	7,634	5,876	1,758	131.8	101.4	30.4
Ordn, Wpns & Munitions	13,821	10,638	3,183	69.5	53.5	16.0
General Purpose Eqmt	2,167	1,668	499	64.5	49.6	14.9
Other End Items	7,081	5,451	1,630	177.8	136.9	40.9
Total:	37,928	29,196	8,732	1,578.7	1,215.1	363.6
Formal School Training	Predicted Workload	Maximum Potential	Variance	Predicted Workload	Maximum Potential	Variance
Student Totals:	598	680	<82>	598	680	<82>

* **Units throughput and DLMHs include work performed for the Army and Air Force.**

12. **Workload Summary, continued**

Table 12.1.f **Workload Variance FY 2000**

FY 2000 Commodity Group	* Units throughput			* DLMHs (000s)		
	Predicted Workload	Maximum Potential	Variance	Predicted Workload	Maximum Potential	Variance
Missiles						
Amphibious Vehicles	1,514	1,166	348	378.9	291.6	87.3
Combat Vehicles	1,360	1,047	313	55.1	42.4	12.7
Automotive Equipment						
Tactical Vehicles	3,925	3,021	904	651.8	501.7	150.1
Construction Equipment	426	329	97	49.3	38.0	11.3
Electronics & Comm Systems	7,634	5,876	1,758	131.8	101.4	30.4
Ordn, Wpns & Munitions	13,821	10,638	3,183	69.5	53.5	16.0
General Purpose Eqmt	2,167	1,668	499	64.5	49.6	14.9
Other End Items	7,081	5,451	1,630	177.8	136.9	40.9
Total:	37,928	29,196	8,732	1,578.7	1,215.1	363.6
Formal School Training	Predicted Workload	Maximum Potential	Variance	Predicted Workload	Maximum Potential	Variance
Student Totals:	598	680	<82>	598	680	<82>

* **Units throughput and DLMHs include work performed for the Army and Air Force.**

12. **Workload Summary, continued**

Table 12.1.g **Workload Variance FY 2001**

FY 2001 Commodity Group	* Units Throughput			* DLMHs (000s)		
	Predicted Workload	Maximum Potential	Variance	Predicted Workload	Maximum Potential	Variance
Missiles						
Amphibious Vehicles	1,514	1,166	348	378.9	291.6	87.3
Combat Vehicles	1,360	1,047	313	55.1	42.4	12.7
Automotive Equipment						
Tactical Vehicles	3,925	3,021	904	651.8	501.7	150.1
Construction Equipment	426	329	97	49.3	38.0	11.3
Electronics & Comm Systems	7,634	5,876	1,758	131.8	101.4	30.4
Ordn, Wpns & Munitions	13,821	10,638	3,183	69.5	53.5	16.0
General Purpose Eqmt	2,167	1,668	499	64.5	49.6	14.9
Other End Items	7,081	5,451	1,630	177.8	136.9	40.9
Total:	37,928	29,196	8,732	1,578.7	1,215.1	363.6
Formal School Training	Predicted Workload	Maximum Potential	Variance	Predicted Workload	Maximum Potential	Variance
Student Totals:	598	680	<82>	598	680	<82>

* **Units throughput and DLMHs include work performed for the Army and Air Force.**

12. Workload Summary, continued

12.2 Core Workload Variance. Bring forward the information from Tables "#.2" and "#.3" of sections 1 through 11 above into the Tables below and calculate the Core workload variance.

Table 12.2.a: **Core Workload Variance FY 1995**

FY 1995 Commodity Group	* Units Throughput			* DLMHs (000s)		
	Predicted Workload	Maximum Potential	Variance	Predicted Workload	Maximum Potential	Variance
Missiles						
Amphibious Vehicles	126	1,106	<980>	143.3	305.4	*<162.1>
Combat Vehicles	105	1,400	<1,295>	35.7	98.0	*<62.3>
Auto. Eqmt						
Tactical Vehicles	848	2,952	<2,104>	335.6	341.7	*<6.1>
Construction Equipment	4,869	465	4,404	140.0	54.3	*85.7
Electronics & Comm Systems	9,634	7,020	2,614	217.0	145.7	*71.3
Ordn, Wpns & Munitions	14,253	14,033	220	172.9	29.7	*143.2
General Purpose Eqmt	0	1,756	<1,756>	0	32.2	*<32.2>
Other End Items	0	9,323	<9,323>	0	208.1	*<208.1>
Total:	29,835	38,055	<8,220>	1,044.5	1,215.1	*<170.6>
School Training	Predicted Workload	Maximum Potential	Variance	Predicted Workload	Maximum Potential	Variance
Student Totals:	529	680	<151>	529	680	<151>

*** As directed, variances are calculated using the MAXIMUM POTENTIAL from Table #3 of Sections 1 through 11. In Table #3, the Marine Corps Multi-Commodity Maintenance Center is configured to execute the corresponding FY's PREDICTED WORKLOAD (total funded workload). The flexible Center could easily re-configure to zero-out core variances; however, that would be in conflict with Section 12.2 guidance. The TOTAL row of this table is the only true variance for the Center.**

Activity: M67004

12. Workload Summary, continued

Table 12.2.b **Core Workload Variance FY 1996**

FY 1996 Commodity Group	* Units Throughput			* DLMHs (000s)		
	Predicted Workload	Maximum Potential	Variance	Predicted Workload	Maximum Potential	Variance
Missiles						
Amphibious Vehicles	152	1,354	<1,202>	126.5	345.2	*<218.7>
Combat Vehicles	118	1,241	<1,123>	49.6	49.8	*<0.2>
Automotive Equipment						
Tactical Vehicles	935	3,081	<2,146>	346.4	431.7	*<85.3>
Construction Equipment	231	364	<133>	132.0	17.4	*114.6
Electronics & Comm Systems	7,774	8,167	<393>	152.9	130.2	*22.7
Ordn, Wpns & Munitions	12,990	12,647	343	245.8	64.8	*181.0
General Purpose Eqmt	0	1,897	<1,897>	0	13.6	*<13.6>
Other End Items	0	6,469	<6,469>	0	162.4	*<162.4>
Total:	22,200	35,220	<13,020>	1,053.2	1,215.1	*<161.9>
Formal School Training	Predicted Workload	Maximum Potential	Variance	Predicted Workload	Maximum Potential	Variance
Student Totals:	592	680	<88>	592	680	<88>

*** As directed, variances are calculated using the MAXIMUM POTENTIAL from Table #3 of Sections 1 through 11. In Table #3, the Marine Corps Multi-Commodity Maintenance Center is configured to execute the corresponding FY's PREDICTED WORKLOAD (total funded workload). The flexible Center could easily re-configure to zero-out core variances; however, that would be in conflict with Section 12.2 guidance. The TOTAL row of this table is the only true variance for the Center.**

12. Workload Summary, continued

Table 12.2.c: **Core Workload Variance FY 1997**

FY 1997 Commodity Group	* Units Throughput			* DLMHs (000s)		
	Predicted Workload	Maximum Potential	Variance	Predicted Workload	Maximum Potential	Variance
Missiles						
Amphibious Vehicles	151	1,276	<1,125>	127.8	328.1	*<200.3>
Combat Vehicles	119	1,161	<1,042>	49.6	46.5	*3.1
Automotive Equipment						
Tactical Vehicles	997	2,956	<1,959>	371.9	437.0	*<65.1>
Construction Equipment	322	370	<48>	130.6	53.0	*77.6
Electronics & Comm Systems	7,841	7,752	89	157.5	127.1	*30.4
Ordn, Wpns & Munitions	12,924	11,787	1,137	245.7	60.1	*185.6
General Purpose Eqmt		1,776	<1,776>		11.4	*<11.4>
Other End Items		6,050	<6,050>		151.9	*<151.9>
Total:	22,354	33,128	<10,774>	1083.1	1,215.1	*<132.0>
Formal School Training	Predicted Workload	Maximum Potential	Variance	Predicted Workload	Maximum Potential	Variance
Student Totals:	598	680	<82>	598	680	<82>

*** As directed, variances are calculated using the MAXIMUM POTENTIAL from Table #3 of Sections 1 through 11. In Table #3, the Marine Corps Multi-Commodity Maintenance Center is configured to execute the corresponding FY's PREDICTED WORKLOAD (total funded workload). The flexible Center could easily re-configure to zero-out core variances; however, that would be in conflict with Section 12.2 guidance. The TOTAL row of this table is the only true variance for the Center.**

12. **Workload Summary, continued**

Table 12.2.d: **Core Workload Variance FY 1998**

FY 1998 Commodity Group	* Units Throughput			* DLMHs (000s)		
	Predicted Workload	Maximum Potential	Variance	Predicted Workload	Maximum Potential	Variance
Missiles						
Amphibious Vehicles	156	1,270	<1,114>	126.4	317.7	*<191.3>
Combat Vehicles	118	1,140	<1,022>	49.6	45.7	*3.9
Automotive Equipment						
Tactical Vehicles	947	3,030	<2,083>	342.4	490.5	*<148.1>
Construction Equipment	189	363	<174>	122.9	52.0	*70.9
Electronics & Comm Systems	2,918	6,692	<3,774>	122.0	90.0	*32.0
Ordn, Wpns & Munitions	13,093	11,577	1,516	245.8	59.0	*186.8
General Purpose Eqmt	0	1,724	<1,724>	0	11.1	*<11.1>
Other End Items	0	5,937	<5,937>	0	149.1	*<149.1>
Total:	17,421	31,733	<14,312>	1,009.1	1,215.1	*<206.0>
Formal School Training	Predicted Workload	Maximum Potential	Variance	Predicted Workload	Maximum Potential	Variance
Student Totals:	598	680	<82>	598	680	<82>

*** As directed, variances are calculated using the MAXIMUM POTENTIAL from Table #3 of Sections 1 through 11. In Table #3, the Marine Corps Multi-Commodity Maintenance Center is configured to execute the corresponding FY's PREDICTED WORKLOAD (total funded workload). The flexible Center could easily re-configure to zero-out core variances; however, that would be in conflict with Section 12.2 guidance. The TOTAL row of this table is the only true variance for the Center.**

12. Workload Summary, continued

Table 12.2.e: **Core Workload Variance FY 1999**

FY 1999 Commodity Group	* Units Throughput			* DLMHs (000s)		
	Predicted Workload	Maximum Potential	Variance	Predicted Workload	Maximum Potential	Variance
Missiles						
Amphibious Vehicles	155	1,166	<1,011>	126.4	291.6	*<165.2>
Combat Vehicles	131	1,047	<916>	49.6	42.4	*7.2
Automotive Equipment						
Tactical Vehicles	1,038	3,021	<1,983>	333.9	501.7	*<167.8>
Construction Equipment	311	329	<18>	154.7	38.0	*116.7
Electronics & Comm Systems	3,269	5,876	<2,607>	147.7	101.4	*46.3
Ordn, Wpns & Munitions	12,995	10,638	<2,357>	248.2	53.5	*194.7
General Purpose Eqmt		1,668	<1,668>	0	49.6	*<49.6>
Other End Items		5,451	<5,451>	0	136.9	*<136.9>
Total:	17,899	29,196	<11,297>	1,060.5	1,215.1	*<154.6>
Formal School Training	Predicted Workload	Maximum Potential	Variance	Predicted Workload	Maximum Potential	Variance
Student Totals:	598	680	<82>	598	680	<82>

*** As directed, variances are calculated using the MAXIMUM POTENTIAL from Table #3 of Sections 1 through 11. In Table #3, the Marine Corps Multi-Commodity Maintenance Center is configured to execute the corresponding FY's PREDICTED WORKLOAD (total funded workload). The flexible Center could easily re-configure to zero-out core variances; however, that would be in conflict with Section 12.2 guidance. The TOTAL row of this table is the only true variance for the Center.**

12. Workload Summary, continued

Table 12.2.f: **Core Workload Variance FY 2000**

FY 2000 Commodity Group	* Units throughput			* DLMHs (000s)		
	Predicted Workload	Maximum Potential	Variance	Predicted Workload	Maximum Potential	Variance
Missiles						
Amphibious Vehicles	155	1,166	<1,011>	126.4	291.6	*<165.2>
Combat Vehicles	131	1,047	<916>	49.6	42.4	*7.2
Automotive Equipment						
Tactical Vehicles	1,038	3,021	<1,983>	333.9	501.7	*<167.8>
Construction Equipment	311	329	<18>	154.7	38.0	*116.7
Electronics & Comm Systems	3,269	5,876	<2,607>	147.7	101.4	*46.3
Ordn, Wpns & Munitions	12,995	10,638	2,357	248.2	53.5	*194.7
General Purpose Eqmt		1,668	<1,668>		49.6	*<49.6>
Other End Items		5,451	<5,451>		136.9	*<136.9>
Total:	17,899	29,196	<11,297>	1,060.5	1,215.1	*<154.6>
Formal School Training	Predicted Workload	Maximum Potential	Variance	Predicted Workload	Maximum Potential	Variance
Student Totals:	598	680	<82>	598	680	<82>

*** As directed, variances are calculated using the MAXIMUM POTENTIAL from Table #3 of Sections 1 through 11. In Table #3, the Marine Corps Multi-Commodity Maintenance Center is configured to execute the corresponding FY's PREDICTED WORKLOAD (total funded workload). The flexible Center could easily re-configure to zero-out core variances; however, that would be in conflict with Section 12.2 guidance. The TOTAL row of this table is the only true variance for the Center.**

12. Workload Summary, continued

Table 12.2.g: **Core Workload Variance FY 2001**

FY 2001 Commodity Group	* Units Throughput			* DLMHs (000s)		
	Predicted Workload	Maximum Potential	Variance	Predicted Workload	Maximum Potential	Variance
Missiles						
Amphibious Vehicles	155	1,166	<1,011>	126.4	291.6	*<165.2>
Combat Vehicles	131	1,047	<916>	49.6	42.4	*7.2
Automotive Equipment						
Tactical Vehicles	1,038	3,021	<1,983>	333.9	501.7	*<167.8>
Construction Equipment	311	329	<18>	154.7	38.0	*116.7
Electronics & Comm Systems	3,269	5,876	<2,607>	147.7	101.4	*46.3
Ordn, Wpns & Munitions	12,995	10,638	2,357	248.2	53.5	*194.7
General Purpose Eqmt		1,668	<1,668>		49.6	*<49.6>
Other End Items		5,451	<5,451>		136.9	*<136.9>
Total:	17,899	29,196	<11,297>	1,060.5	1,215.1	*<154.6>
Formal School Training	Predicted Workload	Maximum Potential	Variance	Predicted Workload	Maximum Potential	Variance
Student Totals:	598	680	<82>	598	680	<82>

*** As directed, variances are calculated using the MAXIMUM POTENTIAL from Table #3 of Sections 1 through 11. In Table #3, the Marine Corps Multi-Commodity Maintenance Center is configured to execute the corresponding FY's PREDICTED WORKLOAD (total funded workload). The flexible Center could easily re-configure to zero-out core variances; however, that would be in conflict with Section 12.2 guidance. The TOTAL row of this table is the only true variance for the Center.**

(REVISED 16 JUNE 1994)
12. Workload Summary, continued

12.3 Workload Profile. The answers to this section should be a consolidated and comprehensive total program roll-up by the organization that allocated workload for the Marine Corps. Complete the tables below with the total annual Marine Corps Logistics Base level work performed (all appropriations) by MCLBs, by non-MCLB DON entities, by non-DON DoD (interservice) entities, and commercial entities.

Table 12.3.a: **MCLB Workload Profile - *FY 1993***

Commodity Type	* FY 1993 Workload ($ K)				
	MCLBs	non-MCLB DON	non-DON DOD	Commercial Entity	TOTAL
Missiles	7,192	229.1	1,167.2		8,588.3
Amphibious Vehicles	33,253.7				33,253.7
Combat Vehicles	8,516.7				8,516.7
Ships	177				177
Tactical Vehicles	40,324.4				40,324.4
Construction Equipment	5,724.6				5,724.6
Electronics & Comm Systems	16,389.4	15.2	2,371.4	3,216.2	21,992.2
Ordn, Wpns & Munitions	5,168.7	144.7	684.3		5,997.7
General Purpose Eqmt	4,636.9		5,042.8	7.4	9,687.1
Other End Items	9,470.5				9,470.5
Training					
TOTAL:	130,853.9	389.0	9,265.7	3,223.6	143,732.2

NOTE: *Dollars identified in this table are:
a. MCLB - Total workload executed at both Multi-Commodity Maintenance Centers.
b. Non-MCLB DON - Total outgoing DMISA workload to the Navy.
c. Non-DON DoD - Total outgoing DMISA workload to the Air Force and Army.
d. Commercial - Total outgoing depot maintenance contracts.

NOTE: WORKLOAD DOLLARS CANNOT BE USED FOR ANY ANALYSIS BETWEEN DEPOTS. KNOWN DIFFERENCES ARE IDENTIFIED IN THE DOD COST COMPARABILITY HANDBOOK.

NOTE: MARCORLOGBASES Maintenance Directorate allocated all Depot Level workload for the Marine Corps.

(REVISED 16 JUNE 1994)
12. Workload Summary, continued

Table 12.3.b: **MCLB Workload Profile - *FY 1994***

Commodity Type	* FY 1994 Workload ($ K)				
	MCLBs	non-MCLB DON	non-DON DoD	Commercial Entity	TOTAL
Missiles	11,255		6.4		11,261.4
Amphibious Vehicles	56,628.8				56,628.8
Combat Vehicles	15,358.1		7,669.8		23,027.9
Ships	383				383
Tactical Vehicles	40,367.6				40,367.6
Construction Equipment	5,741.6				5,741.6
Electronics & Comm Systems	21,574.1	6.8	1,060.0	1,338.8	23,979.7
Ordn, Wpns & Munitions	5,653.7	192.8		49.3	5,895.8
General Purpose Eqmt	4,853.4		17.0		4,870.4
Other End Items	13,405.7				13,405.7
Training					
TOTAL:	175,221	199.6	8,753.2	1,388.1	185,561.9

NOTE: *Dollars identified in this table are:
a. MCLB - Total workload executed at both Multi-Commodity Maintenance Centers.
b. Non-MCLB DON - Total outgoing DMISA workload to the Navy.
c. Non-DON DoD - Total outgoing DMISA workload to the Air Force and Army.
d. Commercial - Total outgoing depot maintenance contracts.

NOTE: WORKLOAD DOLLARS CANNOT BE USED FOR ANY ANALYSIS BETWEEN DEPOTS. KNOWN DIFFERENCES ARE IDENTIFIED IN THE DOD COST COMPARABILITY HANDBOOK.

NOTE: MARCORLOGBASES Maintenance Directorate allocated all Depot Level workload for the Marine Corps.

(REVISED 16 JUNE 1994)
12. Workload Summary, continued

Table 12.3.c: **MCLB Workload Profile - FY 1995**

Commodity Type	* FY 1995 Workload ($ K)				
	MCLBs	non-MCLB DON	non-DON DOD	Commercial Entity	TOTAL
Missiles	9,947		1,696.2		11,643.2
Amphibious Vehicles	51,272.4				51,272.4
Combat Vehicles	13,990.8		479.4		14,470.2
Ships	298				298
Tactical Vehicles	37,181.2				37,181.2
Construction Equipment	5,291.7				5,291.7
Electronics & Comm Systems	19,794	18.2	1,283.2	3,316.7	24,412.1
Ordn, Wpns & Munitions	5,082.7	808.0	803.5	20.1	6,714.3
General Purpose Eqmt	4,413.2				4,413.2
Other End Items	12,599				12,599
Training					
TOTAL:	159,870	826.2	4,262.3	3,336.8	168,295.3

NOTE: *Dollars identified in this table are:
a. MCLB - Total workload executed at both Multi-Commodity Maintenance Centers.
b. Non-MCLB DON - Total outgoing DMISA workload to the Navy.
c. Non-DON DoD - Total outgoing DMISA workload to the Air Force and Army.
d. Commercial - Total outgoing depot maintenance contracts.

NOTE: WORKLOAD DOLLARS CANNOT BE USED FOR ANY ANALYSIS BETWEEN DEPOTS. KNOWN DIFFERENCES ARE IDENTIFIED IN THE DOD COST COMPARABILITY HANDBOOK.

NOTE: MARCORLOGBASES Maintenance Directorate allocated all Depot Level workload for the Marine Corps.

(REVISED 16 JUNE 1994)
12. **Workload Summary, continued**

Table 12.3.d: **MCLB Workload Profile - *FY 1996***

Commodity Type	* FY 1996 Workload ($ K)				
	MCLBs	non-MCLB DON	non-DON DOD	Commercial Entity	TOTAL
Missiles	2,700.5	104.1	13,044.4		15,849.0
Amphibious Vehicles	54,596.1				54,596.1
Combat Vehicles	8,699.6		4,605.1		13,304.7
Ships	1,308.4				1,308.4
Tactical Vehicles	64,129.6				64,129.6
Construction Equipment	5,744.4				5,744.4
Electronics & Comm Systems	17,784.1		2,531.2	1,688.1	22,003.4
Ordn, Wpns & Munitions	7,135	1,339.8	627.2	36.7	9,138.7
General Purpose Eqmt	1,663		196.1		1,859.1
Other End Items	9,687.3				9,687.3
Training					
TOTAL:	173,448	1,443.9	21,004.0	1,724.8	197,620.7

NOTE: *Dollars identified in this table are:
a. MCLB - Total workload executed at both Multi-Commodity Maintenance Centers.
b. Non-MCLB DON - Total outgoing DMISA workload to the Navy.
c. Non-DON DoD - Total outgoing DMISA workload to the Air Force and Army.
d. Commercial - Total outgoing depot maintenance contracts.

NOTE: WORKLOAD DOLLARS CANNOT BE USED FOR ANY ANALYSIS BETWEEN DEPOTS. KNOWN DIFFERENCES ARE IDENTIFIED IN THE DOD COST COMPARABILITY HANDBOOK.

NOTE: MARCORLOGBASES Maintenance Directorate allocated all Depot Level workload for the Marine Corps.

(REVISED 16 JUNE 1994)
12. Workload Summary, continued

Table 12.3.e: **MCLB Workload Profile - *FY 1997***

Commodity Type	* FY 1997 Workload ($ K)				
	MCLBs	non-MCLB DON	non-DON DOD	Commercial Entity	TOTAL
Missiles	2,488.4	104.0	19,402.9		11,995.3
Amphibious Vehicles	54,630.3				54,630.3
Combat Vehicles	9,301.4		4,606.0		13,907.4
Ships	1,229.7				1,229.7
Tactical Vehicles	69,229.2				69,229.2
Construction Equipment	12,243.2				12,243.2
Electronics & Comm Systems	17,416.4		2,699.9	1,574.2	21,690.5
Ordn, Wpns & Munitions	7,099.6	1,339.8	627.2	36.7	9,103.3
General Purpose Eqmt	1,663				1,663.0
Other End Items	9,687.3				9,687.3
Training					
TOTAL:	184,988.5	1,443.8	17,336.0	1,610.9	205,379.2

NOTE: *Dollars identified in this table are:
a. MCLB - Total workload executed at both Multi-Commodity Maintenance Centers.
b. Non-MCLB DON - Total outgoing DMISA workload to the Navy.
c. Non-DON DoD - Total outgoing DMISA workload to the Air Force and Army.
d. Commercial - Total outgoing depot maintenance contracts.

NOTE: WORKLOAD DOLLARS CANNOT BE USED FOR ANY ANALYSIS BETWEEN DEPOTS. KNOWN DIFFERENCES ARE IDENTIFIED IN THE DOD COST COMPARABILITY HANDBOOK.

NOTE: MARCORLOGBASES Maintenance Directorate allocated all Depot Level workload for the Marine Corps.

(REVISED 16 JUNE 1994)
12. Workload Summary, continued

Table 12.3.f: **MCLB Workload Profile - *FY 1998***

Commodity Type	* FY 1998 Workload ($ K)				
	MCLBs	non-MCLB DON	non-DON DOD	Commercial Entity	TOTAL
Missiles	2,488.4		8,933.4		11,421.8
Amphibious Vehicles	54,659.3				54,659.3
Combat Vehicles	8,800.1		4,606.0		13,406.1
Ships	1,179.1				1,179.1
Tactical Vehicles	79,736.7				79,736.7
Construction Equipment	12,205.4				12,205.4
Electronics & Comm Systems	15,015.3		2,638.4	1,548.3	19,202.0
Ordn, Wpns & Munitions	7,090.8	969.9	627.2	36.7	8,724.6
General Purpose Eqmt	1,431.4				1,431.4
Other End Items	9,687.3				9,687.3
Training					
TOTAL:	192,293.8	969.9	16,805.0	1,585.0	211,653.7

NOTE: *Dollars identified in this table are:
a. MCLB - Total workload executed at both Multi-Commodity Maintenance Centers.
b. Non-MCLB DON - Total outgoing DMISA workload to the Navy.
c. Non-DON DoD - Total outgoing DMISA workload to the Air Force and Army.
d. Commercial - Total outgoing depot maintenance contracts.

NOTE: WORKLOAD DOLLARS CANNOT BE USED FOR ANY ANALYSIS BETWEEN DEPOTS. KNOWN DIFFERENCES ARE IDENTIFIED IN THE DOD COST COMPARABILITY HANDBOOK.

NOTE: MARCORLOGBASES Maintenance Directorate allocated all Depot Level workload for the Marine Corps.

(REVISED 16 JUNE 1994)
12. **Workload Summary, continued**

Table 12.3.g: **MCLB Workload Profile - *FY 1999***

Commodity Type	* FY 1999 Workload ($ K)				
	MCLBs	non-MCLB DON	non-DON DOD	Commercial Entity	TOTAL
Missiles	2,351	104.2	9,133.8		11,589.0
Amphibious Vehicles	54,659.3				54,659.3
Combat Vehicles	6,197.6		4,606.0		10,803.6
Ships	1,138.3				1,138.3
Tactical Vehicles	90,569.1				90,569.1
Construction Equipment	4,862.9				4,862.9
Electronics & Comm Systems	15,838.1		1,769.1	1,798.7	19,405.9
Ordn, Wpns & Munitions	6,118.7	970.0	627.9	36.7	7,753.3
General Purpose Eqmt	4,922.1		397.6		5,319.7
Other End Items	9,687.3				9,687.3
Training					
TOTAL:	196,344.4	1,074.2	16,534.4	1,835.4	215,788.4

NOTE: *Dollars identified in this table are:
a. MCLB - Total workload executed at both Multi-Commodity Maintenance Centers.
b. Non-MCLB DON - Total outgoing DMISA workload to the Navy.
c. Non-DON DoD - Total outgoing DMISA workload to the Air Force and Army.
d. Commercial - Total outgoing depot maintenance contracts.

NOTE: WORKLOAD DOLLARS CANNOT BE USED FOR ANY ANALYSIS BETWEEN DEPOTS. KNOWN DIFFERENCES ARE IDENTIFIED IN THE DOD COST COMPARABILITY HANDBOOK.

NOTE: MARCORLOGBASES Maintenance Directorate allocated all Depot Level workload for the Marine Corps.

(REVISED 16 JUNE 1994)
12. **Workload Summary, continued**

Table 12.3.h: **MCLB Workload Profile - *FY 2000***

Commodity Type	* FY 2000 Workload ($ K)				
	MCLBs	non-MCLB DON	non-DON DOD	Commercial Entity	TOTAL
Missiles	2,394.1	104.2	9,133.8		11,632.1
Amphibious Vehicles	55,504.0				55,504.0
Combat Vehicles	6,234.9		4,606.0		10,840.9
Ships	1,172.5				1,172.5
Tactical Vehicles	91,615.4				91,615.4
Construction Equipment	4,907.5				4,907.5
Electronics & Comm Systems	15,840.4		1,769.1	1,798.7	19,408.2
Ordn, Wpns & Munitions	6,181.8	970.0	627.9	36.7	7,816.4
General Purpose Eqmt	4,922.1		397.6		5,319.7
Other End Items	9,687.3				9,687.3
Training					
TOTAL:	198,460.0	1,074.2	16,534.4	1,835.4	217,904.4

NOTE: *Dollars identified in this table are:
a. MCLB - Total workload executed at both Multi-Commodity Maintenance Centers.
b. Non-MCLB DON - Total outgoing DMISA workload to the Navy.
c. Non-DON DoD - Total outgoing DMISA workload to the Air Force and Army.
d. Commercial - Total outgoing depot maintenance contracts.

NOTE: WORKLOAD DOLLARS CANNOT BE USED FOR ANY ANALYSIS BETWEEN DEPOTS. KNOWN DIFFERENCES ARE IDENTIFIED IN THE DOD COST COMPARABILITY HANDBOOK.

NOTE: MARCORLOGBASES Maintenance Directorate allocated all Depot Level workload for the Marine Corps.

(REVISED 16 JUNE 1994)
12. Workload Summary, continued

Table 12.3.i: **MCLB Workload Profile - *FY 2001***

Commodity Type	* FY 2001 Workload ($ K)				
	MCLBs	non-MCLB DON	non-DON DOD	Commercial Entity	TOTAL
Missiles	2,438.4	104.2	9,133.8		11,676.4
Amphibious Vehicles	56,373.9				56,373.9
Combat Vehicles	6,273.5		4,606.0		10,879.5
Ships	1,207.7				1,207.7
Tactical Vehicles	92,693				92,693
Construction Equipment	4,953.6				4,953.6
Electronics & Comm Systems	15,842.7		1,769.1	1,798.7	19,410.5
Ordn, Wpns & Munitions	6,240.7	970.0	627.9	36.7	7,875.3
General Purpose Eqmt	4,922.1		397.6		5,319.7
Other End Items	94,450.2				94,450.2
Training					
TOTAL:	285,395.8	1,074.2	16,534.4	1,835.4	304,839.8

NOTE: *Dollars identified in this table are:
a. MCLB - Total workload executed at both Multi-Commodity Maintenance Centers.
b. Non-MCLB DON - Total outgoing DMISA workload to the Navy.
c. Non-DON DoD - Total outgoing DMISA workload to the Air Force and Army.
d. Commercial - Total outgoing depot maintenance contracts.

NOTE: WORKLOAD DOLLARS CANNOT BE USED FOR ANY ANALYSIS BETWEEN DEPOTS. KNOWN DIFFERENCES ARE IDENTIFIED IN THE DOD COST COMPARABILITY HANDBOOK.

NOTE: MARCORLOGBASES Maintenance Directorate allocated all Depot Level workload for the Marine Corps.

12. Workload Summary, continued

12.4 Interservicing Candidates. Specify depot workload programs that are likely candidates for interservicing, both internal to and external to the MCLBs. Provide detailed supporting data for your recommendations.

Long lead times for acquisition of repair parts due to low quantity buys inhibit maintenance throughput of these interservicing candidates.

Consolidation of candidate workloads would allow a designated source of repair an adequate unit count on which to base higher quantity repair parts projects to the DoD Supply System.

a.	NSN 3930-01-275-6420	4000LB Forklift	B2566
b.	NSN 3805-01-279-3635	Tractor Tram	B2567
c.	NSN 3805-01-153-1854	Scraper	B1922

12. Workload Summary, continued

12.5 Core Requirements. Given the current programmed configuration and operation of the MCLBs, provide the projected core workload, directed workload, core "plus" workload, and workload required to be retained to meet the Secretary of the Navy's Title 10 responsibilities. Within each Fiscal Year (FY) requested, provide your response in units of throughput (where applicable) and Direct Labor Man Hours (DLMHs). Summarize the entries for Core Workload from the responses to Sections 1 through 11 of the Capacity Data Call. Core Workload includes all Core work performed for other Military Departments. The following definitions and instructions apply:

- Core Workload calculations are to be performed in accordance with the Office of the Under Secretary of Defense (Logistics) (OUSD(L)) Memorandum dated 15 November 1993 (subject: "Policy for Maintaining Core Depot Maintenance Capability").

- Directed Workload includes: Foreign Military Sales (FMS); Low Quantity Non-Core; Low Quantity Above Core; Best Value; Engineering Support; and Last Source of Repair. Directed Workload is tabulated in Section 12.6 following.

- Core Plus Workload is the sum of Core Workload and Directed Workload.

- Title 10 Workload is that portion of Core Workload that must be retained within the Department of the Navy in order to meet the Secretary of the Navy's responsibilities.

12. Workload Summary, continued

* Table 12.5.a: **Core Workload Requirements *FY 1994***

FY 1994 Commodity Type	Core Workload							
	Core Workload		*Directed Workload		Core "Plus" Workload		Title 10 Workload	
	Units	DLMH (000s)	Units	DLMH (000s)	Units	DLMH (000s)	Units	DLMH (000s)
Missiles								
Amphibious Vehicles	126	143.3	870	30.3	996	173.6	126	143.3
Combat Vehicles	140	35.2	1,274	19.2	1,414	54.4	140	35.2
Automotive Equipment								
Tactical Vehicles	806	335.6	2,384	112.1	3,190	447.7	806	335.6
Construction Equipment	188	140.0	399	19.2	587	159.2	188	140
Electronics & Comm Systems	9,243	216.6	2,779	32.4	12,022	249	5,638	132.2
Ordn, Wpns & Munitions	16,182	173.0	1,692	9.2	17,874	182.2	16,182	173.0
General Purpose Eqmt			2,056	13.3	2,056	13.3		
Other End Items			4,748	122.5	4,748	122.5		
Training								
Total:	26,685	1,043.7	16,202	358.2	42,887	1,401.9	23,080	959.3

* **Units and DLMHs include work performed for the Army and Air Force.**

Activity: M67004

12. Workload Summary, continued

* Table 12.5.b: **Core Workload Requirements *FY 1995***

FY 1995 Commodity Type	Core Workload							
	Core Workload		*Directed Workload		Core "Plus" Workload		Title 10 Workload	
	Units	DLMH (000s)	Units	DLMH (000s)	Units	DLMH (000s)	Units	DLMH (000s)
Missiles								
Amphibious Vehicles	126	143.3	870	30.3	996	173.6	126	143.3
Combat Vehicles	105	35.7	1,274	19.2	1,379	54.9	105	35.7
Automotive Equipment								
Tactical Vehicles	848	335.6	2,384	112.1	3,232	447.7	848	335.6
Construction Equipment	4,869	140.0	399	19.2	5,268	159.2	4,869	140.0
Electronics & Comm Systems	9,634	216.6	2,779	32.4	12,413	249.0	5,877	132.2
Ordn, Wpns & Munitions	14,253	172.9	1,692	9.2	15,945	182.1	14,253	172.9
General Purpose Eqmt			2,056	13.3	2,056	13.3		
Other End Items			1,029	80.0	1,029	80.0		
Training								
Total:	29,835	1,044.1	12,483	315.7	42,318	1,359.8	26,078	959.7

* **Units and DLMHs include work performed for the Army and Air Force.**

Activity: M67004

12. Workload Summary, continued

* Table 12.5.c: **Core Workload Requirements *FY 1996***

FY 1996 Commodity Type	Core Workload							
	Core Workload		*Directed Workload		Core "Plus" Workload		Title 10 Workload	
	Units	DLMH (000s)	Units	DLMH (000s)	Units	DLMH (000s)	Units	DLMH (000s)
Missiles								
Amphibious Vehicles	152	126.5	870	28.3	1,022	154.8	152	126.5
Combat Vehicles	118	49.6	1,274	19.2	1,392	68.8	118	49.6
Automotive Equipment								
Tactical Vehicles	935	346.4	2,384	98.4	3,319	444.8	935	346.4
Construction Equipment	231	132.0	399	19.1	630	151.1	231	132.0
Electronics & Comm Systems	7,774	152.9	2,779	31.5	10,553	184.4	3,498	68.5
Ordn, Wpns & Munitions	12,990	245.8	1,692	8.5	14,682	254.3	12,990	245.8
General Purpose Eqmt			2,056	13.3	2,056	13.3		
Other End Items			4,953	125.8	4,953	125.8		
Training								
Total:	22,200	1,053.2	16,407	344.1	38,607	1,397.3	17,924	968.8

* **Units and DLMHs include work performed for the Army and Air Force.**

Activity: M67004

12. Workload Summary, continued

* Table 12.5.d: **Core Workload Requirements *FY 1997***

FY 1997 Commodity Type	Core Workload							
	Core Workload		*Directed Workload		Core "Plus" Workload		Title 10 Workload	
	Units	DLMH (000s)	Units	DLMH (000s)	Units	DLMH (000s)	Units	DLMH (000s)
Missiles								
Amphibious Vehicles	151	127.8	870	28.3	1,021	156.1	151	127.8
Combat Vehicles	119	49.6	1,274	19.2	1,393	68.8	119	49.6
Automotive Equipment								
Tactical Vehicles	997	371.9	2,384	98.4	3,381	470.3	997	371.9
Construction Equipment	322	130.6	399	19.1	721	149.7	322	130.6
Electronics & Comm Systems	7,841	157.5	2,779	31.5	10,620	189.0	3,607	73.1
Ordn, Wpns & Munitions	12,924	245.7	1,692	8.5	14,616	254.2	12,924	245.7
General Purpose Eqmt			2,056	13.3	2,056	13.3		
Other End Items			5,028	131.6	5,028	131.6		
Training								
Total:	22,354	1,083.1	16,482	349.9	38,836	1,433.0	18,120	998.7

* **Units and DLMHs include work performed for the Army and Air Force.**

12. Workload Summary, continued

* Table 12.5.e: **Core Workload Requirements *FY 1998***

FY 1998 Commodity Type	Core Workload							
	Core Workload		Directed Workload		Core "Plus" Workload		Title 10 Workload	
	Units	DLMH (000s)	Units	DLMH (000s)	Units	DLMH (000s)	Units	DLMH (000s)
Missiles								
Amphibious Vehicles	156	126.4	988	47.2	1,144	173.6	156	126.4
Combat Vehicles	118	49.6	1,274	19.2	1,392	68.8	118	49.6
Automotive Equipment								
Tactical Vehicles	947	342.4	2,384	98.4	3,331	440.8	947	342.4
Construction Equipment	189	122.9	399	19.1	588	142.0	189	122.9
Electronics & Comm Systems	2,918	122.0	5,010	52.7	7,928	174.7	905	37.6
Ordn, Wpns & Munitions	13,093	245.8	1,692	8.5	14,785	254.3	13,093	245.8
General Purpose Eqmt			2,056	13.3	2,056	13.3		
Other End Items			6,671	177.7	6,671	177.7		
Training								
Total:	17,421	1,009.1	20,474	436.1	37,895	1,445.2	15,408	924.7

* **Units and DLMHs include work performed for the Army and Air Force.**

12. Workload Summary, continued

* Table 12.5.f: **Core Workload Requirements *FY 1999***

FY 1999 Commodity Type	Core Workload							
	Core Workload		Directed Workload		Core "Plus" Workload		Title 10 Workload	
	Units	DLMH (000s)	Units	DLMH (000s)	Units	DLMH (000s)	Units	DLMH (000s)
Missiles								
Amphibious Vehicles	155	126.4	1,158	74.5	1,313	200.9	155	126.4
Combat Vehicles	131	49.6	1,274	19.2	1,405	68.8	131	49.6
Automotive Equipment								
Tactical Vehicles	1,038	333.9	2,384	98.4	3,422	432.4	1,038	333.9
Construction Equipment	311	154.7	399	19.1	710	173.8	311	154.7
Electronics & Comm Systems	3,269	147.7	4,780	54.2	8,049	201.9	1,406	63.3
Ordn, Wpns & Munitions	12,995	248.2	1,692	8.5	14,687	256.7	12,995	248.2
General Purpose Eqmt			2,056	13.3	2,056	13.3		
Other End Items			6,671	173.5	6,671	173.5		
Training								
Total:	17,899	1,060.5	20,414	460.7	38,313	1,521.5	16,036	976.1

* **Units and DLMHs include work performed for the Army and Air Force.**

12. Workload Summary, continued

* Table 12.5.g: **Core Workload Requirements *FY 2000***

FY 2000 Commodity Type	Core Workload							
	Core Workload		Directed Workload		Core "Plus" Workload		Title 10 Workload	
	Units	DLMH (000s)	Units	DLMH (000s)	Units	DLMH (000s)	Units	DLMH (000s)
Missiles								
Amphibious Vehicles	155	126.4	1,158	74.5	1,313	200.9	155	126.4
Combat Vehicles	131	49.6	1,274	19.2	1,405	68.8	131	49.6
Automotive Equipment								
Tactical Vehicles	1,038	333.9	2,384	98.4	3,422	432.4	1,038	333.9
Construction Equipment	311	154.7	399	19.1	710	173.8	311	154.7
Electronics & Comm Systems	3,269	147.7	4,780	54.2	8,049	201.9	1,406	63.3
Ordn, Wpns & Munitions	12,995	248.2	1,692	8.5	14,687	256.7	12,995	248.2
General Purpose Eqmt			2,056	13.3	2,056	13.3		
Other End Items			6,671	173.5	6,671	173.5		
Training								
Total:	17,899	1,060.5	20,414	460.7	38,313	1,521.3	16,036	976.1

* **Units and DLMHs include work performed for the Army and Air Force.**

Activity: M67004

12. Workload Summary, continued

* Table 12.5.h: **Core Workload Requirements *FY 2001***

FY 2001 Commodity Type	Core Workload							
	Core Workload		Directed Workload		Core "Plus" Workload		Title 10 Workload	
	Units	DLMH (000s)	Units	DLMH (000s)	Units	DLMH (000s)	Units	DLMH (000s)
Missiles								
Amphibious Vehicles	155	126.4	1,158	74.5	1,313	200.9	155	126.4
Combat Vehicles	131	49.6	1,274	19.2	1,405	68.8	131	49.6
Automotive Equipment								
Tactical Vehicles	1,038	333.9	2,384	98.4	3,422	432.4	1,038	333.9
Construction Equipment	311	154.7	399	19.1	710	173.8	311	154.7
Electronics & Comm Systems	3,269	147.7	4,780	54.2	8,049	201.9	1,406	63.3
Ordn, Wpns & Munitions	12,995	248.2	1,692	8.5	14,687	256.7	12,995	248.2
General Purpose Eqmt			2,056	13.3	2,056	13.3		
Other End Items			6,671	173.5	6,671	173.5		
Training								
Total:	17,899	1,060.5	20,414	460.7	38,313	1,521.3	16,036	976.1

* **Units and DLMHs include work performed for the Army and Air Force.**

12. Workload Summary, continued

12.6 Given the current programmed configuration and operation of the Logistics Base, provide the projected Directed Workload. Within each FY requested, provide your response in units throughput (where applicable) (Tables 12.6.a-h) and in DLMHs (Tables 12.6.i-p). The following definitions and instructions apply:

- Foreign Military Sales (FMS) includes Principle End Item, component maintenance and manufacturing support.

- Modifications (Mods) include only those modifications performed concurrently with scheduled depot level work packages constituting Core workload.

- Low Quantity Non-Core (LQNC) is that Non-Core Workload with insufficient programmed quantity for competition. This category also includes above threshold Core Workload for weapon systems which have a total projected workload greater that the computed Core quantity (Above Core Workload).

- Best Value (BV) includes items that have been offered for maintenance under competitive rules and no offerer has provided a bid equal to or better than the value provided by a current organic source.

- Engineering Support (Engr) consists of Engineering Support to field, modify, operate and maintain fielded weapon systems (i.e. RCM analysis, defining maintenance intervals, developing maintenance concepts, modification management, industrial support, investigation, maintenance bulletins, safety alerts and environmental issues).

- Last Source of Repair (LSOR) comprises Non-Core Workload which has been offered for maintenance under competitive rules and no offerer has provided a bid, and for which a workload requirement exists and the organic depot is the only remaining source of repair.

12. Workload Summary, continued

* Table 12.6.a: **Directed Workload - FY 1995**

FY 1995 Commodity Type	Directed Workload (Units Throughput)						Total
	FMS	Mods	LQNC	**BV	Engr	LSOR	
Missiles							
Amphibious Vehicles		322		466	82		870
Combat Vehicles	6			56	1,212		1,274
Automotive Equipment							
Tactical Vehicles		46		1,837	501		2,384
Construction Equipment		4		395			399
Electronics & Comm Systems	78			1,105	1,596		2,779
Ordn, Wpns & Munitions		565		436	691		1,692
General Purpose Eqmt	6			1,947	103		2,056
Other End Items				136	893		1,029
Training							

* **Units throughput includes work performed for the Army and Air Force.**

** **Best Value (BV) is interpreted to include remote storage activities supply support (i.e., care in stores, prep-for-ship,...) and Fleet Marine Forces corrosion control/CARC application programs.**

12. Workload Summary, continued

* Table 12.6.b: **Directed Workload - FY 1996**

FY 1996 Commodity Type	Directed Workload (Units Throughput)						Total
	FMS	Mods	LQNC	**BV	Engr	LSOR	
Missiles							
Amphibious Vehicles		322		466	82		870
Combat Vehicles	6			56	1,212		1,274
Automotive Equipment							
Tactical Vehicles		46		1,837	501		2,384
Construction Equipment		4		395			399
Electronics & Comm Systems	78			1,105	1,596		2,779
Ordn, Wpns & Munitions		565		436	691		1,692
General Purpose Eqmt	6			1,947	103		2,056
Other End Items				4,060	893		4,953
Training							

*** Units throughput includes work performed for the Army and Air Force.**

**** Best Value (BV) is interpreted to include remote storage activities supply support (i.e., care in stores, prep-for-ship, ...) and Fleet Marine Forces corrosion control/CARC application programs.**

12. Workload Summary, continued

* Table 12.6.c: **Directed Workload - FY 1997**

FY 1997 Commodity Type	Directed Workload (Units Throughput)						Total
	FMS	Mods	LQNC	**BV	Engr	LSOR	
Missiles							
Amphibious Vehicles		322		466	82		870
Combat Vehicles	6			56	1,212		1,274
Automotive Equipment							
Tactical Vehicles		46		1,837	501		2,384
Construction Equipment		4		395			399
Electronics & Comm Systems	78			1,105	1,596		2,779
Ordn, Wpns & Munitions		565		436	691		1,692
General Purpose Eqmt	6			1,947	103		2,056
Other End Items				4,135	893		5,028
Training							

*** Units throughput includes work performed for the Army and Air Force.**

**** Best Value (BV) is interpreted to include remote storage activities supply support (i.e., care in stores, prep-for-ship,...) and Fleet Marine Forces corrosion control/CARC application programs.**

12. Workload Summary, continued

* Table 12.6.d: **Directed Workload - FY 1998**

FY 1998 Commodity Type	Directed Workload (Units Throughput)						Total
	FMS	Mods	LQNC	**BV	Engr	LSCR	
Missiles							
Amphibious Vehicles		322	118	466	82		988
Combat Vehicles	6			56	1,212		1,274
Automotive Equipment							
Tactical Vehicles		46		1,837	501		2,384
Construction Equipment		4		395			399
Electronics & Comm Systems	78			1,105	1,596	2,231	5,010
Ordn, Wpns & Munitions		565		436	691		1,692
General Purpose Eqmt	6			1,947	103		2,056
Other End Items				5,778	893		6,671
Training							

*** Units throughput includes work performed for the Army and Air Force.**

**** Best Value (BV) is interpreted to include remote storage activities supply support (i.e., care in stores, prep-for-ship,...) and Fleet Marine Forces corrosion control/CARC application programs.**

12. Workload Summary, continued

* Table 12.6.e: **Directed Workload - FY 1999**

FY 1999 Commodity Type	Directed Workload (Units Throughput)						Total
	FMS	Mods	LQNC	**BV	Engr	LSOR	
Missiles							
Amphibious Vehicles		322	288	466	82		1,158
Combat Vehicles	6			56	1,212		1,274
Automotive Equipment							
Tactical Vehicles		46		1,837	501		2,384
Construction Equipment		4		395			399
Electronics & Comm Systems	78			1,105	1,596	2,001	4,780
Ordn, Wpns & Munitions		565		436	691		1,692
General Purpose Eqmt	6			1,947	103		2,056
Other End Items				5,778	893		6,671
Training							

* **Units throughput includes work performed for the Army and Air Force.**

** **Best Value (BV) is interpreted to include remote storage activities supply support (i.e., care in stores, prep-for-ship,...) and Fleet Marine Forces corrosion control/CARC application programs.**

12. Workload Summary, continued

* Table 12.6.f: **Directed Workload - FY 2000**

FY 2000 Commodity Type	Directed Workload (Units Throughput)						Total
	FMS	Mods	LQNC	**BV	Engr	LSOR	
Missiles							
Amphibious Vehicles		322	288	466	82		1,158
Combat Vehicles	6			56	1,212		1,274
Automotive Equipment							
Tactical Vehicles		46		1,837	501		2,384
Construction Equipment		4		395			399
Electronics & Comm Systems	78			1,105	1,596	2,001	4,780
Ordn, Wpns & Munitions		565		436	691		1,692
General Purpose Eqmt	6			1,947	103		2,056
Other End Items				5,778	893		6,671
Training							

* **Units throughput includes work performed for the Army and Air Force.**

** **Best Value (BV) is interpreted to include remote storage activities supply support (i.e., care in stores, prep-for-ship,...) and Fleet Marine Forces corrosion control/CARC application programs.**

12. Workload Summary, continued

* Table 12.6.g: **Directed Workload - FY 2001**

FY 2001 Commodity Type	Directed Workload (Units Throughput)						Total
	FMS	Mods	LQNC	**BV	Engr	LSCR	
Missiles							
Amphibious Vehicles		322	288	466	82		1,158
Combat Vehicles	6			56	1,212		1,274
Automotive Equipment							
Tactical Vehicles		46		1,837	501		2,384
Construction Equipment		4		395			399
Electronics & Comm Systems	78			1,105	1,596	2,001	4,780
Ordn, Wpns & Munitions		565		436	691		1,692
General Purpose Eqmt	6			1,947	103		2,056
Other End Items				5,778	893		6,671
Training							

* Units throughput includes work performed for the Army and Air Force.

** Best Value (BV) is interpreted to include remote storage activities supply support (i.e., care in stores, prep-for-ship,...) and Fleet Marine Forces corrosion control/CARC application programs.

12. Workload Summary, continued

* Table 12.6.h: **Directed Workload - FY 1995**

FY 1995 Commodity Type	Directed Workload (DLMHs) (000s)						Total
	FMS	Mods	LQNC	**BV	Engr	LSOR	
Missiles							
Amphibious Vehicles		2.9		13.5	13.9		30.3
Combat Vehicles	2.0			7.5	9.7		19.2
Automotive Equipment							
Tactical Vehicles		13.7		48.7	49.7		112.1
Construction Equipment		.4		18.3	.5		19.2
Electronics & Comm Systems	.8	.9		8.3	22.4		32.4
Ordn, Wpns & Munitions		.7		4.9	3.6		9.2
General Purpose Eqmt				13.3			13.3
Other End Items	.1			37.1	42.8		80.0
Training							

* **DLMHs include work performed for the Army and Air Force.**

** **Best Value (BV) is interpreted to include remote storage activities supply support (i.e., care in stores, prep-for-ship,...) and Fleet Marine Forces corrosion control/CARC application programs.**

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12. **Workload Summary, continued**

* Table 12.6.i: **Directed Workload - FY 1996**

FY 1996 Commodity Type	Directed Workload (DLMHs) (000s)						Total
	FMS	Mods	LQNC	**BV	Engr	LSCR	
Missiles							
Amphibious Vehicles		2.9		13.5	11.9		28.3
Combat Vehicles	2.0			7.5	9.7		19.2
Automotive Equipment							
Tactical Vehicles		13.7		48.7	36.0		98.4
Construction Equipment				18.6	.5		19.1
Electronics & Comm Systems	.8			8.3	22.4		31.5
Ordn, Wpns & Munitions				4.9	3.6		8.5
General Purpose Eqmt				13.3			13.3
Other End Items	.1			37.1	88.6		125.8
Training							

* **DLMHs include work performed for the Army and Air Force.**

** **Best Value (BV) is interpreted to include remote storage activities supply support (i.e., care in stores, prep-for-ship,...) and Fleet Marine Forces corrosion control/CARC application programs.**

12. Workload Summary, continued

* Table 12.6.j: **Directed Workload - FY 1997**

FY 1997 Commodity Type	Directed Workload (DLMHs) (000s)						Total
	FMS	Mods	LQNC	**BV	Engr	LSOR	
Missiles							
Amphibious Vehicles		2.9		13.5	11.9		28.3
Combat Vehicles	2.0			7.5	9.7		19.2
Automotive Equipment							
Tactical Vehicles		13.7		48.7	36.0		98.4
Construction Equipment				18.6	.5		19.1
Electronics & Comm Systems	.8			8.3	22.4		31.5
Ordn, Wpns & Munitions				4.9	3.6		8.5
General Purpose Eqmt				13.3			13.3
Other End Items	.1			37.1	94.4		131.6
Training							

* **DLMHs include work performed for the Army and Air Force.**

** **Best Value (BV) is interpreted to include remote storage activities supply support (i.e., care in stores, prep-for-ship,...) and Fleet Marine Forces corrosion control/CARC application programs.**

12. Workload Summary, continued

* Table 12.6.k: **Directed Workload - FY 1998**

FY 1998 Commodity Type	Directed Workload (DLMHs) (000s)						Total
	FMS	Mods	LQNC	**BV	Engr	LSCR	
Missiles							
Amphibious Vehicles		2.9	18.9	13.5	11.9		47.2
Combat Vehicles	2.0			7.5	9.7		19.2
Automotive Equipment							
Tactical Vehicles		13.7		48.7	36.0		98.4
Construction Equipment				18.6	.5		19.1
Electronics & Comm Systems	.8			8.3	22.4	21.2	52.7
Ordn, Wpns & Munitions				4.9	3.6		8.5
General Purpose Eqmt				13.3			13.3
Other End Items	.1			37.1	140.5		177.7
Training							

*** DLMHs include work performed for the Army and Air Force.**

**** Best Value (BV) is interpreted to include remote storage activities supply support (i.e., care in stores, prep-for-ship,...) and Fleet Marine Forces corrosion control/CARC application programs.**

12. Workload Summary, continued

* Table 12.6.1: **Directed Workload - FY 1999**

FY 1999 Commodity Type	Directed Workload (DLMHs) (000s)						Total
	FMS	Mods	LQNC	**BV	Engr	LSOR	
Missiles							
Amphibious Vehicles		2.9	46.2	13.5	11.9		74.5
Combat Vehicles	2.0			7.5	9.7		19.2
Automotive Equipment							
Tactical Vehicles		13.7		48.7	36.0		98.4
Construction Equipment				18.6	.5		19.1
Electronics & Comm Systems	.8			8.3	22.4	22.7	54.2
Ordn, Wpns & Munitions				4.9	3.6		8.5
General Purpose Eqmt				13.3			13.3
Other End Items	.1			37.1	136.3		173.5
Training							

*** DLMHs include work performed for the Army and Air Force.**

**** Best Value (BV) is interpreted to include remote storage activities supply support (i.e., care in stores, prep-for-ship,...) and Fleet Marine Forces corrosion control/CARC application programs.**

12. Workload Summary, continued

* Table 12.6.m: **Directed Workload - FY 2000**

FY 2000 Commodity Type	Directed Workload (DLMHs) (000s)						Total
	FMS	Mods	LQNC	**BV	Engr	LSDR	
Missiles							
Amphibious Vehicles		2.9	46.2	13.5	11.9		74.5
Combat Vehicles	2.0			7.5	9.7		19.2
Automotive Equipment							
Tactical Vehicles		13.7		48.7	36.0		98.4
Construction Equipment				18.6	.5		19.1
Electronics & Comm Systems	.8			8.3	22.4	22.7	54.2
Ordn, Wpns & Munitions				4.9	3.6		8.5
General Purpose Eqmt				13.3			13.3
Other End Items	.1			37.1	136.3		173.5
Training							

* **DLMHs include work performed for the Army and Air Force.**

** **Best Value (BV) is interpreted to include remote storage activities supply support (i.e., care in stores, prep-for-ship,...) and Fleet Marine Forces corrosion control/CARC application programs.**

12. Workload Summary, continued

* Table 12.6.n: **Directed Workload - FY 2001**

FY 2001 Commodity Type	Directed Workload (DLMHs) (000s)						Total
	FMS	Mods	LQNC	**BV	Engr	LSOR	
Missiles							
Amphibious Vehicles		2.9	46.2	13.5	11.9		74.5
Combat Vehicles	2.0			7.5	9.7		19.2
Automotive Equipment							
Tactical Vehicles		13.7		48.7	36.0		98.4
Construction Equipment				18.6	.5		19.1
Electronics & Comm Systems	.8			8.3	22.4	22.7	54.2
Ordn, Wpns & Munitions				4.9	3.6		8.5
General Purpose Eqmt				13.3			13.3
Other End Items	.1			37.1	136.3		173.5
Training							

* **DLMHs include work performed for the Army and Air Force.**

** **Best Value (BV) is interpreted to include remote storage activities supply support (i.e., care in stores, prep-for-ship,...) and Fleet Marine Forces corrosion control/CARC application programs.**

Activity: M67004

Features and Capabilities

13. Facility Measures / Critical Work Centers

13.1 For each of the following critical work centers and test facilities, provide the area of the facility housing for the function, in thousands of square feet (KSF). Identify the number of units (both PEIs and components) processed through the function in FY 1993. Assuming (a) that the current projected workload remains as assigned; (b) that sufficient production 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 number of units that could be processed through the work centers? What is the average backlog, expressed in units, that remain per work center? If applicable, describe in the Comment section those limiting factors (encroachment, pollutant discharge, etc.) that constrain production or affect the continuity of workload production in other work centers. If FY 1993 performance was atypical, explain in the Comment section. Add additional critical centers as appropriate.

Table 13.1.a: **Critical Work Center Facilities**

Critical Work Center	* Area (KSF)	Annual Throughput (FY 1993) (units)	Backlog (FY 1993)	Maximum Potential Throughput (Units/Yr)	Comments
Painting	53.5	6,101	0	3,293	Vehicles
Blasting	15.5	12,144	0	9,205	Vehicles
Engine Dyno	6.9	1,114	0	1,692	Engines
Trans Dyno	1.4	361	0	558	Transmissions
Veh Test Track	6 AC **	1,141	0	1,122	Vehicles
Amphib Test Pond	20	190	0	238	Vehicles
Chassis Dyno	2.4	879	0	1,110	Vehicles
Auto Transceiver Tester	.2	2,875	0	3,050	Radios
Firing Range (Function)	.4	6,916	0	6,451	Small Arms
Firing Range (Accuracy)	16.8	6,445	0	6,012	Small Arms
Firing Range (25mm)	3.2	66	0	62	25mm Guns
Load Test Facility	4	305	0	300	Vehicles

* Weapon Systems and support equipment deployed during Desert Storm were cycled through the Multi-Commodity Maintenance Center during FY-93 for corrosion control and minor repairs. Higher than normal throughput was possible because the statement of work required significantly less work than the normal IROAN/Rebuild process.

**** Acres**

Activity: M67004

Features and Capabilities

14. Facility Measures / Depot Maintenance

14.1 Identify all facilities involved with the Depot Maintenance Mission by Category Code Number (CCN) (5 digits), area in thousands of square feet (KSF) and condition.

Table 14.1.a: **Depot Maintenance Facilities**

CCN	Facility Type	Area (K SF)	Condition			Use / Comments
			Adequate	Substandard	Inadequate	
214-56	Structure	1.2	X			Drain Rack
124-65	Structure	2.8	X			Fuel Storage
411-30	Structure	.8	X			2218 Fuel Storage
125-20	Structure	5.5	X			POL Storage
214-55	Structure	4	X			Steam Clean
214-55	Building	7.1	X			Steam Clean 2236
214-55	Building	6	X			Steam Clean
213-60	Building	11.8	X			Sandblast Area 2236
213-60	Building	3.6	X			Sandblast Booths
411-30	Structure	2	X			Fuel Station
831-41	Building	3.8	X			Haz Waste Sto Fac
821-09	Building	5	X			Heat Plant (Blr Rm)
821-09	Building	.8	X			2236
218-77	Building	19.4	X			Storage
218-77	Building	20.1	X			Storage
218-77	Building	8	X			Storage
218-77	Building	6	X			Storage
218-77	Building	4.8	X			Storage
218-77	Building	1.6	X			Storage
730-25	Building	.1	X			Gate House
171-50	Building	14	X			100-Meter Range
171-50	Building	3.2	X			25mm Range
171-50	Building	2.8	X			Small Arms Range
214-20	Building	5.6	X			Dyno Facility
218-77	Buildings	86.2	X			Storage
218-77	Buildings	44.1	X			Storage
211-09	Structure	12.1	X			Bore Sight Ramp

Activity: M67004

CCN	Facility Type	Area (K SF)	Condition			Use / Comments
			Adequate	Substandard	Inadequate	
213-51	Building	12.9	X			Small Arms Repair
213-50	Building	4.5	X			Optics Repair Shop
143-70	Building	2.4	X			Nondestructive Test
740-26	Building	1.8	X			Cafeteria
217-10	Building	26.9	X			Comm/Elect Shops
213-57	Building	14.4	X			Electrics Shop
219-10	Building	2.4	X			Maint. Shop
171-10	Building	.8	X			Training Room
171-10	Building	.5	X			Training Room
171-10	Building	.7	X			Training Room
171-10	Building	.3	X			Training Room
211-80	Building	33	X			TMDE/ATSU Fac
610-10	Building	2	X			Admin. Office
610-10	Building	15.8	X			Admin. Office
610-10	Building	10.4	X			Admin. Office
610-10	Building	2.9	X			Admin. Office
740-26	Building	.7	X			Cafeteria
730-15	Building	8.1	X			Bathroom
143-70	Building	1.1	X			RADIAC Facility
218-77	Building	.2	X			Storage
141-60	Building	2.8	X			Photo Lab
310-13	Building	.9	X			Chemistry Lab
441-30	Building	2.4	X			Flammable Storage
441-30	Building	.4	X			Flammable Storage
219-30	Building	18.1	X			Painting
219-30	Building	26.8	X			Painting
219-30	Building	8.6	X			Painting
219-30	Structure	2.2	X			Undercoat Ramp
371-15	Structure	9 AC	X			LASER Range
390-14	Structure	6 AC	X			Paved Test Track
390-14	Structure	10 AC	X			Dirt Test Track
179-55	Structure	20	X			Test Pond
134-70	Structure	8.1	X			Radar Test Pad

Activity: M67004

CCN	Facility Type	Area (K SF)	Condition			Use / Comments
			Adequate	Substandard	Inadequate	
831-15	Structure	2 AC	X			Ind Waste Treat Plant
831-14	Building	.4	X			IWTP Bldg
852-10	Structure	78.1	X			Parking
852-10	Structure	39 AC	X			Hardstand
214-53	Building	239.3	X			Combat Veh Shops
910	Land	50 AC	X			Unimproved Land

14.2 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:

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

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

The Maintenance Center's capability can be increased by 100 percent with minimal expense with the addition of a second eight-hour shift. With no limits on funding or manning, the industrial infrastructure aboard MCLB Albany could be enhanced to unlimited capacity.

Because we are a Multi-Commodity Maintenance Center, the required infrastructure improvements will similarly benefit the amphibious, combat, and tactical vehicle commodity areas; construction and general purpose equipment commodity areas; ordnance, weapons, and munitions commodity area; and the other end items commodity area.

What Industrial Plant Equipment would you change (add, delete, or modify) to increase capability?

14. Facility Measures / Depot Maintenance, continued

The following Industrial Plant Equipment is being procured to improve our existing industrial capabilities and throughput:

- Crankshaft Grinder (Computer Numeric Controlled (CNC) Machine)	
- CNC Metal Brake Machine (Qty 2)	
- Computerized Drilling and Circuit Board Unit	
- Parts Retrieval Systems (Qty 4)	
- Signal Generator	(Budgeted)
- Test Set, Signal Generator	(Budgeted)
- Automatic Autocollinator	(Budgeted)
- DIT-MCO Backplane Tester	(Budgeted)
- Alternator/Generator Test Stand	(Budgeted)
- Automatic Wire Marker	(Budgeted)
- 100 KW, 60/400 Hz Load Bank	(Budgeted)

What other investments in the industrial infrastructure would you make to increase your depot maintenance capabilities?

The following infrastructure projects are either ongoing, budgeted, or planned for in order to maintain/improve our existing industrial capabilities and throughput:

- Convert five existing acres to concrete hardstand	Planned
- Construction of equipment drain rack	Budgeted
- Replacement of the vehicle undercoating rack	Budgeted
- Improved engine dynamometer facility	MILCON, under construction
- Construction of a new, improved cleaning and coating facility	MILCON, under construction
- Construction of two commercial, stand-alone paint booths	Planned
- Enhancement of Intergraph (CAD/CAM) system to achieve compatibility with Flexible Computer Integrated Manufacturing (FCIM)	Ongoing
- Enhance existing anodizing system for small arms commodities	Budgeted

Describe quantitatively how the changes above would increase your Maintenance Center's capabilities.

- The concrete hardstand improvement described above will increase the equipment staging area by 20 percent.

- The computer numeric controlled crankshaft grinder and metal brake machine will provide for increased production ranging from 30-50 percent depending upon the commodity being processed.

- Replacement of the drain rack and undercoating facilities will enhance the capability to drain and/or undercoat both wheeled and tracked vehicles year-round. In addition, environmental problems with draining vehicles will be completely eliminated.

14. Facility Measures / Depot Maintenance, continued

- The cleaning and coating facility will provide steam cleaning and abrasive blasting of wheeled and tracked vehicles and component parts in an enclosed environment. The facility will replace existing outdoor steam cleaning and abrasive blasting areas which produced airborne contaminants that affected surrounding shops and personnel.

- The engine dynamometer facility will provide six each, state-of-the-art test cells with electronic test consoles to provide more efficient IROAN diagnostic testing of engines with horsepower ranges from 250 to 1,500. The dynamometer and engine cooling water system is close-looped, reducing water usage and industrial waste treatment and costs.

- The construction of commercial paint booths will make available approximately 30,000 square feet of existing enclosed craneway for the repair/rebuild of engineer equipment and other commodity items.

- The installation of flexible integrated computer manufacturing hardware and software will enhance the integration capabilities of going from design to fabricated parts produced by welding, flame-o-graph, punching, machining, and forming by computer ties between the designer and personnel and machines creating the parts. Significant savings will be realized in fabrication of parts due to reduction of several design and programming steps presently required for the start of design to actual part completion.

- An enhanced anodizing system will increase production capability and enhance the quality of small arms items. Anodizing increases the life cycle of small arms by preventing corrosion and also provides a non-glare surface.

- The signal generator is required to test ECU and TRU Sections that have frequency ranges from 100 KHz to 2 GHz with output modulation and both AM/FM with levels from +3 dbm to -127 dbm. Equipment tested is modulation meters received from GPETE, FMF and MPF, Blount Island.

- Procurement of the signal generator test set will provide needed support to an increasing number of microwave generators, communication service analyzers, spectrum analyzers coming in from FMF, GPETE, and Blount Island. The signal generator will repair and calibrate a frequency range of 150 KHz to 18 GHz, +20 dbm to -127 dbm.

- Procurement of the automatic Autocollinator will allow calibration of many physical/dimensional standards we presently have to send to other labs for certification. The Albany Maintenance Center will also be able to increase our capabilities to support Kingsbay, SWFLANT.

- Procurement of the DIT-MCO Backplane Tester will provide the Albany Maintenance Center the capability to perform modification and apply engineering changes to the AN/TTC-42 and SB-3865 switchboard vice returning them to the manufacturer which is time consuming and costly.

- Alternator-generator test stand will replace an existing test stand that is at the end of its life cycle. The test stand is required for testing rebuilt alternators and generators prior to installation in ordnance/tactical vehicles.

- Automatic wire marker will enable the electrical shop to mark 18 AWG wire and smaller. It will print permanent circuit numbers in many places along the length of wire. Present method is to mark wires with wrap-around tape that can easily be removed and is destroyed by oil/grease contamination which causes problems with equipment diagnostic procedures.

Activity: M67004

14. Facility Measures / Depot Maintenance, continued

- The load bank is required for replacement of an existing load bank that requires excessive maintenance. The load bank is used to test 60 and 400 Hz, 100 KW generators repaired/rebuilt at the Maintenance Center. Failure to replace will result in reduced support for FMF and MPF requirements.

What are the associated costs?

Commodity Areas: amphibious, combat, tactical vehicles; construction and general purpose equipment; ordnance, weapons, and munitions commodities, and other end items equipment.

- Costs for the budgeted and planned infrastructure improvements are estimated to be $2.88M.

- The Industrial Plant Equipment identified above is being procured with FY-94 funds and is estimated to be $810K.

Commodity Area: electronic and communications systems.

- The Industrial Plant Equipment identified above is being procured with FY-94 funds and is estimated to be 614K.

What would be the payback period and return on investment?

Commodity Areas: amphibious, combat, tactical vehicles; construction and general purpose equipment; ordnance, weapons, and munitions commodities, and other end items equipment.

The payback period for both industrial plant equipment and infrastructure improvements is 14.0 years. Return on investment is 19.67 percent. The payback period and return on investment are based on information from the following sources:

Commodity Area: electronic and communications systems.

The payback period for both industrial plant equipment and infrastructure improvements is 5.2 years. Return on investment is 58.81 percent.

Payback period and ROI are based on information from the following sources:

Cost Estimating, Second Edition; Rodney D. Stewart, John Wiley and Sons, 1991

Industrial Engineering Methods and Controls; Donald R. Herzog, Restin Publishing Company, INC., 1985

14.4 Are there any environmental, legal, or otherwise limiting factors (encroachment, pollutant discharge, etc.) that inhibit further development of depot maintenance functions at this Logistics Base?

MCLB Albany enjoys unique status within DOD as an environmentally compliant facility. Albany is an attainment area for air pollutants. The Base possesses a facility-wide permit for all air emissions covering all current operations. We are presently able to operate within the limits of this permit and could go to 24 hour a day, seven day a week operation without violating air permit terms.

In addition, we have begun the process to identify all stationary sources which will require permitting under the Clean Air Act Amendments of 1990 and have met with the State of Georgia concerning this permitting process.

14. Facility Measures / Depot Maintenance, continued

A contractor has completed a study identifying our air sources and the emissions from those sources, and the state has tentatively accepted that study as an application for new permits. This process could be immediately expanded to include increased operations doubling or tripling our capacity.

We have completed construction of improvements to our Industrial Waste Treatment Plant which greatly increase the capacity of that fully permitted facility. Operations could be conducted on a 24 hour day, 365 day a year basis within the current capacity of that plant. That secondary treatment facility meets all current and proposed regulations of which this Base is aware. The effluent discharge from that facility flows to the Albany municipally owned treatment works which has ample capacity to accept increased flow.

The Base is in the unique position of possessing a storm water permit at the present time. MCLB Albany is able to increase operations while remaining within the limits of current permits. The Clean Water Act would propose no limit on our expanding operations.

MCLB Albany is in an excellent position regarding hazardous waste. The Base has newly constructed generator 90-day storage facilities which are now in operation. In addition, a collocated Defense Reutilization and Marketing Office (DRMO) accepts long term storage of hazardous waste. DRMO's Treatment, Storage, and Disposal Facility (TSDF) is fully permitted. We have capacity within our generator storage system to accept increased hazardous waste associated with increased operations tempo.

Waste minimization projects currently underway will additionally operate to reduce current hazardous waste generation levels. These two factors, coupled with the capabilities of the collocated DRMO TSDF, make it feasible for MCLB Albany to accept increased workload.

The Base enjoys excellent relationships with the Georgia Department of Natural Resources, Region IV of the Environmental Protection Agency, and the Dougherty County Clean Commission. Through the value of these established relationships, we are able to readily deal with the issues that could arise with an increased operations pace.

MCLB Albany further benefits from its fine community relations when considering and dealing with encroachment issues. There are currently no encroachment problems. An increased operations tempo would not raise other issues of encroachments.

There are ample water supplies in Southwest Georgia, no airport or airway is located prohibitively near the Base, no road development issues are under consideration and no housing developments interfere with our operations. In fact, Dougherty County is actively working to improve access to the Base and to assure that there are no conflicting uses which interfere with our mission.

MCLB Albany has removed all PCB containing transformers, capacitors, and switches from the Base. In the process of this removal, a new electrical distribution system was essentially installed. The existing system could now be considered as being only two to three years old. This new electrical distribution system is fully capable of handling the requirements which may be imposed as a result of increased operations.

MCLB Albany has removed all regulated underground storage tanks which were in a noncompliance status. The identification, location, testing, and removal of regulated tanks places MCLB Albany in an excellent position to increase operations.

Activity: M67004

Features and Capabilities

15. Facility Measures / Storage and Warehousing

15.1 Identify all facilities involved with Storage and Warehousing (both inside and outside) by Category Code Number (CCN) (5 digits), area in thousands of square feet (KSF) and condition.

Table 15.1.a: **Storage and Warehousing Facilities**

CCN	Facility Type	Area (K SF)	Condition			Use / Comments
			Adequate	Substandard	Inadequate	
441-10	COVERED GENERAL PURPOSE STORAGE (HEATED)	802	YES			802KSF INCLUDES WHSES 1220, 1230, 1231, 1241, 1340, & 1341
441-10	COVERED GENERAL PURPOSE STORAGE (UNHEATED)	408	YES			408KSF INCLUDES WHSES 1121, 1251, 1260, & 1361
441-35	COVERED STORAGE (SHED)	14	YES			14KSF INCLUDES SHED STORAGE ON THE ENDS OF WHSES 1250 & 1241.
451	OPEN STORAGE (IMPROVED)	4820	YES			ALL OPEN STORAGE LOTS IN THE INDUSTRIAL AREA
451	OPEN STORAGE (UNIMPROVED)	311	YES			ONLY REPORTING AREA ON WHICH ASSETS ARE ACTUALLY STORED

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:

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

15. Facility Measures / Storage and Warehousing, continued

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

a. Addition:

(1) STEAM/DRAIN FACILITY

Construct a vehicle steam rack with drain pit and 1,000 gallon holding tank. Equip the area with required fluid separators, lighting, sump pump, drive through covered work area, in compliance with Environmental Protection Agency (EPA) regulations. 14,000 sq.ft. of concrete holding area to accommodate tracked vehicles with weights exceeding 70 tons. Steam rack must be capable of adjusting to dimensions of vehicles similar in size to a M151A2 Jeep up to a M1A1 Tank.

Steam/drain facility would provide adequate facilities for Fleet Support Division to perform up to second echelon/preservation phases of maintenance on vehicles otherwise directed to the Marine Corps Multi-Commodity Maintenance Center (MC3) for action. Facility will bring Fleet Support Division into compliance with EPA regulations for handling/disposing of hazardous materials generated through the performance of preservation maintenance. Steam cleaning is required prior to care-in-store or application of preservatives per Mil-P-116 and Mil-V-62038e. Current capacity at the MC3 averages 6 to 8 vehicles per day. The MC3 is tasked with multiple projects other than care-in-store. Therefore, they are hard pressed to accomplish the cleaning required by regulation. Current backlog of approximately 1,200 vehicles in condition code "F" exists in Fleet Support Division that will require prescribed cleaning set forth by regulation. It is likely that, if the present method of processing these vehicles continues, the backlogged vehicles would receive inadequate preservation and processing. An addition of this facility to Fleet Support Division, combined with improvements currently in process to upgrade this area, will create a bona fide and effective maintenance shop environment and expand our ability to steam clean 25 vehicles per week, increasing our capacity by 100%.

Acquisition cost: $150,000.00. Data obtained from prior study by the Resident Officer in Charge of Construction (ROICC). Project has been designed but funding remains unavailable.

(2) MAINTENANCE TRUCKS (COMMERCIAL VEHICLE)

Dodge Ram, Model D-2162. Increase Fleet Support Division's garrison mobile equipment fleet with two additional vehicles, configured with modifications that provide an auxiliary battery pack, North Atlantic Treaty Organization (NATO) slave receptacle and 28 volt alternator package. Maintenance trucks will accommodate preventative maintenance personnel performing care-in-store on principle end items maintained by Fleet Support Division. The enhanced mobility provided by these vehicles will increase our ability to perform up to 1,880 care-in-store cycles per year.

Acquisition cost: $24,000.00 ($12,000.00 per vehicle)

15. Facility Measures / Storage and Warehousing, continued

b. Modification

(1) UPGRADE OPEN STORAGE SPACE AND ROADWAY

(a) Improve open storage lots 1439/Z62 and 1449/Z63 by removing asphalt and installing 8,300 cu.yds of 8" concrete. Improvements should include total coverage of storage lots with concrete surface to accommodate storage of tracked vehicles with weights exceeding 70 tons. Current available reinforced 8" concrete storage space is 194,995 sq.ft. Upgrade of the two storage lots would increase our capacity by 170% and provide required travel surfaces for movement of tracked vehicles to and from shop area. Upgrade of storage lots to concrete decreases the environmental impact of oil spills and leaks experienced with storage and maintenance of all wheeled or tracked vehicles.

Current sq.ft.	194,995
Z62/Z63 sq.ft.	330,196
Total sq.ft.	525,191

Acquisition cost: $1,245,000 (Based on cu.yd. costs of $130.00 for concrete and $20.00 to excavate.)

(b) Upgrade Sixth Street from Radford Boulevard to Greenleaf Street to same specifications as storage lots by removing asphalt and installing 2,504 cu.yds of 8" concrete.

Acquisition cost: $375,600.00 (Based on cu.yd. costs of $130.00 for concrete and $20.00 to excavate.)

(2) IMPROVE UNIMPROVED STORAGE LOTS

Install gravel surface to 869,000 sq.ft. of unimproved storage lots. This will increase Fleet Support Division's improved open storage space by 869,000 sq.ft. (see Table 15.1.a) and provide improved surface to store vehicles on. This will decrease costs of care-in-store cycles on vehicles by decreasing cleaning factors involved with vehicles stored on unimproved storage lots.

Acquisition cost: $380,625.00 (Install 21,750 tons of gravel at a cost of $17.50 per ton to provide a surface depth of 6".)

c. Deletion: CHILL SPACE WHSE 1241 (DESTROY/REMOVE)

Destroy/remove unused cold storage facility at Warehouse 1241, Bay 5. Cold storage area is no longer used for its intended purpose. Removal will create an additional 7,511 sq.ft. of general purpose (heated) storage space for which the full use of cubic footage could be obtained. Current configuration restricts available cube to 63,843 cu.ft. Removal of chill space would increase by 88% to 120,176 cu.ft.

Acquisition cost: $36,600.00 (Includes labor cost of $28,672.80, equipment rental of $4,600.00, and overhead profit of $3,337.20.)

15.4 Are there any environmental, legal, or otherwise limiting factors (encroachment, pollutant discharge, etc.) that inhibit further development of storage and warehousing functions at this Logistics Base?

Preliminary environmental assessment indicates that there will be no adverse environmental impact from these projects.

Activity: M67004

Features and Capabilities

16. Facility Measures / Formal Schools

16.1 Identify all facilities involved with the Training Mission by Category Code Number (CCN) (5 digits), area in thousands of square feet (KSF) and condition.

Table 16.1.a: **Formal Schools Facilities**

CCN	Facility Type	Area (K SF)	Condition			Use / Comments
			Adequate	Substandard	Inadequate	
171-10	ACADEMIC INSTRUCTION BLDG	SF	89.2			
171-20	APPLIED INSTRUCTION BLDG	SF	30.6	4.1		
171-77	TRNG MATERIAL STORAGE (MISC)	SF	6.5			

16.2 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:

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

Activity: M67004

16. Facility Measures / Formal Schools, continued

16.3 Provide the usage requirements for each course of instruction for all formal schools on your installation, by facility Category Code Number (CCN). Do not include requirements for maintaining unit readiness, GMT, sexual harassment, etc. Do include all applicable 171-xx and 179-xx CCNs. Identify each course by the Course Identification Number (CIN). In column A, report total number of student throughput experienced/programmed for that year; in column B, report the number of hours each student spends in this training facility; in column C, report the product of A x B (i.e. total student-hours required for the requested year).

Table 16.3: **Instruction Support Requirements**

CCN: _____

Type of Training Facility	CIN / School	Type of Training	FY 1993 Requirements			FY 2001 Requirements		
			A	B	AxB	A	B	AxB
ACADEMIC INSTRUCTION BLDG	M0728T1	TMDE 2871	19	1,400	26,600	28	1,400	39,200
ACADEMIC INSTRUCTION BLDG	M0728T2	TMDE 6492	77	1,400	107,800	104	1,400	145,600
ACADEMIC INSTRUCTION BLDG	M0757L1	EOOMS	83	1,280	106,240	142	1,280	181,760
ACADEMIC INSTRUCTION BLDG	M07C0Y1	BP&P	57	320	18,240	70	320	22,400
ACADEMIC INSTRUCTION BLDG	INFORMAL SCHOOL	WCC	350	240	84,000	350	240	84,000

Activity: M67004

16. Facility Measures / Formal Schools, continued

16.4 Identify the design capacities for all training facilities onboard your installation, grouping the facilities by Category Code Number (CCN). Include all 171-xx and 179-xx CCNs. Design Capacity (PN) reports the total number of seats available for students in spaces used for academic instruction, applied instruction, and seats or positions for operational trainer spaces and training facilities other than buildings (e.g. ranges). Design capacity (PN) must reflect the current use of the facilities.

Ex: For CCN 171-10, a type of training facility is an academic instruction classroom. If you have 10 classrooms type 171-10, each accommodating 25 students per room, the design capacity would be 250. If these classrooms are available 8 hours per day for 300 days each year, the maximum capability for this entry would be 600,000 in student-hours.

Table 16.4: **Training Facilities Design Capacities**

CCN: 171-10

Type of Training Facility	Total Number these Facilities	Design Capacity (PN)	Maximum Capable (Student-Hours / Year)
ACADEMIC INSTRUCTION BLDG	15	300	544,800/1994

16.5 Describe how the Student-Hours per Year values in Table 16.4 above were derived.

Eight (hours per day) X 300 (total students) X 227 (academic days) = 544,800 (student hours)

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

(1) Due to increased student capacity within fiscal year 1994, formal schools could accommodate the construction of new facilities to include both BEQ and training/instruction.

(2) No other investments in the industrial infrastructure would increase training capabilities.

(3) Assuming construction of new facilities, purchase of additional Table of Equipment and increase in instructor population, student throughput could double.

(4) BEQ Facility: $1 million per 100 students.
Training facilities: $1 million per 100 students.
Table of Equipment: dependent on curriculm of instruction.

16.7 Are there any environmental, legal, or otherwise limiting factors (encroachment, pollutant discharge, etc.) that inhibit further development of training functions at this Logistics Base?

None.

Activity: M67004

Features and Capabilities

17. Facility Measures / Personnel Support

17.1 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-E5, E6-E9, and officers).

Table 17.1: **Current Housing Facilities**

Facility Type, Bldg. # & CCN	Total # Beds	Total # Rooms	Adequate		Substandard		Inadequate	
			Beds	SF	Beds	SF	Beds	SF
721-11	337	193	337	89,071				
721-12	50	50	50	23,320				
721-13	36	36			36	9,928		
724-11	16	16	16	9,086				
724-12	6	6	6	2,272				

17.2 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-E5, E6-E9,and officers.

Table 17.2: **Projected Housing Facilities**

Facility Type, Bldg. #, & CCN	Total # Beds	Total# Rooms	Adequate		Substandard		Inadequate	
			Beds	SF	Beds	SF	Beds	SF
721-11	337	193	337	89,071				
721-12	50	50	50	23,320				
721-13	36	36			36	9,928		
724-11	16	16	16	9,086				
724-12	6	6	6	2,272				

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 in sections 17.1 through 17.2 above where inadequate facilities are identified provide the following information:

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

Activity: M67004

17. Facility Measures / Personnel Support, continued

17.4 Complete the following table for the messing facilities assigned to your current plant account.

Table 17.4: **Current Messing Facilities**

Facility Type, Bldg. #, & CCN	Total SF	Adequate		Substandard		Inadequate		Avg # Noon Meals Served
		Seats	SF	Seats	SF	Seats	SF	
722-10	23,040	270	23,040					320

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

Table 17.5: **Projected Messing Facilities**

Facility Type, Bldg. #, & CCN	Total SF	Adequate		Substandard		Inadequate		Avg # Noon Meals Served
		Seats	SF	Seats	SF	Seats	SF	
722-10	23,040	270	23,040					320

17.6 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 in sections 17.4 and 17.5 above where inadequate facilities are identified provide the following information:

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

17. Facility Measures / Personnel Support, continued

17.7 Provide the following information on base infrastructure utility and support services.

Table 17.7: **Base Utilities and Support Services**

	On Base Capacity	Off Base Long Term Contract	Normal Steady State Load	Peak Demand
Electrical Supply (KWH)	None	As Required	9,000 KW	13,181 KW
Natural Gas (CFH)	None	2.46EB CF/Yr	20 MCFH	60 MCFH
Sewage (GPD)	None	As Required	900,000	1,500,000
Potable Water (GPD)	6,480,000	As Required	1,000,000	1,700,000
Steam (PSI & lbm/Hr)	125/400	None	125/160	125/330
Long Term Parking	16,256	None	5,200	10,400
Short Term Parking	See	Long	Term	Parking

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

None

17.9 Are there any environmental, legal, or otherwise limiting factors (encroachment, pollutant discharge, etc.) that inhibit further development of personnel support functions at this Logistics Base?

MCLB Albany has been designated as a Superfund Site. Therefore, environmental restrictions apply to development of additional personnel support functions at this logistics Base. Development of the listed Potential Sources of Contamination (PSCs) will be restricted, pending the results of the characterization and remediation of each PSC. Presently 12 PSCs are listed for screening purposes only, and development on these areas could occur after each PSC is screened for absence or presence of contamination and cleared by the Georgia Environmental Protection Division. Fourteen PSCs require full remedial investigation and feasibility studies. Therefore, remedial action must be completed, and each PSC certified before any development could take place. All investigation and cleanup actions are managed under the Installation Restoration Program. Of the approximately 2,000 acres available for further development, about 250 acres are involved in PSCs and an additional 100 acres are wetlands.

Activity: M67004

Features and Capabilities

18. Facility Measures / Other Facilities

18.1 Identify any other facilities, not included above, that are critical to the Logistic Base's production capability by Category Code Number (CCN), area in thousands of square feet and condition.

None.

Table 18.1.a: **Other Facilities**

CCN	Facility Type	Area (K SF)	Condition			Use / Comments
			Adequate	Substandard	Inadequate	

Features and Capabilities

19. Training Ranges

19.1 For each type of ground training range available at this installation for support of military units and other organizations, identify the acreage supporting that training, the total hours that range was employed for that training in the Fiscal Years requested, the hours available for training on that range, and the average number of positions. Describe how the hours were calculated. Break out usage between USMC/USN units and units from non-DON organizations as separate line items.

Table 19.1: **Pistol/Other Training Ranges**

RANGE NAME & #	Size (Acres) & # of Positions	# Hours Range Utilized				# Training Hours Available FY 1993 *	Average # Firing Position Used/Hr FY 1993
		FY 1991	FY 1992	FY 1993			
				DON	Others		
MCLB Albany Pistol Range	3.4 Acre 20 Firing Points	500	500	500	0	2,080	20/HR
TOTAL	3.4 Acre 20 Firing Points	500	500	500 HRS	0 HRS	2,080	20/HR

NOTE 1: One pistol detail equals five hours per day for five days, or 25 hours for detail. Twelve details per year at 25 hours per detail equals 300 hours. Pistol school/training equals eight hours per detail for 12 details, or 96 hours. Pistol Team equals three hours per day for 30 days, or 90 hours. NIS and demonstrations equal 14 hours. Total Hours pistol range utilized equals 500 hours.

19. Training Ranges, continued

19.2 List your projected total usage requirements in training hours for each range identified in Table 19.1.a above for the Fiscal Years requested:

Table 19.2.: Projected Requirements

Projected Requirements	FY 1994	FY 1995	FY 1997	FY 1999	FY 2001
MCLB Albany Pistol Range	500	500	500	500	500

19.3 Assuming that the ground training facility is not constrained by operational funding (personnel support, increased overhead costs, etc.) with the present equipment, physical plant, etc., what additional capability could be gained? Provide details and list assumptions for all calculations.

None.

19.4 Assuming that additional equipment, MILCON, etc., could be added, what additional capability could be realized for this range? What could be done? At what associated cost? Provide details and list assumptions for all calculations.

1. One hundred seat bleacher/outdoor classroom area. 9,000 aluminum
2. Permanent storage facility for marksmanship equipment. 2,000 window and door.

19.5 List and explain the limiting factors (encroachment, pollutant discharge, etc.) that further funding for personnel, equipment, MILCON, etc cannot overcome (e.g., environmental restrictions, land use areas, scheduling conflicts, etc.).

None.

19.6 Identify and describe any inadequate training ranges. Describe the reasons why the range is inadequate; indicate how it is being used and list other possible uses; specify costs to remove the deficiencies that make the range inadequate. Indicate current/future plans to remove these deficiencies and the amount of programmed funds slated for this range.

None.

NOTE: A major inadequacy is the lack of a Base Rifle Range, resulting in a 90 mile one way trip to the nearest rifle range in Columbus, GA. Over 300 hours per year are used for rifle training which doesn't include travel time and cost, scheduling conflicts, vehicle support and maintenance, messing, and associated costs of conducting training 90 miles from the parent command.

No plans are scheduled to construct a local rifle range, however, the possibility of an annual rifle requalification waiver is available as an option.

Activity: M67004

Features and Capabilities

20. Weapons and Munitions

Please answer the following questions if your activity performs any stowage or maintenance on any of the following ordnance commodities types:

ORDNANCE COMMODITY TYPES			
Mines	Expendables	LOE:	Rockets
Torpedoes	INERT	LOE:	Bombs
Air Launched Threat	CADS/PADS	LOE:	Gun Ammo (20mm-16")
Surface Launched Threat	Strategic Nuclear	LOE:	Small Arms (up to 50 cal.)
Other Threat	Tactical Nuclear	LOE:	Pyro/Demo Grenades/Mortars/ Projectiles

20.1 Ordnance Stowage and Support. Provide present and predicted inventories (coordinate with inventory control manager) and maximum rated capability of all stowage facilities at each weapons storage location controlled by this activity. In predicting the out year facility utilization, distribute overall ordnance compliment to the most likely configuration. The maximum rated capability is also an out year projection taking into account any known or programmed upgrades that may increase current stowage capacity. When listing stowage facilities, group by location (e.g. main base, outlying field, special area).

Table 20.1: **Total Facility Ordnance Stowage Summary**

Facility Number	PRESENT INVENTORY		PREDICTED INVENTORY FY 2001		MAXIMUM RATED CAPABILITY	
	TONS	SQ FT	TONS	SQ FT	TONS	SQ FT
Bldg. 1651	24.10	1,000	24.10	1,000	30.0	1,000
TOTAL	24.10	1,000	24.10	1,000	30.0	1,000

20. Weapons and Munitions, continued

20.2 For each Stowage facility identified in question 20.1 above, identify the type of facility (specify if "igloo", "box", etc.). Identify the type of ordnance commodity (from the list above) which are currently stowed in that facility and all other ordnance types which, given existing restrictions, could be physically accommodated in that stowage facility. Specify below if such additional accommodation would require a modification of the facility (e.g. enhanced environmental controls, ESQD waiver).

- Identify the reason(s) for which this ordnance is stored at your facility from the following list: own activity use (training); own activity use (operational stock); Receipt/Segregation/ Stowage/Issue (RSSI); transhipment/awaiting issue; deep stow (war reserve); deep stow (awaiting Demil); other. Explain each "other" entry in the space provided, including ordnance stowed which is not a DON asset.

Table 20.2: **Total Facility Ordnance Stowage Summary**

Facility Number/Type	Currently Stowed Commodity Type(s)	Reason for Stowage at your Activity	Commodity Type(s) Which Can Be Stowed
Bldg. 1651/IGLOO	Small Arms	Training, BSSI, Weapons Testing	Small Arms
	Gun Ammo	25mm Weapons Testing	Gun Ammo
	Pyro/Demo	Explosive K-9 Training	Pyro/Demo Grenades/ Mortors Projectiles

Additional comments: **This facility can only accommodate Category 2 Ordnance items. The net explosive weight (new) cannot exceed 1,000 pounds for this facility; anything beyond that would require an ESQD waiver.**

20.3 Identify the rated category, rated NEW and status of ESQD arc for each stowage facility listed above.

Table 20.3: **Facility Rated Status**

Facility Number / Type	Hazard Rating (1.1-1.4)	Rated NEW	ESQD Arc		
			Established (Y / N)	Waiver (Y / N)	Waiver Expiration Date
Bldg. 1651/IGLOO	1.1	1,000	Y	N	N/A

20. Weapons and Munitions, continued

20.4 Identify any restrictions which prevent maximum utilization of your facilities. If restrictions are based on facility conditions, specify reason, the cost to correct the deficiency, and identify any programmed projects that will correct the deficiency and/or increase your capability.

None.

20.5 Identify if your activity performs any of the following functions on any of the ordnance commodities previously listed. Technical support includes planning, financial, administrative, process engineering and SOP support. Within each related function, identify each ordnance commodity type for which you provide these services and the total Direct Labor Man Hours (DLMHs) expended (FY 1994); identify only those DLMHs expended by personnel under your command.

Table 20.5: **Related Ordnance Support**

Related Functions	Performed? (Y / N)	Type of Commodity	DLMHs (000's)
Maintenance (specify level)	Y	Artillery and guns, Small Arms Conventional Arms Other *	5.1 26.2 1.3 .5
Testing	Y		**
Manufacturing	N		
Outload	N		
Technical Support	Y		**

* **Includes miscellaneous items such as, telescopes, aiming circles, and headspace gages.**

** **Testing and technical support is minimal in DLMHs (less than one percent); however, both are integral parts in providing the highest quality product to our customer. Ordnance testing is performed in four primary facilities: (1) 100-meter test-fire facility; (2) 25-meter test-fire facility; (3) LAV-25, 25mm chain gun test-fire facility. These structures house an indoor target range for live-fire testing to include function firing and accuracy firing. Technical support is provided at the request of the customer which affords us the opportunity to collect valuable feedback from the Marine in the field -- our ultimate customer -- as to concerns pertaining to the dependability, reliability, and maintainability of the products we produce.**

Activity: M67004

Features and Capabilities

21. Productive Output Factors

21.1 For the following Work Centers, provide your productive output in Direct Labor Man Hours (DLMHs) for your depot as it presently operates, and for your depot if it were to expand to maximum potential workload operations. Add other significant work sections as appropriate. Base your responses on a notional normal shift operation (1-8-5) and current commodity mixes.

Table 21.1.a: **Productive Output by Work Sections**

Work Center	* Current Operations (DLMHs) (000s)	** Full Capability Operations (DLMHs) (000s)
711 Engines	37.4	58.3
712 Power Trains	52.1	78.3
713 Motor Transport	58.8	60.1
714 Hydraulic Accessory	27.9	26.3
715 Engineer Equipment	68.1	54.8
721 Small Arms	28.7	26.1
722 Optics/Fire Control	15.0	22.1
723 Tracked Ordn & Artillery	124.2	120.9
731 Radar	20.2	35.3
732 Comm/Electronics	73.6	88.6
733 Electric Equipment	50.5	51.2
741 Welding	22.9	38.4
742 Body	99.8	87.5
743 Machine	43.3	56.8
744 Sheetmetal	27.9	32.2
Total Table 21.1.a:	750.4	836.9

* **Current operations based on one eight-hour shift, five days a week; number of production equivalents (PEs) multiplied by 1615, by Cost Work Center.**

** **Full capability operations based on formula from DOD Draft Handbook 4151.15-H; number of workstations X 1615 X .95 (availability factor).**

Activity: M67004

21. **Productive Output Factors, continued**

Table 21.1.b: **Productive Output by Work Sections**

Work Centers	* Current Operations (DLMHs) (000s)	** Full Capability Operations (DLMHs) (000s)
751 Prep for Shipment	30.0	26.6
752 Cleaning	57.6	44.5
753 Paint	91.2	70.6
754 Care-in Store	21.3	20.0
611 Engineering	9.4	15.4
650 Quality Control	37.0	41.5
670 Automatic Test Support	127.4	121.2
680 Metrology	32.8	33.8
Other (specify)		
Table 21.1.b TOTAL:	406.7	373.6
Table 21.1.a TOTAL:	750.4	836.9
Activity TOTAL	1,157.1	1,210.5

* **Current operations based on one eight-hour shift, five days a week; number of production equivalents (PEs) multiplied by 1615, by Cost Work Center.**

** **Full capability operations based on formula from DOD Draft Handbook 4151.15-H; number of workstations X 1615 X .95 (availability factor).**

Activity: M67004

Features and Capabilities

22. Manpower Factors / Depot Maintenance

22.1 For the Category Codes identified in question 14. above, provide your most current work force (FY 1993) summary, broken out in the categories below.

Table 22.1: **Depot Maintenance Manpower Factors**

CCN	Facility Type	Work Force Breakout			
		Management	Supervisors/ Leadingmen	Journeymen	Apprentices
610-10	Building (601)	7			
610-10	Building (602)	2			
610-10	Building (603)	6			
610-10	Building (604)	7			
610-10	Building (606)	14			
610-10	Building (607)	2			
610-10	Building (609)	4			
610-10	Building (611)	3			
610-10	Building (613)	5			
610-10	Building (614)	5			
610-10	Building (615)	5			
610-10	Building (617)	6			
610-10	Building (618)	12			
610-10	Building (619)	5			
610-10	Building (613)	2			
610-10	Building (632)	18			
610-10	Building (635)	18	1		13
610-10	Building (636)	3			1
610-10	Building (638)	31			1
610-10	Building (639)		1	4	19
610-10	Building (650)	2			
610-10	Building (651)	6			
610-10	Building (652)		1	9	
610-10	Building (653)		1	8	
610-10	Building (654)	1	1	6	
610-10	Building (655)		1	2	
610-10	Building (655)		1	7	

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CCN	Facility Type	Work Force Breakout			
		Management	Supervisors/ Leadingmen	Journeymen	Apprentices
610-10	Building (656)	1			
217-10	Building (670)	2			
217-10	Building (671)	27			
217-10	Building (672)	21			7
217-10	Building (673)	22			
217-10	Building (674)	12			
217-10	Building (680)	2			
217-10	Building (681)	12	1	4	4
217-10	Building (682)	2			
217-10	Building (683)	14			
217-10	Building (684)	9			
214-10	Building (700)	2			
214-10	Building (710)	1	1		
214-10	Building (711)		1 / 2	10	7
214-10	Building (711)			6	4
214-10	Building (712)		1 / 1	11	1
214-10	Building (712)			2	12
214-10	Building (712)			3	1
214-10	Building (713)		5	14	24
214-10	Building (714)		2	11	5
214-10	Building (715)		3	16	25
214-10	Building (720)	1	1		
215-10	Building (721)		1	6	18
215-10	Building (722)		1	9	
214-10	Building (723)		2 / 4	36	46
217-10	Building (730)	1	1		
217-10	Building (731)		1	13	2
217-10	Building (732)		3	30	11
217-10	Building (733)		1 / 1	15	6
214-10	Building (733)		1 / 1	8	2
214-10	Building (740)	1	2		2
214-10	Building (741)		1	8	2

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CCN	Facility Type	Work Force Breakout			
		Management	Supervisors/ Leadingmen	Journeymen	Apprentices
214-10	Building (741)		1	6	
214-10	Building (742)		2 / 1	15	26
214-10	Building (742)			1	1
214-10	Building (742)			1	3
315-30	Building (742)			2	
214-10	Building (743)		3 / 1	25	11
214-10	Building (744)		1	13	5
315-30	Building (744)			1	
214-10	Building (750)		1		
214-10	Building (754)		1 / 1		12
214-10	Building (754)				2
214-10	Building (754)				1
214-10	Building (753)		3	15	20
214-10	Building (753)		1	2	10
213-60	Building (753)		2	6	33
214-10	Building (751)		1 / 1	12	3
214-10	Building (751)				2
214-10	Building (752)		3	21	1
214-10	Building (752)		2	13	

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Features and Capabilities

23. Manpower Factors / Storage and Warehousing

23.1 For the Category Codes identified in question 15. above, provide your most current work force (FY 1993) summary, broken out in the categories below. Recognizing that your workforce may be aligned to work in more than one facility, breakout your current workforce by categories such that the total does not exceed your total workforce manning level.

Table 23.1: **Storage and Warehousing Manpower Factors**

CCN	Facility Type	Work Force Breakout			
		Management	Supervisors/ Leadingmen	Journeymen	Apprentices
441-10	COVERED GENERAL PURPOSE STORAGE (HEATED)	3/10	15/21	126/52	
441-10	COVERED GENERAL PURPOSE STORAGE (UNHEATED)	2/2	4/0	36/5	
451	OPEN STORAGE (IMPROVED)			**	
451	OPEN STORAGE (UNIMPROVED)			**	
TOTALS	CIV/MIL	5/12	19/21	162/57	

**** 35 Journeymen from the covered storage areas above work in the open storage lots as required.**

24. Physical Space for Industrial Support

24.1 What is the actual floor space in use in appropriate structures for facilities to perform industrial support functions, in total thousands of square feet (KSF)? What is the planned requirement over the next five years of applicable floor space in appropriate structures for facilities to perform industrial support functions, in total KSF? Given the foregoing, what is the surplus floor space in appropriate structures for facilities to perform industrial support functions, in KSF?

Table 24.1: **Industrial Support Physical Space**

Categories of Space	Space in KSF		
	Currently In Use	Planned Requirement	Surplus
Office, warehouse, and external storage for procurement, storage, security, issue, packaging, and shipment, etc.	154.2	154.2	-0-
Office space for command, management, and administration, etc.	20.3	20.3	-0-
Office space for drafting, engineering work planning, and computer aided design, etc.	11.6	11.6	-0-
Storage for technical manuals and drawings of equipment and components for life-cycle management, etc.	.6	.6	-0-

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25. Facility Limitations

25.1 Provide the maximum number of units throughput (report both Principle End Items (PEIs) and Components (COMP)) that can be simultaneously worked in the present MCLB facilities configuration and if the MCLB were expanded to maximum potential production capacity as identified previously for each commodity type listed.

Table 25.1: **Facility Configuration**

Commodity Type	Number of Units Worked Simultaneously				
	Present Configuration		Maximum Production		* Limiting Factors
	PEIs	COMP	PEIs	COMP	
Missiles					
Amphibious Vehicles	582	554	568	541	
Combat Vehicles	22	2,279	21	2,224	
Automotive Eqmt					
Tactical Vehicles	2,963	1,575	2,892	1,537	
Construction Eqmt	420	33	410	32	
Electronics & Comm Systems	7,653	**	7,469	**	
Ordn, Wpns, & Munitions	18,904	**	18,450	**	
General Purpose Eqmt	1,910	**	1,864	**	
Other End Items	7,453	**	7,274	**	

*** See 25.2 response - applies to all commodity areas.**

**** DOD Accounting Manual 7220.9M work breakdown structure does not report these commodities to the component level.**

25.2 What recruiting, staffing, hiring limits, apprenticeship training, industrial work standards, promotion policies, personnel support facilities, etc., constrain the productive output of the facility?

Restrictive hiring, due to the freeze, has limited the capability of the Maintenance Center to acquire highly-qualified, well-trained personnel to fill key billets (both direct and indirect).

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Features and Capabilities

26. Real Estate Potential

26.1 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 26.1: **Real Estate Resources**

Site Location: Marine Corps Logistics Base, Albany, Georgia

Land Use	Total Acres	Developed Acreage	Available for Development	
			Restricted	Unrestricted
Maintenance	116	116	565**	1,635***
Operational	0	0	565**	1,635***
Training	16	16	565**	1,635***
R & D	115	15	565**	1,635***
Supply & Storage	428	100	565**	1,635***
Admin	57	57	565**	1,635***
Housing	280	280	565**	1,635***
Recreational	2,326*	126	565**	1,635***
Navy Forestry Program	2,200*	0	0	0
Navy Agricultural Outlease Program	208	0	565**	1,635***
Hunting/Fishing Programs	2,200*	5	0	0
Other-Community Support	47	47	565**	1,635***
Total:	3,593*	762	565**	1,635***

* **The total acres of Recreational, Navy Forestry Program, and Hunting and Fishing Programs include 2,200 acres used jointly by all three areas.**

** **There are approximately 565 acres of land for which development would be restricted: 250 acres of PSCs, 100 acres of wetlands and 215 acres within the safety arc of the Small Arms Firing Range.**

*** **There are approximately 1635 acres of forestry land available for development. This area could be developed into any of the land use categories listed above.**

26. Real Estate Potential, continued

26.2 Identify the following characteristics regarding the base infrastructure.

Table 26.2: **Base Utilities**

	On Base Capacity	Off Base LongTerm Contract	Normal Steady State Load	Peak Demand
Electrical Supply (KWH)	None	As Required	9,000 KW	13,181 KW
Natural Gas (CFH)	None	2.46E8 CF/Yr	20 MCFH	60 MCFH
Sewage (GPD)	None	6,480,000	900,000	1,500,000
Potable Water (GPD)	6,480,000	6,480,000*	1,000,000	1,700,000
Steam (PSI and Lbm/HR)	125/400	None	125/160	125/330
Long Term Parking	16,256	None	5,200	10,400
Short Term Parking	See	Long	Term	Parking

* All MCLB water is produced on board by MCLB pumps. City of Albany water is available if required.

26.3 Are there any infrastructure constraints (e.g. utilities, available land) that would inhibit significant growth or mission relocation to your station?

No. However, MCLB Albany has been designated as a Superfund Site. Environmental restrictions would apply to approximately 350 acres (250 acres in PSCs and an additional 100 acres in wetlands) of the 2,000 acres available for potential development. Development of the listed Potential Sources of Contamination (PSCs) will be restricted, pending the results of the characterization and remediation of each PSC. Presently, 12 PSCs are listed for screening purposes only, and development on these areas could occur after each PSC is screened for absence or presence of contamination and cleared by the Georgia Environmental Protection Division. Fourteen PSCs require full remedial investigation and feasibility studies. Therefore, remedial action must be completed, and each PSC certified before any development could take place. All investigation and cleanup actions are managed under the Installation Restoration Program.

26.4 If so, describe the constraints.

None.

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Features and Capabilities

27. Expenditures and Equipment Values

27.1 Identify the facility and equipment values for your activity 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) refers 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 27.1: **Expenditures and Equipment Values**

FY	MRP ($ K)	CPV ($ K)	ACE ($ K)
1986	6,337	327,302	
1987	6,445	333,622	
1988	6,598	354,346	
1989	7,136	360,336	
1990	10,225	387,023	71,488
1991	7,279	396,446	77,562
1992	7,163	408,321	84,690
1993	4,774	429,264	70,685
1994	9,490	450,812	73,389
1995	7,405	470,651	75,516
1996	7,687	489,957	77,706
1997	7,793	510,023	79,959

NOTE: The figures in the ACE column are cumulative and fluctuate due to transfer and receipt of personal property aboard MCLB, Albany.

ACTIVITY LISTING:

Type	Title	Location
Logistics Base	MCLB Albany	Albany GA
Logistics Base	MCLB Barstow	Barstow CA

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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

MAJGEN J. D. STEWART
NAME (Please type or print)

Signature: J D Stewart

COMMANDING GENERAL
Title

Date: 28 May 94

MCLB, ALBANY, GA
Activity

Data Call 17: Capacity Activity: M67004

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

NEXT ECHELON LEVEL (if applicable)

MAJGEN J. D. STEWART
NAME (Please type or print)

COMMANDER
Title

MARCORLOGBASES, ALBANY, GA
Activity

Signature

28 May 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

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.

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

R. K. [illegible]
NAME (Please type or print)
for Installations and Logistics

Title

Signature

JUN 2 0 1994
Date