

DEFENSE ENVIRONMENTAL STATUS REPORT

WITH BACKUP

FOR

1 OCTOBER 1987 thru 30 SEPTEMBER 1988

COMMANDANT OF THE MARINE CORPS

RCS DD-A&L(A)-1485



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*Daw*

DEPARTMENT OF THE NAVY  
NAVAL ENERGY AND ENVIRONMENTAL SUPPORT ACTIVITY  
PORT HUENEME, CALIFORNIA 93043-5014

IN REPLY REFER TO:

5200/1  
Ser 112F3/ 733

22 JUN 1989

From: Commanding Officer, Naval Energy and Environmental Support Activity  
To: Commandant of the Marine Corps (LFL)

Subj: DEFENSE ENVIRONMENTAL STATUS REPORT

Ref: (a) CMC ltr 6280/1 LFL/U-1666 of 6 Apr 89

Encl: (1) FY88 Marine Corps Defense Environmental Status Report (DESR)  
(4 copies)  
(2) FY88 DESR Tables on Floppy Disk  
(3) Reply to Comments on Draft DESR

1. Enclosures (1) and (2) are the final subject report. Enclosure (3) answers the questions raised in reference (a).

2. Our contact is Kathleen Jones, Code 112F3, AUTOVON 360-3166 or commercial (805) 982-3351.

*Robert Wood*

ROBERT E. WOOD  
By direction

Copy to: (1 copy encl (1))(w/o encl (2),(3))  
CG MCRD San Diego  
CG MCRD Parris Island  
CG MCLB Barstow  
CG MCLB Albany  
CG MCCDC Quantico  
CG MCB Camp Pendleton  
CG MCB Camp Lejeune  
CG MCAS El Toro  
CG MCAS Cherry Point  
CG MCAGCC Twentynine Palms  
CO MCAS Beaufort  
CO MCAS Jacksonville  
CO MCAS Kanoeha Bay  
CO MCAS Tustin  
CO MCAS Yuma  
CO MARCORCAMP Camp Smith

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~~SECRET~~

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SWEA  
6280/1 ✓  
NREAD  
24 Jul 89

**From:** Supervisory Chemist, Environmental Chemistry & Microbiology Section, Soil, Water & Environmental Branch, Natural Resources and Environmental Affairs Division  
**To:** Supervisory Ecologist, Soil, Water & Environmental Branch, Natural Resources and Environmental Affairs Division  
**Subj:** DEFENSE ENVIRONMENTAL STATUS REPORT (DESR) FOR FY88

1. The DESR is a summary of data of the principle environmental concerns for Department of Defense facilities. It is used by the Office of the Secretary of Defense (OSD) to answer queries from Congress, environmental agencies and conservation organizations. The DESR consists of fifteen tables using fiscal year data and three tables using calendar year data. This report is due to the OSD by 15 Jan of the following year for all tables except Tables 6A, 6B and 8 (the calendar year tables) which are due by 1 May of the following year.

2. The DESR in the past has been completed by Natural Resources and Environmental Affairs with assistance from the Environmental Engineer and sent to HQMC. However, the FY88 report was prepared by NEESA. NEESA sent only certain tables to MCB for completion. Tables 1-5, 7, 10, and 13-17 were received by NREAD. Tables 1, 2, 5 and 17 were sent by NREAD to the Environmental Engineer for completion. My files only show one letter going back to NEESA dated 17 Feb 89 with only Tables 3, 4, 7, 10, and 13-15 completed. These tables were forwarded to Facilities on 12 Jan 89. The letter stated that the other tables would be forwarded at a later date, however, I was never provided a copy of a second letter if it went out. Below is some points found on specific tables while reviewing the compiled Marine Corps report.

3. Table 1 on Air Compliance was one sent to the Environmental Engineer. The report shows Camp Lejeune as having 7 major air pollution sources all of which were listed as Steam Plant Boilers and in compliance. As for minor sources, it showed 392 under LANTDIV but did not break the figures down by command.

4. Table 2 on Wastewater Compliance was one sent to the Environmental Engineer because not all NOVs had been forwarded to NREAD during the year. Apparently, the engineer never provided the information because the POC at NEESA called me on it. I stated that we had 8 NPDES permits, one that had expired and one that exceeded limits during the year. The NOVs on the reports are correct but the one on the exceeded limits at Camp Geiger I believe to be in error. The diffuser was completed in Oct 88 which would have put Camp Geiger back in compliance. I believe we received NOVs from Mar 88 to Oct 88 but I never saw them.

5. Tables 3 and 4 dealt with oil spills and hazardous waste compliance, respectively. Table 3 showed Camp Lejeune's SPCC



plan as incompleated and its last review date as Aug 83. Table 4 did not show Camp Lejeune as needing a pollution abatement project to resolve its hazardous waste NOV.

6. Table 5 was on underground storage tanks and completed by the Environmental Engineer. It showed Camp Lejeune as having 1 tank with a capacity of 20,000 gallons to 1 million gallons and 450 tanks having less than 20,000 gallons. It showed all 451 tanks requiring pollution abatement projects and all as out of compliance.

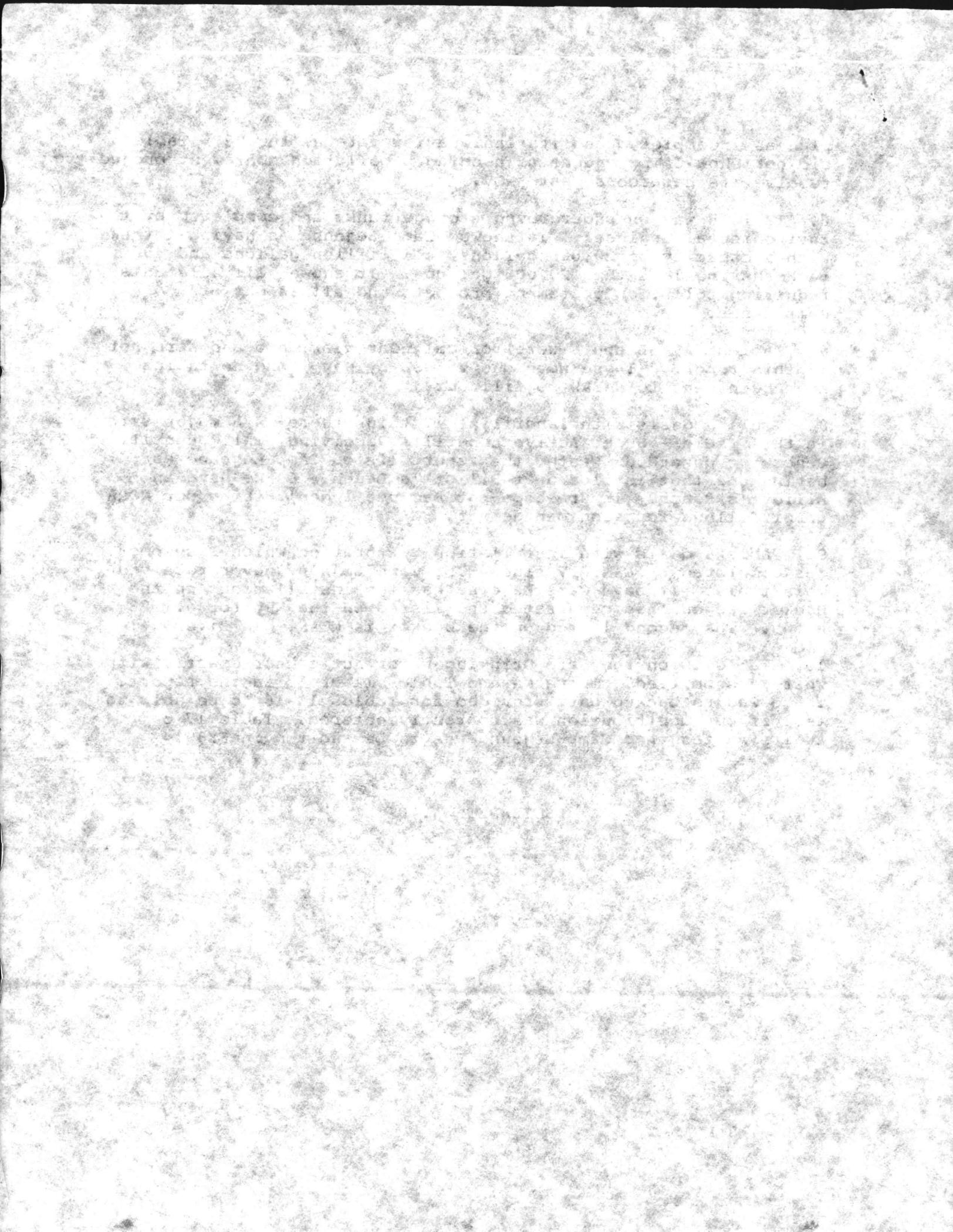
7. Tables 6A, 6B and 8 were for calendar year data and were not in this report. These were due to OSD by May 1 and no tables have been sent to NREAD to fill out.

8. Table 7 deals with landfills. I think there is a major error in this table. Under Active Landfills Receiving Small Quantity Generator Hazardous Waste, the report listed Camp Lejeune as having one that is closed at Elliott's Beach. Do we have an Elliott's Beach? I sure hope not because I don't think our RCRA permit allows for such management.

9. Table 9 deals with installation restoration which I suspect was completed by LANTDIV since MCB, Camp Lejeune never received this table. It says Camp Lejeune has two installations on the Docket and one has been rated and listed on the NPL for all 23 sites. The second listed on the Docket is MCAS, New River.

10. Table 10 on the Safe Drinking Water Act concur exactly with what we submitted. There was no Tables 11 or 12 in the report. There was no backup data provided for Tables 13-16 to be able to tell if our contribution was correctly entered. Table 17 on Audits stated that Camp Lejeune was to be audited in FY89.

ELIZABETH A. BETZ



## I. INTRODUCTION

- A. DESR IS A SUMMARY OF DATA FOR THE PRINCIPLE ENVIRONMENTAL CONCERNS
- B. USED BY OSD TO ANSWER QUERIES FROM CONGRESS, ENVIRONMENTAL AGENCIES + CONSERVATION ORGANIZATIONS
- C. DUE TO OSB BY 15 JANUARY EXCEPT FOR TABLES 6A, 6B, AND 8 WHICH WILL BE DUE 1 MAY

### TABLE 1. - BOB ALEXANDER AIR COMPLIANCE

1. ~~THE~~ CAMP LEJEUNE HAS ~~A~~ MAJOR AIR POLLUTION SOURCES (IN COMPLIANCE)
2. CAMP LEJEUNE HAS 7 IN COMPLIANCE  
ALL STM PLANT BOILERS NAPSIS # 001, 002, 003, 004, 401, 402, 403  
NAVAL AIR POLLUTION SOURCE INFORMATION SYSTEM
3. 392 TOTAL IN LANTDIV (? @ CAMP LEJEUNE)  
NONE OUT OF COMPLIANCE
4. NO NOV'S RECEIVED OR UNRESOLVED

### TABLE 2. - WASTEWATER COMPLIANCE BOB THIS YEAR

1. 8 MINOR DISCHARGES. - CG OUT OF COMPLIANCE, EXCEEDED  
2 STANDARDS
3. ~~2~~ EIGHT NOV'S RECEIVED  
7 IN AUGUST DUE TO NON-RECEIPT OF DMRs  
1 IN NOV<sup>88</sup> DUE TO EXCEEDED LIMITS @ CG (THERE WERE MORE SENT)  
(NOT FY 88)
4. MISQUOTE OF ME BY WANDA EDWARDS :

ERROR



TABLE 3. OIL & SPILL

NREAP

LISTS CAMP LEJEUNE UNDER INCOMPLETE, LAST REVIEW DATE AUG 83

TABLE 4.

3 A.2. DID NOT LIST CAMP LEJEUNE NEED A POLLUTION ABATEMENT PROJECT(S) TO RESOLVE

TABLE 5. - UST BOB ALEXANDER

1.	SMALL TANK (<20,000 GAL)	
	LARGE (20,000 - 1 MIL GAL)	1
	BULK (1 MIL OR LARGE)	0

TOTAL . 450

# REQUIRING POLLUTION ABATEMENT PROJECTS 451

ALL LISTED AS OUT OF COMPLIANCE

TABLE 6A + 6B, 8 CALENDAR YEAR WAS DUE 1 MAY 89 RECEIVED NO INFO ON IT.

TABLE 7.

LISTS CAMP LEJEUNE AS HAVING A LANDFILL AT ELLIOTTS BEACH WHICH IS LISTED AS CLOSED OUT UNDER ACTIVE LANDFILLS RECEIVING SMALL QUANTITY GENERATOR HAZARDOUS WASTE, LISTS NO INACTIVE LANDFILLS @ LEJEUNE AS PER OUR TABLE

TABLE

LISTED AS INACTIVE (HANDLED) AS PER OUR

GENERATOR. HAS APODUS WASTE

UNDER ACTIVE. HANDLES RECEIVING SMALL QUANTITIES

EXISTS. BATCH WHICH IS LISTED AS GOOD OUT

LISTED AS CAMP RESERVE AS HAVING A HANDLING AT

TABLE 7.

RECEIVED AND LISTED IN IT.

TABLE 7. A-100? CALENDARS. THIS WAS THE 1/1/77

ALL LISTED AS OUT OF COMPLIANCE

# REQUIRING FURTHER APPOINTMENT PROJECTS 421

TOTAL

420

BUFF

(1 MIL OR LARGER)

LARGE (20,000 - 1 MIL GAL)

SMALL TANK (< 20,000 GAL)

TABLE 2. - LIST

TABLE 2. - LIST

APPOINTMENT PROJECTS TO RESOLVE

3 A.D. DID NOT HAVE RESERVE USED A FORTION

TABLE 1.

DATE 10/23

LISTED AS INCOMPLETE. (LAST REVIEW)

TABLE 3. DATE 10/23

TABLE 3.

TABLE 9. LAND DIV ?

2. CAMP LEJEUNE 22 SITES  
PA/SI STARTED 01/82  
COMPLETED 4/83  
# SITES 22  
RI/FS STARTED 2/84  
COMPLETED → 9/92  
23 SITES  
RD/RA STARTED ?

3. CAMP LEJEUNE LISTED ON DOCKET NAME

+ MCAS NEW RIVER

CL SCORED BY HR SYSTEM (36.84)

4. CAMP LEJEUNE LISTED ON NPL, ALL SITES

TABLE 11 + 12 INCLUDED IN NOV 84 FIGURES

TABLE 13 - 16, NO BREAK DOWN DATA

TABLE 17 LISTED TO BE AUDITED

TABLE P. 1  
CAMP LEAVES - 22 SITES

PH/ST STARTED 01/82

COMPLETED 4/83

# SITES 22

RT/TS STARTED 2/84

COMPLETED - 2 P/PS

22 SITES

RT/PS STARTED ?

3. (SAMPLES) LISTED ON DOCKET NAME

+ WAS VIEWED

IT SCORED BY H.S. BROWN (3/84)

A. (CAMP LEAVES) LISTED ON MAP - 11 SITES

TABLE 11 + 12 (INCLUDED) IN THE FIGURES

TABLE 13 - 16 NO BREAK DOWN DATA

TABLE 17 LISTED TO BE ADDED

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## INTRODUCTION

The Secretary of Defense and the secretaries of the military departments have oversight responsibility for a large number of programs within the Department of Defense (DoD). One important part of the Defense components' installations program is environmental quality. The DoD environmental quality program includes pollution abatement, pest management, and natural resources management. Environmental protection involves all levels in the chain of command - each military man, woman, and civilian employee, as well as each installation commander and major command.

The Defense Environmental Status Report (DESR) is a summary of data for the principle environmental concerns. This document is intended to foster excellence in the Department of Defense's environmental program through a systematic, comprehensive data base. It is responsive to the federal, state, and local environmental laws in effect during the reporting period. Therefore, this report allows management to focus on the important issues and trends. The DESR is an important data base for the Office of the Secretary of Defense (OSD) to have available for answering queries from Congress, environmental agencies, and conservation organizations. It is not used for analysis of specific information at specific facilities. It is expected that the military services will maintain a continuous capability to provide interim reports as required for specific areas as critical issues arise.

One overall measure of effectiveness of an installation's environmental quality program is the absence of Notices of Violation (NOVs). Avoiding NOVs requires foresight and effective action.

Most of the DESR tables are required on a fiscal year basis. However, some tables are structured on a calendar year basis to conform with Environmental Protection Agency (EPA) reporting requirements, thus avoiding dual reporting requirements for the same data. Some of the data are snapshots as of a specific date (the last day of the fiscal year). In other cases, the total number of occurrences for the entire fiscal year are required. This report is due to OSD by January 15 of the year following the end of each fiscal year except for Tables 6A, 6B, and 8 which will be due May 1. This report carries Report Control Symbol RCS DD-A&L(A)-1485.

- o Part 1 provides a concise list of environmental quality program goals.
- o Part 2 requires specific quantitative data for each of the environmental media. These tables have been modified in response to service comments, consistent with Secretary of Defense's oversight responsibilities.

Suggestions for improvement of DESR are solicited. Written comments should be sent to Deputy Assistant Secretary of Defense for Environment, OASD(A&L)(E), Room 3D833, The Pentagon, Washington DC 20301-4000.



Part 1 - Environmental Quality Program Goals

1.1 Clean Air Goals

Comply with the Clean Air Act by:

- o Identifying and correcting all air pollution deficiencies.
- o Obtaining required permits, variances, and compliance agreements.
- o Completing required transportation control plans.
- o Implementing vehicle inspection and maintenance (I&M) programs where required.
- o Completing required air episode plans.

1.2 Clean Water Goals

Comply with the Clean Water Act by:

- o Identifying and correcting all water pollution deficiencies.
- o Obtaining required permits and compliance agreements.
- o Using municipal or regional treatment facilities when economically feasible or required under approved plans.
- o Developing and implementing oil Spill Prevention, Control, and Countermeasures (SPCC) plans and programming required projects.
- o Eliminating oil and hazardous substance spills from installations and ships.

1.3 Solid and Hazardous Waste Goals

Comply with the Resource Conservation and Recovery Act (RCRA), and the Toxic Substances Control Act (TSCA) by:

- o Complying with the regulations for handling, storage, transportation, and disposal of hazardous waste.
- o Complying with the regulations for the handling, storage, marking, and disposal of PCBs and PCB items.
- o Maximizing the utilization of used POL products, particularly the sale of lubricating oil for re-refining. Use sale proceeds for pollution abatement, energy conservation, occupational safety and health, and morale and welfare projects.
- o Implementing source separation/recycling programs at all DoD installations where economically feasible.



- o Minimizing waste generation through process modification, recycle, reuse, materials substitution or other methods where economically feasible.
- o Developing and/or participating with municipalities in resource recovery facilities programs for Standard Metropolitan Statistical Areas (SMSA) where feasible.

#### 1.4 Installation Restoration Program Goals

Implement an Installation Restoration (IR) program in accordance with the Superfund Amendments and Reauthorization Act (SARA), Executive Order 12580 and OASD(E) guidance by:

- o Identifying and programming for necessary response actions on a site specific basis.
- o Placing priority on those installations on the National Priorities List and other sites which may present a threat to public health and welfare or the environment.
- o Cooperating with state/local and EPA Regional officials by providing timely information on IR program activities and considering comments in decision making (including notification of planned actions, establishing copies of technical review committees negotiating agreements).

#### 1.5 Safe Drinking Water Goals

Provide safe drinking water at DoD activities and comply with the Safe Drinking Water Act (SDWA) by:

- o Assuring that all DoD-owned or operated public water supplies are constructed, operated, and maintained in compliance with the SDWA and implementing EPA regulations.
- o Performing analyses for chemical, physical, biological, and radiological contaminants as required by EPA or state drinking water standards.
- o Assuring that drinking water quality on DoD installations complies with standards established by the SDWA.
- o Assuring that water treatment personnel are properly trained.

#### 1.6 Pest Management Program Goals

Comply with the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, by:

- o Assuring that all pest control activities on DoD installations are in full compliance with DoD policy, FIFRA, and all other applicable regulations.



- o Assuring that only approved pesticides and pest control equipment are used.
- o Maintaining current pest management plans for DoD installations.
- o Reporting and correcting any problems which occur in the storage, use or disposal of pesticides.

#### 1.7 Natural Resources Management Goals

- o At each DoD installation, integrate and coordinate management of natural resources with other ongoing and proposed activities as well as within the various elements of the natural resources program. An integrated program must be useful for all types of planning and decision making (e.g., construction, training, etc.) and be consistent with applicable local, state, and Federal standards and policies. The natural resources programs will be integrated at all DoD installations by the end of FY90. The programs will be managed according to approved integrated natural resources management plans at 80% of DoD installations by the end of FY91.
- o Identify the number of natural resources management professionals needed to plan and manage the DoD program. Employ sufficient professional natural resources staff to manage all aspects of the program.
- o Annually evaluate the status of each installation's natural resources management program. Conduct on-site technical and management reviews at 35% of installations annually.
- o Forest Management:
  - + Include in the sales program forest products which can yield profits whenever compatible with mission requirements.
  - + By the end of FY90, increase or initiate forest utilization at 50% of installations identified in the FY85 DESR as having potential to increase commercial forest management (26).
- o By the end of FY90, have all required fish and wildlife management plans/segments. Wherever practicable, these management plans will be cooperative plans that support the intent of the Sikes Act.
- o Agriculture/Grazing Outleases:
  - + By the end of FY90, increase or initiate agriculture/grazing outleases at 50% of installations identified in the FY85 DESR as having such potential (91).



o Hunting, Fishing, and Other Recreation

- + By the end of FY90, increase or initiate hunting programs at 50% of installations identified in the FY85 DESR as having such potential (59).
- + By the end of FY90, increase or initiate fishing programs at 75% of installations identified in the FY85 DESR as having such potential (39).
- + By the end of FY90, increase or initiate other outdoor recreation programs at 60% of installations identified in the FY85 DESR as having such potential (59).
- + Allow non-discriminatory public access by FY90 at all DoD installations where safety, security, and carrying capacity do not preclude it.

✓ 1.8 Historic Resources Management Goals

- o By the end of FY90, complete cultural resources overviews at all installations.
- o By the end of FY90, complete and integrate historic preservation plans at 50% of installations that need them.

✓ 1.9 Environmental Auditing Management Goals

- o Improve compliance.
- o Provide assurance to management that activities do not contribute to environmental problems which would expose the government to future large financial liabilities or significantly degrade the environment.
- o Provide a means of achieving, maintaining and monitoring compliance on a continuous basis.



Part 2 - Management Indicators

NOTE: TERMS UNDERLINED AND MARKED WITH AN ASTERISK (\*) ARE DEFINED IN THE GLOSSARY

2.1 - Management Indicators for Clean Air

Table 1 shows overall management indicators for each components' air compliance by comparing compliance rates for the current and previous periods.



TABLE 1

## AIR COMPLIANCE STATUS

PERIOD COVERED: FY88

MAJOR CLAIMANT: MARCORPS

COMPLIANCE DATA	AS OF LAST PERIOD (861001-870930)	AS OF CURRENT PERIOD (871001-880930)
1. No. of <u>Installations</u> *	//////	//////
A. With <u>major air pollution sources</u> *	//////	//////
	4	4
B. With major air pollution sources <u>out of compliance</u> *	//////	//////
	0	0
2. No. of major air pollution sources	//////	//////
A. In being	//////	//////
	8	15
B. Out of compliance	//////	//////
	0	0
3. No. of <u>minor air pollution sources</u> *	//////	//////
A. In being	//////	//////
	1,613	1,496
B. Out of compliance	//////	//////
	0	7
4. No. of <u>notices of violation (NOVs)</u> *	//////	//////
A. No. of NOVs unresolved at the start of period (total)	0	0
1. NOVs which require administrative or operational changes to resolve	0	0
2. NOVs which require pollution abatement project(s) to resolve	0	0
B. No. of NOVs received during period (total)	2	9
1. NOVs which require administrative or operational changes to resolve	2	9
2. NOVs which require pollution abatement project(s) to resolve	0	0
C. No. of NOVs resolved during period (total)	2	9
1. By administrative or operational methods	2	9
2. By pollution abatement projects	0	0

NOTE: Terms underlined and marked with an asterisk are defined in the glossary.



As of 30 Sep 88

MARCORPS BACKUP DATA FOR TABLE 1

1.A. Installations with major sources.

M00146 MCAS Cherry Point NC  
M00264 MCDEC Quantico VA  
M67001 MCB Camp Lejeune NC  
M67399 MCAGCC Twentynine Palms CA

2.A. Major Air Pollution sources.

UIC	Activity Name	Point IDs	Total
UIC	ACTIVITY	NAPSIS* POINT	TOTAL
M00146	MCAS Cherry Point NC		
	Ht & Stm Plant Boiler	001	
	Ht & Stm Plant Boiler	002	2
M00264	MCDEC Quantico VA		
	Ht & Stm Plant Boiler	019	1
M67001	MCB Camp Lejeune NC		
	Ht & Stm Plant Boiler	001	
	Ht & Stm Plant Boiler	002	
	Ht & Stm Plant Boiler	003	
	Ht & Stm Plant Boiler	004	
	Ht & Stm Plant Boiler	401	
	Ht & Stm Plant Boiler	402	
	Ht & Stm Plant Boiler	403	7
M67339	MCAGCC Twentynine Palms CA		
	Ht & Stm Plant Boiler	001	
	Ht & Stm Plant Boiler	002	
	Ht & Stm Plant Boiler	003	
	Incinerator	009	
	Incinerator (Not identified in NAPSIS)		5
TOTAL MAJOR SOURCES REPORTED IN DESR			15

3.A FY88 TOTAL SOURCES 1511  
TOTAL MAJOR SOURCES -15  
FY88 TOTAL MINOR SOURCES 1496

\*NAPSIS - Naval Air Pollution Source Information System



Here is a listing of all minor sources for MARCORPS activities as of 30 Sep 88.

TOTAL: 1496

	CHES	LANT	NORTH	PAC	SOUTH	W/SI	OICC	TOTAL
Foundry								
Sandblasting							18	18
Misc.								
Industrial Process		42		3	17		69	131
Ordinance Manufacturing Plant								
Asphalt/Concrete Plant							2	2
Jet Engine Test Cell		1		1	1		6	9
Electric Power Generation Boiler				4	4		5	13
Engine				13				13
Incinerator		2		1			1	4
Open Burning								
Heat & Steam Plant Boiler	21	111	1	24	39		661	857
Storage Tank	4	141		13	6		60	224
Tank/Truck/Marine Loading		30		6	5		13	54
Gas Station	11	48	2	5	10	1	57	134
Dry Cleaning		2			1		3	6
Welding		1		3				4
Fire Fighting School	2	3		1	1		5	12
Misc. Sources		11		3			1	15
TOTAL								
FY88	38	392	3	77	84	1	901	1496

WESTDIV San Bruno does not have any Marine Corp activities with air pollution sources in NAPSIS.



3.B. No. of Minor Sources out of compliance.

Total 7

M60050 MCAS El Toro, Santa Ana, CA 3 Sources

Heat & Steam Plant Boilers (102,120), Jet Engine Test Cell (Not in NAPSIS) - Boilers no longer exempted. Permits applied for but not received. Lawsuit pending to determine compliance status for Jet Engine Test Cell.

M62535 MCAS Tustin, CA 4 Sources

Heat & Steam Plant Boilers, Jet Engine Test Cells (Not in NAPSIS) - Old boilers were dismantled and new boilers replaced them. Permits applied for but not received. Jet Engine Test Cells are out-of-compliance until permits are received.

4.B Air Violations Received during FY88

Total 9

4.B.1 Air Violations requiring Admin/Operational changes

Total 9

4.B.2 Air Violations requiring PCR Projects to resolve

Total 0

<u>Activity</u>	<u># of NOV's</u>	<u>Reason</u>	<u>Remarks</u>	<u>PCR/Admin/Operational</u>	<u>Resolved</u>
M00243 MCRD San Diego	1	Disconnected vapor recovery hose.	Citation date Jun 88.	Operational	YES
	1	Open container at paint shop.	Citation date Jun 88.	Operational	YES
M00681 MCB Camp Pendleton	2	Malfunctioning vapor processors.	Citation date 01 Sep 88. Resolved 06 Sep 88.	Operational	YES
	2	No permit to operate.	Citation date 27 Jun 88. Resolved 01 Aug 88.	Administrative	YES
	1	Vapor processor malfunctioning.	Citation date 27 Jun 88. Resolved 29 Jun 88.	Operational	YES
	1	Storing VOC compounds in open containers.	Citation date 27 Jun 88. Resolved 15 Jul 88.	Operational	YES
	1	Split vapor return hose.	Citation date 27 Jun 88. Resolved 28 Jun 88.	Operational	YES



Glossary - 2.1

Installation

A grouping of facilities located in the same vicinity, which supports particular functions. Installations may be elements of a base or complex. Normally, an installation is under the control of an individual installation commander.

Major Air Pollution Source

Sources with actual or potential controlled emissions, while operating at design capacity, equal to or greater than 100 tons per year of any federally regulated air pollutant (except lead, 5 tons per year). A list of major air pollution sources has been provided to the components by EPA Headquarters.

Minor Air Pollution Source

EPA category "B." Any air pollution source with potential uncontrolled emissions less than 100 tons per year for any of the criteria pollutants (except lead, 5 tons per year).

Notice of Violation (NOV)

An official written notice by EPA or an authorized state or local environmental regulatory agency of a violation of law or regulation.

Out of Compliance

This is to be a self-assessment by the DoD component, and is independent of official NOV's. A condition in which a source is failing to comply with an applicable regulatory requirement which could be expected to result in an NOV if inspected by the appropriate regulatory agency.



2.2 - Management Indicators for Clean Water

- a. Table 2 shows overall management indicators for each component's wastewater compliance by comparing compliance rates for the current and previous periods.
- b. Table 3 provides management indicators for oil and hazardous substance spills.



TABLE 2

## WASTEWATER COMPLIANCE STATUS

PERIOD COVERED: FY88COMPONENT: MARCORPS

COMPLIANCE DATA	AS OF LAST PERIOD (861001-870930)	AS OF CURRENT PERIOD (871001-880930)
1. No. of <u>Installations*</u>	//////	//////
A. With <u>permitted discharges*</u> ( <u>Major*/Minor*</u> )	8/12	5/6
B. With permitted discharges <u>out of compliance</u> (Major/Minor)	1/7	3/4
2. No. of <u>NPDES permitted discharges*</u>	//////	//////
A. In being (Major/Minor)	10/13	26/48
B. Out of compliance (total) (Major/Minor)	1/8	6/14
1. No. that exceed standards (Major/Minor)	1/8	6/13
2. No. for other reason (Major/Minor)	0/2	0/1
3. No. of Notices of Violation (NOVs)	//////	//////
A. No. of NOVs unresolved at the start of the period (total)	0	1
1. NOVs which require administrative or operational changes to resolve	2	1
2. NOVs which require pollution abatement project(s) to resolve	0	0
B. No. of NOVs received during period (total)	10	42
1. NOVs which require administrative or operational changes to resolve	6	17
2. NOVs which require pollution abatement project(s) to resolve	0	25
C. No. of NOVs resolved during period (total)	9	9
1. By administrative or operational methods	3	9
2. By pollution abatement project(s)	4	0
4. No. of NPDES permits applied for, not final (EPA/State)	0/4	1/12

NOTE: Terms underlined and marked with an asterisk are defined in the glossary.



MARCORPS BACKUP FOR TABLE 2

FY88

SECTION 1A: INSTALLATION WITH PERMITTED DISCHARGES  
 SECTION 1B: INSTALLATIONS WITH PERMITTED DISCHARGES OUT OF COMPLIANCE  
 SECTION 2A: PERMITTED DISCHARGES IN BEING  
 SECTION 2B: PERMITTED DISCHARGES OUT OF COMPLIANCE

UIC	ACTIVITY NAME	1A		1B		2A		2B		PERMIT NO.	REASON FOR NON-COMPLIANCE	
		ACTIVITY STATUS	MAJ MINOR	NON-COMPLY- ING ACTIVITY	MAJ MINOR	DISCHARGES IN BEING	MAJ MINOR	NON-COMPLY- DISCHARGES	MAJ MINOR		EXCEED STAN.	OTHER REASON
M00146	MCAS Cherry Point NC	X				1	22			NC0003816		
M00263	MCRD Parris Island SC		X	X			2	1	1	SC0002577	X	
M00264	MCDEC Quantico, VA	X		X		16		1		VA0002151	X	
						1		1		VA0028363	X	
							1		1	VA0028371		X
M00681	MARCORPS Base		X	X			1		1	CA0108219	X	
	Camp Pendleton, CA						1		1	CA0108287	X	
							1		1	CA0108235	X	
							1		1	CA0108243	X	
							1		1	CA0108251	X	
							1		1	CA0108260	X	
							1		1	CA0108278	X	
							1		1	CA0108286	X	
							1		1	CA0108294	X	
							1		1	CA0108308	X	
M00318	MCAS Kaneohe Bay, HI	X				2				HI0110078		
M60050	MCAS El Toro, CA	X		X		4		2		CA0106593	X	
M60169	MCAS Beaufort SC		X				2			SC0000825		
M62535	MCAS (H) Tustin, CA	X		X		2		2		CA0106607	X	
M67001	MARCORPS Base		X	X		1				NC0003239		
	Camp Lejeune, NC					1				NC0063011		
						1				NC0063002		
						1				NC0063029		
						1				NC0063037		
						1				NC0063045		
						1				NC0063053		
						1		1		NC0062995	X	
M67004	MCLB Albany GA		X	X		1		1		GA0000400	X	
M67399	MCAGCC 29 Palms, CA		X				2			88-10		
	1A INSTALLATIONS	5	6									
	1B NONCOMPLYING INS.			3	4							
	2A DISCH. IN BEING					26	48					
	2B NONCOMPLYING DISCH.							6	14			



UIC	ACTIVITY	REASON FOR NOV	HOW WILL NOV BE RESOLVED?		MO. YR. RESOLVED	PCR PROJECT NUMBER
			ADMIN/OPERATIONAL	PCR PROJECT		
M00146	MCAS Cherry Point, NC	NOV received November 87 for violation occurring in July 87 for exceeding F. Coliform.	By September 87 F. coli. levels had returned to within permit requirements.		Yes--Aug 87	
M00264	MCCDC Quantico	Thirteen NOVs received from VA. State Wtr. Board for permit number VA0002151 for various outfalls for late or improper submission of DMRs, exceeding total suspended solids concentrations & oil and grease.	X	X	Not yet.	W137M Now under construction ECD Sep 89
		Six NOVs received from VA Wtr. control Board for permit number VA0028363. They are:	X		Not yet.	New project will do a survey first--based upon result develop corrective action.
		NRO-2-88-178 dated 7 Mar 88 for TSS, Phos. improper DMR--flow frequency.			Not yet. The majority of internal construction projects have not yet been completed.	
		NRO-3-88-226 dated 8 Apr 88 for TSS violations.				
		NRO-4-88-234 dated 20 Apr 88 for TSS, Phos. improper DMR violations.				
		NRO-6-87-263 dated 18 May 88 for TSS, Phos. improper DMR violations.				
		NRO-6-88-296 dated 27 Jun 88 for TSS, Phos. violations.				
		NRO-7-88-322 dated 21 Jul 88 for TSS violations.				
M00318	MCAS Kaneohe Bay HI	Result of O&M Inspection by the state and EPA Region IX Plant not being operated efficiently.	Consent Order dtd 11/2/88. 17 items with compliance dates established.			



NOTICES OF VIOLATIONS RECEIVED/RESOLVED DURING PERIOD, CONTINUED

MARCORPS

UIC	ACTIVITY	REASON FOR NOV	HOW WILL NOV BE RESOLVED?		MO. YR. RESOLVED	PCR PROJECT NUMBER
			ADMIN/OPERATIONAL	PCR PROJECT		
M00681	MCB Camp Pendleton CA	Cease and desist order received from the state 15 Nov 1988 for exceeding the following standards for flow, nitrates, phosphorous total dissolved solids, chlorine residual, Methylene blue active subst., coliform, turbidity. Activity received 12 NOVs during FY88.	Activity has to respond to order by 10 Dec 1988.	X	Not yet.	Act'y forsees need for construction projects to bring them into compliance. Sewage treatment plants are built on a floodplain. Before issuing new permits, the state is working out various details regarding the floodplain.
M60169	MCAS Beau- fort SC	NOV issued 22 Aug 88 for BOD infiltration problem. (NOV received last year for same reason).	Sewer lines will be repaired by activity project.		Not yet.	
M67004	MCLB Albany, GA	Consent order of September 26, 1988 from Georgia Department of Natural Resources for violations of oil and grease, fecal coliform. NOV issued Feb 1988 for violations occurring Nov-Dec 87.	X USMC ltr of 18 Feb 88 outlined corrective actions which were being implemented to attain compliance. However, since subsequent violations occurred the Georgia DNR issued a consent order and fine when facility did not inform them when recommended improvements were to be implemented.		Unknown; study finished but failed to inform when suggestions could be implemented. F. coli. violations resolved, but not oil and grease.	
M67001	MCB Camp Lejeune, NC	Seven NOVs received August 88 for non-receipt of DMRs.	Copies of DMRs were remailed to regulatory agency.		Yes.	



NOTICES OF VIOLATIONS RECEIVED/RESOLVED DURING PERIOD, CONTINUED

MARCORPS

UIC	ACTIVITY	REASON FOR NOV	HOW WILL NOV BE RESOLVED?		MO. YR. RESOLVED	PCR PROJECT NUMBER
			ADMIN/OPERATIONAL	PCR PROJECT		

The following NOVs were originally counted for FY88 they were actually received in FY89.

M67001	MCB Camp Lejeune, NC	One NOV received Nov 88.	BOD, D. Oxygen and ammonia standards exceeded.		Yes.	
M67004	MCLB Albany	EPA issued NOV 20 Oct 88 to both Georgia Environ. Protection Div. and MCLB Albany GA for failing to take action to correct NPDES viola- tions. (Oil and Grease)		MCON P-605	Compliance order sets date at Sep 89 which may be subject to change after negotiations.	MCON P-605 PCR not in system yet.



MARCORPS

4. NO. OF PERMITS APPLIED FOR, NOT FINAL

FY88 TOTALS: 1 EPA/12 STATE

<u>UIC</u>	<u>NAME/LOCATION</u>	<u>PERMIT NO.</u>	<u>FEDERAL/STATE**</u>	<u>STATUS*</u>
M00263	MCRD Parris Island NC	SC0002577	S	X
M00681	MARCORPS Base, Camp Pendleton, CA	CA0108219	S	X
		CA0108227	S	X
		CA0108235	S	X
		CA0108243	S	X
		CA0108251	S	X
		CA0108278	S	X
		CA0108294	S	X
		CA0108308	S	X
		CA0108260	S	X
		CA0108286	S	X
M60169	MCAS Beaufort SC	SC0000825	S	X
M67001#	MARCORPS Base Camp Lejeune, NC	NC0003239	F	X

\*STATUS = A - APPLICATION  
 D - DRAFT  
 X - EXPIRED

F - Federal/EPA  
 S = State

# North Carolina has primacy now and issued 7 state permits to cover all the discharges on Camp Lejeune except one--the state told the activity to continue to use the old federal permit number for that particular discharge; the federal permit will no longer be issued by the EPA. Per 3 March 1989 telephone conversation between Elizabeth Betz/MARCORPS Base and Wanda Edwards/NEESA, activity supposed to reapply for state permit but as of this date they have not done so.



TABLE 3

## OIL AND HAZARDOUS SUBSTANCE SPILLS SUMMARY

PERIOD COVERED: FY88COMPONENT: MARINE CORPS

SPILL DATA	AS OF LAST PERIOD (861001-870930)	AS OF CURRENT PERIOD (871001-880930)
1. No. of <u>major oil spills</u> * (Note 1)	0	0
2. No. of <u>medium oil spills</u> *	0	1
3. No. of <u>minor oil spills</u> *	23	33
4. No. of reportable <u>hazardous substance spills</u> * (Note 1)	2	4
5. <u>SPCC</u> * status by installation	////////////////////	////////////////////
A. No. of plans required by service regulations or environmental laws	14	12
B. Written plans incomplete	7	8
C. Construction actions incomplete	3	0

Note 1. Narrative: On a separate sheet, briefly describe amount spilled, location, effect, and control for the current period.

NOTE: Terms underlined and marked with an asterisk are defined in the glossary.



## SECTION 2. NO. OF MEDIUM OIL SPILLS: 1

M60050 MCAS El Toro Santa Ana, CA 2 Feb 1988; 3,000 gallons JP-5 jet fuel; valve not properly secured during fuel transfer

## SECTION 3. NO. OF MINOR OIL SPILLS: 33

M00243	MCRD San Diego, CA	1	
M00318	MCAS Kaneohe Bay, CA	1	
M00681	MCB Camp Pendleton, CA	1	
M60169	MCAS Beaufort, SC	24	spills on concrete during aircraft fueling operations
M67001	MCB Camp Lejeune, NC	4	
M67004	MCLB Albany, NY	1	
M67399	MCAGCC Twentynine Palms	1	

## SECTION 4. NO. OF REPORTABLE HAZARDOUS SUBSTANCE SPILLS: 4

UIC	ACTIVITY	SUBSTANCE	AMOUNT	LOCATION	DATE	EVENT	ACTIONS TAKEN
M67004	MCLB Albany, GA	Methylene Chloride/ Cresol	4,900 pounds	Bldg. 2200	05/20/88	Several small holes were discovered in vat containing cleaning solution. Solution released to sanitary sewer leading to industrial waste treatment plant.	Effluent samples from sanitary sewer indicate high chloroform reading. Vat has been emptied; will undergo integrity test. Vat is located at solid waste management unit site.
M67004	MCLB Albany, GA	Dielectric Fluid containing PCB, pyranol	10 pounds	Truck Gate #5	06/07/88	Transformer was struck by lightning; no immediate threat.	Area roped off; emergency response team covered soil with screen plastic. Area has been bermed.
M67004	MCLB Albany, GA	Dielectric Fluid containing 1470 pyranol	36 pounds	Land	08/01/88	Transformer leaked due to loose gasket around bushing.	Area roped off; contaminated soil covered with Viscreen plastic. Leak containerized; contractor to perform sampling.
M67399	MCAGCC Twentynine Palms CA	Dilute Calcium Hypochlorite solution	150 pounds	Land	08/23/88	Improper storage of incompatible chemicals caused fire to break out in storage building. Broken bottle believed to be the cause of chemical reaction that started fire.	People were evacuated; hazardous material team responded with level A protection; allowed material to cool down and cease reacting. Material placed in overpack drums and sent to hazardous waste storage facility.



## SECTION 5. SPCC STATUS BY INSTALLATION

## A. NO. OF PLANS REQUIRED BY SERVICE REGULATIONS OR ENVIRONMENTAL LAWS: 12

1. M00146 MCAS Cherry Point, NC
2. M00243 MCRD San Diego, CA
3. M00263 MCRD Parris Island, SC
4. M00264 MCCDC Quantico, VA
5. M00318 MCAS Kaneohe Bay, CA
6. M60050 MCAS El Toro Santa Ana, CA
7. M60169 MCAS Beaufort, SC
8. M62535 MCAS (H) Tustin, CA
9. M67001 MCB Camp Lejeune, NC
10. M67004 MCLB Albany, GA
11. M67385 CAMP H.M. Smith, HI
12. M67399 MCAGCC Twentynine Palms, CA

## B. WRITTEN PLANS INCOMPLETE: 7

	<u>Last Review Date</u>	<u>Remarks</u>
1. M00146 MCAS Cherry Point, NC	JUN 84	
2. M00263 MCRD Parris Island, SC	MAY 81	
3. M00264 MCCDC Quantico, VA		Plan being written
4. M60169 MCAS Beaufort, SC		Plan sent to SOUTHDIV for recertification
5. M67001 MCB Camp Lejeune, NC	AUG 83	
6. M67004 MCLB Albany, GA		Plan requires update
7. M67399 MCAGCC Twentynine Palms, CA		Plan in draft; estimated completion date MAR 89



Glossary - 2.2

Hazardous Substance Spills (Table 3)

Substances listed by EPA which meet characteristics and quantities (for reporting purposes) specified by EPA under Clean Water Act regulations.

Installation (Tables 2 and 3)

A grouping of facilities located in the same vicinity, which supports particular functions. Installations may be elements of a base or complex. Normally, an installation is under the control of an individual installation commander.

Major Permitted Discharges (Table 2)

An installation with one or more "major" NPDES permitted discharges.

Major NPDES Permitted Discharge (Table 2)

An NPDES permit which is classified by EPA as a "major." Any discharge out of compliance causes the permit to be out of compliance. A list of major NPDES permits has been provided to the components by EPA Headquarters.

Major Oil Spill (Table 3)

A reportable oil spill which is either:

- o over 100,000 gallons in coastal waters, or
- o over 10,000 gallons in inland waters.

Medium Oil Spill (Table 3)

A reportable oil spill which is either:

- o between 10,000 gallons and 100,000 gallons in coastal waters, or
- o between 1,000 gallons and 10,000 gallons in inland waters.

Minor Permitted Discharges (Table 2)

An installation with one or more NPDES permitted discharges, none of which is classified as major.

Minor NPDES Permitted Discharge (Table 2)

An NPDES permit which is classified by EPA as a "minor." Any discharge out of compliance causes the permit to be out of compliance.



Minor Oil Spill (Table 3)

A reportable oil spill which is either:

- o under 10,000 gallons in coastal waters, or
- o under 1,000 gallons in inland waters.

NPDES Permitted Discharge (Table 2)

A discharge included under a National Pollutant Discharge Elimination System (NPDES) permit or equivalent document issued by the Administrator of EPA or, where appropriate, by a state agency, after the enactment of the Federal Water Pollution Control Act Amendments of 1972. Where several discharges are included in the same permit, each discharge will be counted as a separate NPDES Permitted Discharge.

Notice of Violation (NOV) (Table 2)

An official written notice by EPA or an authorized state or local environmental regulatory agency of a violation of law or regulation.

Out of Compliance (Table 2)

This is to be a self-assessment by the DoD component, and is independent of official NOV's. A condition in which a source is failing to comply with an applicable regulatory requirement which could be expected to result in an NOV if inspected by the appropriate regulatory agency.

SPCC (Table 3)

Oil and/or hazardous substance spill prevention, control, and countermeasures. SPCC plans are considered complete and current if they have been prepared and certified by a professional engineer on the required schedule. Projects required pursuant to SPCC plans are to be reported separately from the plans themselves.



2.3 - Management Indicators for Solid and Hazardous Waste

- a. Table 4 shows overall management indicators for each component's compliance status with the hazardous waste regulations of the Resource Conservation and Recovery Act (RCRA).
- b. Table 5 provides management indicators for leaking underground storage tanks regulated through the Resource Conservation and Recovery Act (RCRA).
- c. Table 6A provides summary information on polychlorinated biphenyls (PCBs) at the total component level. Table 6B is a summary of hazardous waste activity. Both Table 6A and Table 6B are expressed on a calendar year basis to conform with EPA recordkeeping requirements and are due by May 1.
- d. Table 7 provides management indicators for compliance with solid waste landfill (non-hazardous) regulations under RCRA.
- e. Table 8 indicates trends and methods of management for specialized waste. Table 8 is expressed on a calendar year basis to conform with established recordkeeping requirements and is due by May 1.



TABLE 4  
HAZARDOUS WASTE COMPLIANCE STATUS

PERIOD COVERED: FY88

COMPONENT: MARCORPS

COMPLIANCE DATA	AS OF LAST PERIOD (861001-870930)	AS OF CURRENT PERIOD (871001-880930)
1. No. of <u>Installations*</u>	//////	//////
A. With Part A permits (interim status)	4	8
B. With Part B application in process ( <u>Note 1</u> )	3	4
C. With final Part B permits	7	5
D. Part B permits required solely due to <u>storage</u>	10	6
2. No. of <u>Facilities*</u> (total) on 9/30	29	22
A. <u>Treatment*</u>	1	5
B. <u>Storage*</u>	28	17
C. <u>Disposal*</u>	1	0
3. No. of <u>notices of violation (NOVs)*</u> ( <u>State/EPA</u> )#	//////	//////
A. No. of NOVs unresolved at the start of period (total)	2	3/1
1. NOVs which require administrative or operational changes to resolve	2	2/1
2. NOVs which require pollution <u>abatement project(s) to resolve+</u>	1	1/0
B. No. of NOVs received during period (total)	7	3/2
1. NOVs which require administrative or operational changes to resolve	6	3/2
2. NOVs which require pollution <u>abatement project(s) to resolve+</u>	5	0
C. No. of NOVs resolved during period (total)	6	2/1
1. By administrative or operational methods	5	2/1
2. By pollution abatement projects +	2	0
4. No of installations with RCRA required <u>groundwater monitoring programs</u>	2	5
5. No. of installations with <u>groundwater</u> <u>contamination*</u> from RCRA facilities	2	4
6. No. of installations with remedial action required at TSD facilities (to satisfy NOVs)	3	3

Note 1: Part B in process refers to a Part B permit which has been called for or submitted but not issued.

NOTE: Terms underlined and marked with an asterisk are defined in the glossary.

# New requirement for FY88

+ Provide a list of A-106 (or 1383) Project Numbers for these projects



BACKUP DATA FOR TABLE 4, HAZARDOUS WASTE COMPLIANCE STATUS

MARCORPS FY88

1. Number of Installations		
A. with Part A Permits	TOTAL:	8
B. with Part B in Process	TOTAL:	4
C. with Final Part B	TOTAL:	5
D. with Part B permits required storage only	TOTAL:	6
2. No. of Facilities	TOTAL:	22
A. Treatment	TOTAL:	5
B. Storage	TOTAL:	17
C. Disposal	TOTAL:	0

UIC	ACTIVITY/LOCATION	Part A Permit	Part B in Process	Final Part B	Part B Stor Only	Facilities		
						T	S	D
M00146	MCAS Cherry Point	X	4/3/85			2	1	
M00263	MCRD Parris Island	X						
M00264	MCCDC Quantico	X	10/87				1	
M00318	MCAS Kaneohe Bay							
M00681	MCB Camp Pendleton	X		6/27/85	X		1	
M60050	MCAS El Toro			12/26/86	X		7	
M60169	MCAS Beaufort	X	9/21/84			1	2	
M62204	MCLB Barstow	X	6/28/85			2	2	
M62535	MCAS (H) Tustin			7/18/85	X		1	
M62974	MCAS Yuma	X			X			
M67001	MCB Camp Lejeune	X(OBOD)		9/07/84	X		1	
M67004	MCLB Albany			11/20/86	X		1	

NOTES:

M00243 MCRD San Diego Has 1 temporary storage facility.

M00263 MCRD Parris Island is not filing for a Part B. They will let the interim permit expire in November 1992 and revert to generator only.

M62974 MCAS Yuma applied for Part B on 7 November 1988. Not counted in FY88 DESR.

M67001 MCB Camp Lejeune filed additional Part B for Open Burning, Open Detonation (OBOD) on 8 Nov 88.



DESR BACKUP TABLE 4 (continued)

FY88

3. NUMBER OF NOTICES OF VIOLATIONS (NOVs)

A. NOVs UNRESOLVED AT START OF PERIOD

TOTAL: 2 State, 1 EPA

1. which require administrative or operational changes to resolve.

TOTAL: 3

M00146 MCAS Cherry Point 9/18/87 STATE. Hazardous waste disposed into domestic polishing pond without permit. Closure plan is being submitted.

M00264 MCCDC Quantico May 1987 STATE. Various RCRA violations. A consent order is being written.

M67001 MCB Camp Lejeune 8/11/87 EPA. Disposal of munitions without a permit, disposal of waste oil as Hazardous Waste. The waste oil problem has been addressed. A permit was applied for OBOD on 8 Nov 88. (FY89)

2. which require pollution abatement project to resolve.

TOTAL: 1 State

M62974 MCAS Yuma 7/27/87 STATE. Failure to: mark containers correctly, submit Closure Plan, close containers, minimize possibility of fire or unplanned release of HW, be equipped with alarm system for emergency instruction, be equipped with decontamination equipment, have water at adequate volume & pressure, develop contingency plan, measure tank level daily, calculate material balance in tank daily, remove HW from underground tank when leak detected. Violations addressed except for closure plan, site assessment plan and removal of sludge--an extension has been granted. Project needed to clean up underground tanks.

B. NUMBER OF NOVs RECEIVED DURING FY88

TOTAL: 3 State, 2 EPA

B.1. which require administrative or operational changes to resolve.

TOTAL: 5

M00146 MCAS Cherry Point 9/30/88, EPA. Open containers, No Monitoring wells. Groundwater Monitoring Plan is being submitted.

M00264 MCCDC Quantico March 1988, STATE. Various RCRA violations; Storage, inspections, aisle space. A consent Order is being prepared.

M62204 MCLB Barstow 5/88 STATE. Industrial Waste reporting requirements Resolved FY88

M67004 MCLB Albany 6/7/88, STATE. HW release not immediately identified, Fire extinguishers not inspected, training not completed, accumulation date not marked on containers. Resolved 7/88

7/29/88 EPA. Undated drums, incompatible storage of waste, paperwork not current, fire extinguisher too small, records not available to inspector. Resolved 9/88

C.1. NOVs RESOLVED DURING PERIOD WHICH require administrative or operational changes to resolve.

TOTAL: 2 State, 1 EPA

See sections 3.A and 3.B for dates resolved



DESR BACKUP TABLE 4 (continued)

FY88

4. Installations with RCRA required groundwater monitoring programs. TOTAL: 5

M00146 MCAS Cherry Point  
M00264 MCCDC Quantico  
M00681 MCB Camp Pendleton  
M62974 MCAS Yuma  
M67004 MCLB Albany

5. Installations with groundwater contamination from RCRA facilities. TOTAL: 5

M00146 MCAS Cherry Point Various sites. NADEP related wastes: chlorinated solvents, petroleum oil and lubricant, PCBs. All the sites are a part of the IR process, which is in the final stage of RI.

M00264 MCCDC Quantico (1) Exchange Gas Station, Fuel leak while filling tanks. Spilled 750-950 gallons. approximately 895 gallons recovered. Injected Bio-solv. In process of doing site characterization.  
(2) IRP Program - Still under RI/FS.

M62204 MCLB Barstow Well #3. Pollutants are coming downriver from an unconfirmed origin. The city of Barstow is located North of MCLB and they have dumped pollutants into the river. MCLB is currently working on a contract to filter the well (due June-July).

M67004 MCLB Albany IWTP Sludge Beds (under closure). TCEs. There is a 30-year plan to pump dry.

6. Installations with remedial action required at TSD facility (to satisfy NOV): TOTAL: 3

M00146 MCAS Cherry Point  
M00681 MCB Camp Pendleton  
M62974 MCAS Yuma

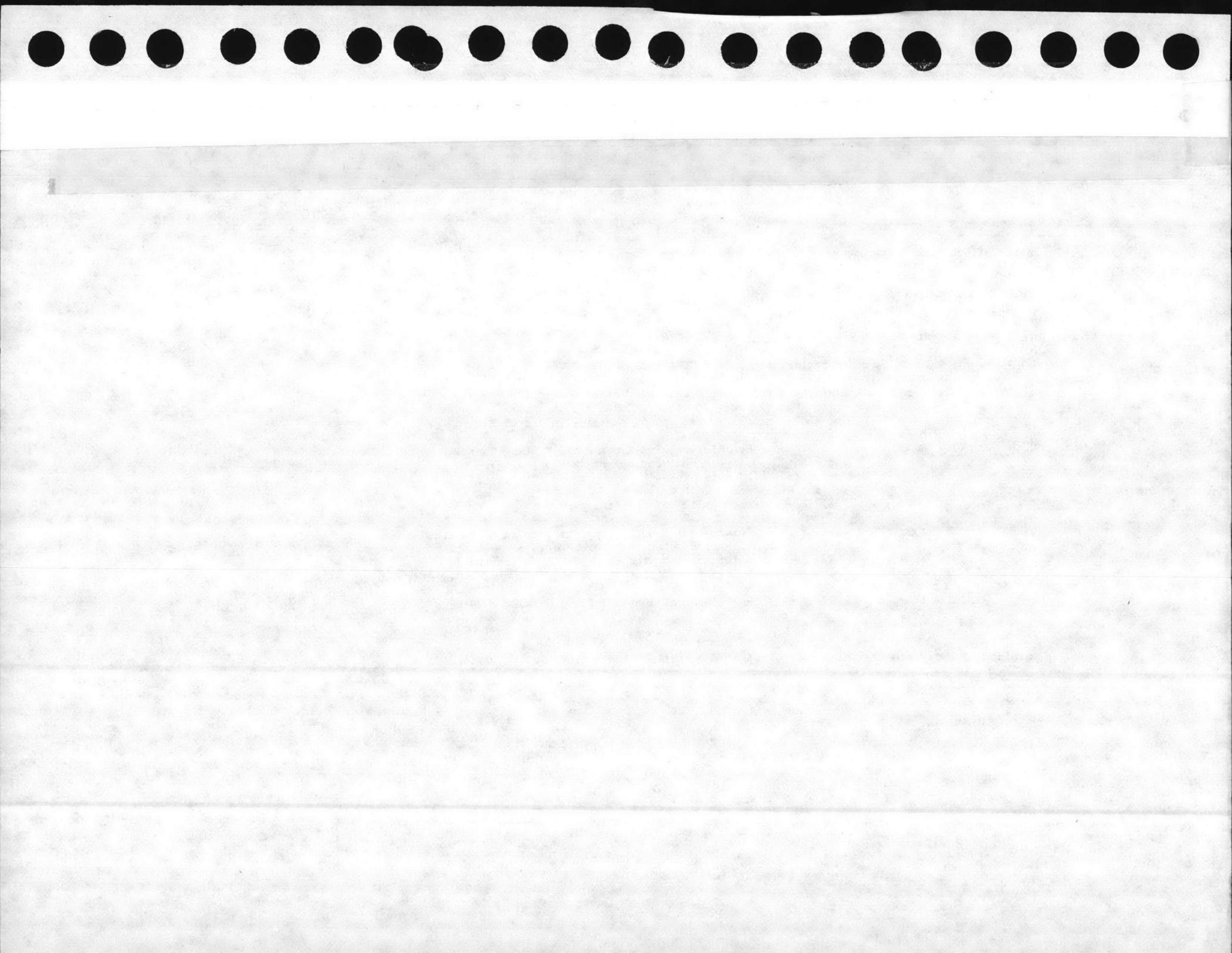


TABLE 5

## UNDERGROUND STORAGE TANKS (UST) PROGRAM SUMMARY

PERIOD COVERED: FY88COMPONENT: MARINE CORPS

UST PROGRAM DATA	AS OF LAST PERIOD (861001-870930)	AS OF CURRENT PERIOD (871001-880930)
1. No. of <u>installations*</u> subject to UST <u>regulations*</u>	13	15
2. No. of tanks subject to UST regulations	////////////////////	////////////////////
A. Total No. of tanks	1,289	2,364
B. No. of "LARGE" tanks (20,000 to 1 Mil Gallons)	143	207
C. No. of "BULK" tanks (1 Mil Gallons or Larger)	0	0
3. No. of installations out of compliance* on 9/30	////////////////////	+ 13
A. Which require administrative or operational changes to resolve	20	2
B. Which require pollution abatement project(s) to resolve	14	13
4. Total No. of tanks out of compliance on 9/30	////////////////////	2,150
A. Which require administrative or operational changes to resolve	89	24
B. Which require pollution abatement project(s) to resolve	760	2,126
5. No. of "LARGE" tanks out of compliance on 9/30	////////////////////	129
A. Which require administrative or operational changes to resolve	23	4
B. Which require pollution abatement project(s) to resolve	65	125
6. Leak Detection	////////////////////	////////////////////
A. No. of tanks tested for leaks	187	57
B. No. leaking tanks or pipelines identified	108	27
C. No. leaking tanks repaired or replaced	10	2

NOTE: Terms underlined and marked with an asterisk are defined in the glossary.

+ Two installations have tanks out of compliance in both categories.



## DESR BACKUP TABLE 5

FY88  
MARINE CORPS

SECTION 1. NO. OF INSTALLATIONS SUBJECT TO UST REGULATIONS: 15

SECTION 2. NO. OF TANKS SUBJECT TO UST REGULATIONS:

A. TOTAL: 2,364  
B. LARGE: 207  
C. BULK: 0

	2.A	2.B	2.C
	TOTAL	LARGE	BULK
1. M00146 MCAS Cherry Point, NC	122	24	0
2. M00243 MCRD San Digeo, CA	28	6	0
3. M00263 MCRD Parris Island, SC	20	8	0
4. M00264 MCCDC Quantico, VA	107	4	0
5. M00318 MCAS Kaneohe Bay, HI	116	30	0
6. M00681 MCB Camp Pendleton, CA	745	19	0
7. M60050 MCAS El Toro Santa Ana, CA	355	37	0
8. M60169 MCAS Beaufort, SC	35	6	0
9. M62204 MCLB Barstow, CA	66	32	0
10. M62535 MCAS (H) Tustin, CA	67	13	0
11. M62974 MCAS Yuma, AZ	75	20	0
✓ 12. M67001 MCB Camp Lejeune, NC	450	1	0
13. M67004 MCLB Albany, GA	37	6	0
14. M67385 Camp H.M. Smith, HI	28	0	0
15. M67399 MCAGCC Twentynine Palms, CA	103	1	0

SECTION 3. NO. OF INSTALLATIONS OUT OF COMPLIANCE ON 9/30: 13

A. REQUIRING ADMIN/OP CHANGES: 2

B. REQUIRING POLLUTION ABATEMENT PROJECTS: 13

SECTION 4. NO. OF TANKS OUT OF COMPLIANCE ON 9/30: 2,150

A. REQUIRING ADMIN/OP CHANGES: 24

B. REQUIRING POLLUTION ABATEMENT PROJECTS: 2,126

SECTION 5. NO. OF LARGE TANKS OUT OF COMPLIANCE ON 9/30: 129

A. REQUIRING ADMIN/OP CHANGES: 4

B. REQUIRING POLLUTION ABATEMENT PROJECTS: 125

## CRITERIA FOR OUT OF COMPLIANCE

Since Federal and state regulations require USTs to be tested for leaks, if a tank hasn't been tested, it is counted as out of compliance.

Also, if a tank has been tested and found to be leaking, it is counted as out of compliance.



## DESR BACKUP TABLE 5 (continued)

FY88  
MARINE CORPS

		4.A		5.A		5.B		PCR #
		ADMIN	PCR	LARGE ADMIN	LARGE PCR	LARGE ADMIN	LARGE PCR	
1.	M00146 MCAS Cherry Point, NC	0	118	0	20			S087B
2.	M00243 MCRD San Diego, CA	4	20	4	2			S125B S125C
3.	M00264 MCCDC Quantico, VA	0	107	0	4			No PCR #
4.	M00318 MCAS Kaneohe Bay, HI		36					S215A
5.	M00681 MCB Camp Pendleton, CA	0	745	0	19			S097B S097C
6.	M60050 MCAS El Toro Santa Ana	0	355	0	37			S185B
7.	M60169 MCAS Beaufort, SC	0	35	0	6			S209B
8.	M62535 MCAS (H) Tustin, CA	0	67	0	13			S186B
9.	M62974 MCAS Yuma, AZ	0	64	0	20			No PCR #
10.	M67001 MCB Camp Lejeune, NC	0	451	0	1			S143A
11.	M67004 MCLB Albany, GA	0	18	0	2			S189B
12.	M67385 Camp H.M. Smith, HI	0	28	0	0			S212A
13.	M67399 MCAGCC Twentynine Palms	20	82	0	1			S119C

## SECTION 6. LEAK DETECTION

A. NO. OF TANKS TESTED FOR LEAKS: 57  
 B. NO. LEAKING TANKS OR PIPELINES IDENTIFIED: 27  
 C. NO. LEAKING TANKS REPAIRED OR REPLACED: 2

		6.A	6.B	6.C
		TESTED	LEAKED	REPAIRED
1.	M00146 MCAS Cherry Point, NC	4	0	0
2.	M00243 MCRD San Diego, CA	2	0	0
3.	M60050 MCAS El Toro Santa Ana, CA	3	3	2
4.	M62535 MCAS (H) Tustin, CA	1	1	0
5.	M62974 MCAS Yuma, AZ	10	4	0
6.	M67004 MCLB Albany, GA	37	19	0



TABLE 6A AND TABLE 6B  
PCB INVENTORY AND HAZARDOUS WASTE SUMMARY  
PROVIDED ON A CALENDAR YEAR BASIS



TABLE 7

## SOLID WASTE LANDFILL (NON-HAZARDOUS) COMPLIANCE STATUS

PERIOD COVERED: FY88COMPONENT: U.S. MARINE CORPS

COMPLIANCE DATA	As of Last Period (861001-870930)	As of Current Period (871001-880930)
1. No. of <u>installations*</u>	//////	//////
A. With <u>permitted*</u> active landfills	9	8
B. With permitted active landfills; but out of compliance with EPA/state regulations on 9/30	0	0
2. No. of active landfills	//////	//////
A. Permitted	9	9
B. Not permitted	0	1
3. No. of active landfills receiving small quantity generator hazardous waste	0	1
4. No. of inactive landfills	8	25
5. No. of <u>notices of violation (NOVs)*</u>	//////	//////
A. No. of NOVs unresolved at the start of period (TOTAL)	1	0
1. NOVs which require administrative or operational changes to resolve	1	0
2. NOVs which require pollution abatement project(s) to resolve +	1	0
B. No. of NOVs received during period (TOTAL)	1	3
1. NOVs which require administrative or operational changes to resolve	0	3
2. NOVs which require pollution abatement project(s) to resolve +	0	0
C. No. of NOVs resolved during period (TOTAL)	0	3
1. By administrative or operational methods	1	3
2. By pollution abatement project(s)+	0	0

NOTE: Terms underlined and marked with an asterisk are defined in the glossary.

+ Provide a list of A-106 (or 1383) Project Numbers for these projects



U

SOLID WASTE LANDFILLS

1. Number of Installations

A. With Permitted Active Landfills Total: 8

MCAGCC 29 Palms	MCB Camp Pendleton
MCAS Cherry Point	MCDCC Quantico
MCRD Parris Island	MCLB Barstow
MCB Camp Lejeune	MCLB Albany

B. Permitted Landfills But Out of Compliance with EPA/State Requirements Total: 0

2. Number of Active Landfills

A. Permitted Total: 9

MCAGCC 29 Palms - 1  
 MCB Camp Pendleton - 2  
 MCAS Cherry Point - 1  
 MCDCC Quantico - 1  
 MCRD Parris Island - 1  
 MCLB Barstow - 1  
 MCB Camp Lejeune - 1  
 MCLB Albany - 1

B. Not Permitted (currently in operation) Total: 1

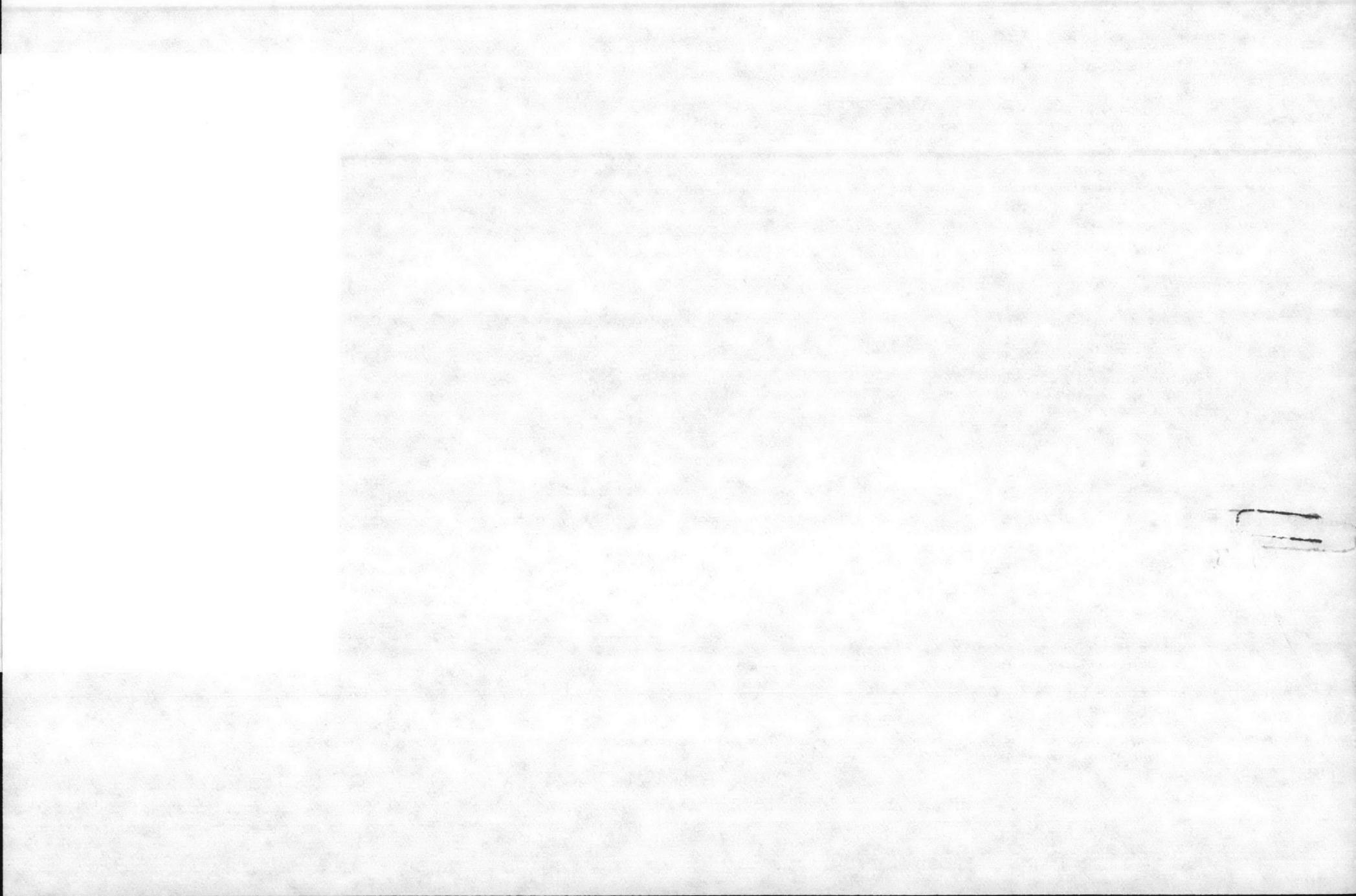
MCDCC Quantico - 1

3. Number of Active Landfills Receiving Small Quantity Generator Hazardous Waste. Total: 1

MCB Camp Lejeune - 1 (Elliotts Beach -Closed Out)

4. Number of Inactive Landfills Total: 25

MCAS El Toro - 4  
 MCAGCC 29 Palms - 2  
 MCB Camp Pendleton - 1 (Box Canyon; Awaiting Final Closure )  
 MCAS Tustin - 1  
 MCAS Kaneohe Bay - 2  
 MCAS Beaufort - 3  
 MCAS Cherry Point - 2  
 MCDCC Quantico - 1  
 MCLB Albany - 9 Cercla sites



BACKUP DATA FOR TABLE 7

MARCORPS FY88

SOLID WASTE LANDFILLS

1. Number of Installations

A. With Permitted Active Landfills Total: 8

MCAGCC 29 Palms	MCB Camp Pendleton
MCAS Cherry Point	MCDCC Quantico
MCRD Parris Island	MCLB Barstow
MCB Camp Lejeune	MCLB Albany

B. Permitted Landfills But Out of Compliance with EPA/State Requirements  
Total: 0

2. Number of Active Landfills

A. Permitted Total: 9

MCAGCC 29 Palms - 1  
MCB Camp Pendleton - 2  
MCAS Cherry Point - 1  
MCDCC Quantico - 1  
MCRD Parris Island - 1  
MCLB Barstow - 1  
MCB Camp Lejeune - 1  
MCLB Albany - 1

B. Not Permitted (currently in operation) Total: 1

MCDCC Quantico - 1

3. Number of Active Landfills Receiving Small Quantity Generator Hazardous Waste. Total: 1

MCB Camp Lejeune - 1 (Elliotts Beach -Closed Out)

4. Number of Inactive Landfills Total: 25

MCAS El Toro - 4  
MCAGCC 29 Palms - 2  
MCB Camp Pendleton - 1 (Box Canyon; Awaiting Final Closure )  
MCAS Tustin - 1  
MCAS Kaneohe Bay - 2  
MCAS Beaufort - 3  
MCAS Cherry Point - 2  
MCDCC Quantico - 1  
MCLB Albany - 9 Cercla sites



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BACKUP DATA FOR TABLE 7 (Continued)

MARCORPS FY88

A. NOVs Unresolved at the Start of the Period. Total: 0

B. Number of Violations received During Period Total: 3

MCAGCC 29 Palms - 1  
MCLB Barstow - 1  
MCLB Albany - 1

C. Number of Violations Resolved During Period Total: 3

MCAGCC 29 Palms - 1 Resolved by administrative efforts  
MCLB Barstow - 1 Resolved by administrative efforts  
MCLB Albany - 1 Resolved by closing site and withdrawing permit.



U

TABLE 8  
SPECIALIZED WASTE  
PROVIDED ON A CALENDAR YEAR BASIS



Glossary - 2.3

Amount (Table 8)

Include total burned.

Disposal (Table 4)

As defined by applicable regulations.

Disposed Off-site (Table 6B)

Any transfer off DoD property to commercial contractors, no matter how the contractor manages the waste except closed loop off-site treatment.

Disposed On-site (Table 6B)

Refers to waste which is committed to a unit that requires a land disposal permit or has a categorical exclusion and is located on DoD property whether or not it is the property where the waste was generated.

Facilities (Table 4)

Facilities refers to plants, buildings, or operations engaged in treatment, disposal, or storage. Several hazardous waste facilities may be located on a single installation.

Generating, Generated, Generation, Generator (Table 6B)

A hazardous waste generator as defined in EPA's hazardous waste regulations or corresponding authorized state regulations.

Groundwater Contamination (Table 4)

Contamination as defined in 40 CFR 265.90 through 40 CFR 265.93 for interim status and 40 CFR 264.90 through 40 CFR 264.00 for full permit RCRA facilities.

Hazardous Waste (Tables 6B & 8)

Wastes listed by EPA, or authorized state or local agencies, or which meet characteristics specified by EPA in its criteria pursuant to regulations under the Resource Conservation and Recovery Act.



Installation (All Tables)

A grouping of facilities located in the same vicinity, which supports particular functions. Installations may be elements of a base or complex. Normally, an installation is under the control of an individual installation commander.

Net Revenue (Table 8)

Gross revenue minus costs (may be negative).

Non-Sewerable (Table 6B)

Quantity of hazardous waste generated which is managed any other way except for discharge to sewers.

Notice of Violation (NOV) (Tables 4 and 7)

An official written notice by EPA or an authorized state or local environmental regulatory agency of a violation of law or regulation.

Out of Compliance (Table 5)

This is to be a self-assessment by the DoD component, and is independent of official NOV's. A condition in which a source is failing to comply with an applicable regulatory requirement which could be expected to result in an NOV if inspected by the appropriate regulatory agency.

Permitted (Table 7)

A source for which a required permit to operate has been obtained from the appropriate regulatory agency.

Qualifying Recycling Programs (Table 8)

Programs designated by a DoD component to use the proceeds from sales of recyclable materials to finance projects as described in 10 USC 2577. The programs must consist of organized operations exhibiting concerted efforts to divert or recover wastes, as well as identification, segregation, and maintenance of the integrity of recyclable materials to enhance their marketability.

Regulations (Table 5)

Laws and regulations promulgated under Subtitle I of the Hazardous and Solid Waste Amendment of 1984 to the Resource Conservation and Recovery Act (RCRA); include Federal requirements and state and local requirements.



Re-refining (Table 8)

Processing to remove impurities so that a product is again suitable for its original purpose.

Sewerable (Table 6B)

Quantity of hazardous waste generated which is discharged into sewerage systems.

Spill Residues (Table 6B)

The quantity of hazardous waste from the response to a new incident which is collected within 6 months of the probable occurrence of the incident.

Solvent Rental (Table 8)

Supplier owns the solvent and charges installation for solvent service.

Storage (Table 4)

In storage as of reporting date awaiting disposal.

Treatment (Table 4)

As defined by the applicable regulations (treatment includes OB/OD ordnance which is classified as thermal treatment).

Treatment Off-site (Table 6B)

Includes only closed loop contractor recycling where product is returned. All other off-site contractor activity is disposal.

Treatment On-site (Table 6B)

Treatment by DoD or DoD contractor on DoD property whether or not it is the property where generation occurs. Treatment includes incineration and other thermal treatments.

Used Oil (Table 8)

Oil with characteristics that have changed since being manufactured but that may be suitable for further use. The term includes contaminated fuels and lubricating oils (crankcase oil, cutting oil, gear lubricant, metal working lubricant, hydraulic oil, transmission fluid).



Used Oil Fuel (Table 8)

Any non-virgin fuel containing a used oil item including solvents or any waste materials such as paints or thinners or any unused fuels mixed with any of these items.

Used Oil Items (Table 8)

Includes synthetic and mineral; motor oils, turbine oils, gear oils, hydraulic fluids, brake fluids and transmission fluids and antifreeze/coolant but excludes solvents, unused contaminated fuels, oils waste primarily water, and sludges.

Virgin Fuel (Table 8)

Unless otherwise specified, purchased fuels may be considered virgin.



2.4 - Management Indicators for the Installation Restoration Program

- a. Table 9 gives overall management indicators for each component's Installation Restoration (IR) program by comparing current and previous periods.



TABLE 9  
INSTALLATION RESTORATION PROGRAM OVERVIEW

PERIOD COVERED: FY88

COMPONENT: MARINE CORPS

PROGRAM DATA	AS OF LAST PERIOD (861001-870930)	AS OF CURRENT PERIOD (871001-880930)
1. NO. OF INSTALLATIONS WITH PRELIMINARY ASSESSMENT/SITE INSPECTION (PA/SI)* STARTED/COMPLETED	15/15	18/9
2. NO. OF SITES*:	////////////////////	////////////////////
A. WHERE PA/SI RECOMMENDS REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS)*	120	63
B. WHICH HAVE STARTED/COMPLETED RI/FS	120/0	59/0
C. WHERE RI/FS RECOMMENDS REMEDIAL DESIGN/REMEDIAL ACTION (RD/RA)*	10	0
D. WHICH HAVE STARTED/COMPLETED RD/RA (1)	3/1	4/3
E. WHICH HAVE STARTED LONG TERM MONITORING (LTM)*	0	1
3. NO. OF INSTALLATIONS ON FEDERAL AGENCY HAZARDOUS WASTE COMPLIANCE DOCKET (2)	19	20
A. NO. OF INSTALLATIONS ON DOCKET WHICH HAVE STARTED/COMPLETED PA/SI	15/15	20/10
B. NO. OF INSTALLATIONS ON DOCKET SCORED BY HAZARD RANKING SYSTEM	4	7
4. NO. OF INSTALLATIONS PROPOSED FOR/ON NATIONAL PRIORITIES LIST (NPL)*	0	3
A. NO. OF INSTALLATIONS ON NPL WHICH HAVE:	////////////////////	////////////////////
1. STARTED/COMPLETED RI/FS	0/0	3/0
2. STARTED/COMPLETED INTERAGENCY AGREEMENT NEGOTIATIONS WITH EPA (3)	0/0	0/0
3. STARTED/COMPLETED RECORD OF DECISION (1)	0/0	0/0
4. STARTED/COMPLETED REMOVAL ACTION* (1)	0/0	0/0
5. STARTED/COMPLETED RD/RA (1)	0/0	0/0
6. STARTED LTM	0	0
B. NO. OF SITES ON NPL	0	39

- NOTES: 1) PROVIDE A BRIEF SUMMARY OF THOSE ACTIONS WHICH OCCURRED DURING THE CURRENT PERIOD.  
 2) REPORT THE MOST RECENT SUBMITTAL TO EPA UNDER CURRENT PERIOD; PREVIOUS SUBMITTAL UNDER LAST PERIOD.  
 3) PROVIDE THE FOLLOWING INFORMATION REGARDING INTERAGENCY AGREEMENTS IN ACCORDANCE WITH SARA SEC 120(e)(5):  
 A) THE SPECIFIC COST ESTIMATES AND BUDGETARY PROPOSALS INVOLVED IN EACH INTERAGENCY AGREEMENT.  
 B) A BRIEF SUMMARY OF THE PUBLIC COMMENTS REGARDING EACH PROPOSED INTERAGENCY AGREEMENT.  
 C) A DESCRIPTION OF THE INSTANCES IN WHICH NO AGREEMENT COULD BE REACHED WITHIN MANDATED TIMEFRAME,  
 INCLUDING AN EXPLANATION OF REASONS WHY NO AGREEMENT WAS REACHED.  
 4) \* TERMS MARKED WITH AN ASTERISK ARE DEFINED IN THE GLOSSARY.



NOTE 1 DESR TABLE 9

FY88  
MARINE CORPS

FOR SECTION 2.D. (NO. OF SITES WHICH HAVE STARTED/COMPLETED RD/RA)

PROVIDE A BRIEF SUMMARY OF THOSE ACTIONS WHICH OCCURRED DURING THE CURRENT PERIOD; THESE ACTIONS OCCURRED DURING FY88:

		<u>RD/RA</u>	<u>RD/RA</u>	<u># OF</u>	<u>RD/RA</u>	<u>COST</u>	<u>PA/SI</u>
		<u>STARTED</u>	<u>COMPLETED</u>	<u>SITES</u>	<u>PCR #</u>	<u>(\$K)</u>	<u>REPORT #</u>
1.	M62535 MCAS (H) TUSTIN CA 075-001 MOFFETT TRENCHES AND CRASH CREW PITS Designed and constructed French drain system to contain and collect contaminated leachate for treatment and disposal. Existing channel was also repaired.	09/85	08/88	1	C106D	683	75
2.	M64495 MCMWTC BRIDGEPORT CA 151-003 NEW DINING HALL Contaminated soil excavated and stockpiled; will be treated and disposed.	08/84	08/88	1	C120A	260	151



NOTES

1. Changes from FY87 to FY88 result from re-defining of terms "PRELIMINARY ASSESSMENT/SITE INSPECTION" ("PA/SI) and "REMEDIAL INVESTIGATION/FEASIBILITY STUDY" ("RI/FS"), and re-classification of some FY87 "RI/FS" as "PA/SI" in FY88.

2. Because the Federal Agency Hazardous Waste Compliance Docket lists some installations twice, Section 1 shows 18 installations with PA/SI started, while Section 3.A shows 20 installations with PA/SI started. For example, MCAS Tustin is listed on the docket twice with 2 different zip codes:

MARINE CORPS AIR STATION TUSTIN ZIP 92719  
MARINE CORPS AIR STN TUSTIN CA ZIP 92710-5001

Using the DESR Glossary definition of "INSTALLATION" it is only counted once in Section 1. Using the docket it is counted twice in Section 3.A.



SECTION 1. NO. OF INSTALLATIONS WITH PRELIMINARY ASSESSMENT/SITE INSPECTION (PA/SI) STARTED/COMPLETED: 18/9  
 SECTION 2.A. NO. OF SITES WHERE PA/SI RECOMMENDS REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS): 63

		PA/SI STARTED	PA/SI COMPLETED	# OF SITES RECOMMENDED FOR RI/FS	PA/SI PCR NO.	PA/SI REPORT NO.
1.	M00146 MCAS CHERRY POINT NC 009-001 BORROW PIT/LANDFILL 009-002 BORROW PIT/DUMP SITE 009-004 BORROW PIT/LANDFILL NORTH OF RUNWAY 14 009-005 STORAGE TANK FOR WASTE POL 009-006 FLY ASH PONDS 009-007 OLD INCINERATOR AND ADJACENT SITE 009-010 OLD SANITARY LANDFILL 009-013 TANK FARM A 009-015 AREA AND DITCH BEHIND NAVAIWORKFAC 009-016 LANDFILL AT SANDY BEACH 009-017 DPDO STORAGE YARD 009-018 FACILITIES MAINTENANCE COMPOUND 009-019 BORROW PIT/LANDFILL 009-021 BORROW PIT/LANDFILL	01/82	03/83	14	C019A	9
2.	M00243 MCRD SAN DIEGO CA	05/85	FUTURE 09/89	N/A	C111A	89
3.	M00263 MCRD PARRIS ISLAND SC	04/85	FUTURE 09/89	N/A	C087A	95
4.	M00264 MCCDC QUANTICO VA 043-001 PESTICIDE BURIAL AREA 043-004 OLD LANDFILL 043-005 OLD BATCH PLANT 043-007 RECENTLY CLOSED LANDFILL 043-013 BATTERY ACID DISPOSAL AREA 043-017 ARSENIC DISPOSAL AREA	03/84	03/84	6	C051A	43
5.	M00318 MCAS KANEHOE BAY HI	04/83	FUTURE 10/89	N/A	C045A	36
6.	M00318 PEARL HARBOR SERVICE STATION	01/88	07/88	0	C045D	183
7.	M00681 MCB CAMP PENDLETON 057-003 PEST CONTROL WASHRACK DRAINAGE DITCH 057-004 MARINE CORPS AIR FIELD DRAINAGE DITCH 057-005 FIRE FIGHTING DRILL FIELD 057-006 DPDO SCRAP YARD 057-008 LAS PULGAS LANDFILL	12/83	07/88	5	C074A	57
8.	M60050 MCAS EL TORO SANTA ANA CA	11/84	FUTURE 06/90	N/A	C089A	74
9.	M60169 MCAS BEAUFORT SC	04/85	FUTURE 09/89	N/A	C107A	94
10.	M62204 MCLB BARSTOW CA 035-002 PESTICIDE STORAGE AND WASHOUT AREA NEBO 035-005 CHEMICAL STORAGE AREA NEBO 035-009 FUEL DISPOSAL AREA 035-011 FUEL BURN AREA 035-018 SLUDGE WASTE DISPOSAL AREA YERMO	11/82	09/85	5	C042A	35



## DESR BACKUP TABLE 9

FY88  
MARINE CORPS

## SECTION 1 AND SECTION 2.A (continued)

		PA/SI STARTED	PA/SI COMPLETED	# OF SITES RECOMMENDED FOR RI/FS	PA/SI PCR NO.	PA/SI REPORT NO.
11.	M62535 MCAS (H) TUSTIN CA	11/84	FUTURE 06/90	N/A	C106A	75
12.	M62974 MCAS YUMA AZ 077-007 FIRE SCHOOL 077-009 SOUTHEAST SEWAGE LAGOONS	09/84	04/88	2	C096A	77
13.	M64495 MCMWTC BRIDGEPORT CA	12/87	FUTURE 12/89	N/A	C120E	151
14.	M67001 MCB CAMP LEJEUNE NC 011-001 FRENCH CREEK LIQUIDS DISPOSAL AREA 011-002 FORMER NURSERY/DAY CARE CTR (BLDG. 712) 011-006 STORAGE LOTS 201 AND 203 011-009 FIREFIGHTING TRAINING PIT 011-021 TRANSFORMER STORAGE LOT 140 011-022 INDUSTRIAL AREA TANK FARM 011-024 INDUSTRIAL AREA FLY ASH DUMP 011-028 HADNOT POINT BURN DUMP 011-030 SNEADS FERRY ROAD FUEL TANK SLUDGE AREA 011-035 CAMP GEIGER AREA FUEL FARM 011-036 CAMP GEIGER AREA DUMP NEAR STP 011-041 CAMP GEIGER DUMP 011-045 CAMPBELL STREET FUEL FARM 011-048 MCAS MERCURY DUMP SITE 011-054 CRASH CREW FIRE TRAINING BURN PIT 011-065 COURTHOUSE BAY LANDFILL 011-068 RIFLE RANGE DUMP 011-069 RIFLE RANGE CHEMICAL DUMP 011-073 COURTHOUSE BAY LIQUIDS DISPOSAL AREA 011-074 MESS HALL GREASE DISPOSAL AREA 011-075 MCAS BASKETBALL COURT SITE 011-076 MCAS NEW RIVER CURTIS ROAD SITE	01/82	04/83	22	C021A	11
15.	M67004 MCLB ALBANY GA	04/84	FUTURE 09/89	N/A	C081A	65
16.	M67353 HQBN HQMC ARLINGTON VA	11/87	04/88	0	C189A	134
17.	M67385 CAMP SMITH SVC STATION AIEA HI	01/88	FUTURE 09/90	N/A	C157A	182
18.	M67399 MCAGCC TWENTYNINE PALMS CA 076-001 TRANSFORMER SPILL AREA 076-007 CRASH TRAINING PIT NO. 2 076-008 CRASH TRAINING PIT NO. 3 076-010 EVAPORATION PONDS 076-011 RUST PROOFING SPILL AREA 076-014 LANDFILL NO. 1 076-015 LANDFILL NO. 2 076-016 LANDFILL NO. 3 076-018 CRASH TRAINING PIT NO. 4	11/84	05/88	9	C088A	76



DESR BACKUP TABLE 9

FY88  
MARINE CORPS

SECTION 2.B. NO. OF SITES WHICH HAVE STARTED/COMPLETED RI/FS: 59/0  
SECTION 2.C. NO. OF SITES WHERE RI/FS RECOMMENDS REMEDIAL DESIGN/REMEDIAL ACTION (RD/RA): 0

	<u>RI/FS STARTED</u>	<u>RI/FS COMPLETED</u>	<u># OF SITES UNDER STUDY</u>	<u>RI/FS PCR NO.</u>	<u>PA/SI REPORT NO.</u>	<u># OF SITES RECOMMENDED FOR RD/RA</u>
1. M00146 MCAS CHERRY POINT NC	09/84	FUTURE 09/92	16	C019B	9	N/A
009-001 BORROW PIT/LANDFILL						
009-002 BORROW PIT/DUMP SITE						
009-004 BORROW PIT/LANDFILL NORTH OF RUNWAY 14						
009-005 STORAGE TANK FOR WASTE POL						
009-006 FLY ASH PONDS						
009-007 OLD INCINERATOR AND ADJACENT SITE						
009-010 OLD SANITARY LANDFILL						
009-013 TANK FARM A						
009-015 AREA AND DITCH BEHIND NAVAIREWORKFAC						
009-016 LANDFILL AT SANDY BEACH						
009-017 DPDO STORAGE YARD						
009-018 FACILITIES MAINTENANCE COMPOUND						
009-019 BORROW PIT/LANDFILL						
009-021 BORROW PIT/LANDFILL						
009-033 PLATING SHOP (BLDG 133)						
009-034 PLATING SHOP (BLDG 137)						
2. M00264 MCCDC QUANTICO VA	09/85	FUTURE 09/89	7	C051B	43	N/A
043-001 PESTICIDE BURIAL AREA						
043-004 OLD LANDFILL						
043-005 OLD BATCH PLANT						
043-007 RECENTLY CLOSED LANDFILL						
043-017 ARSENIC DISPOSAL AREA						
043-018 AERO CLUB						
043-019 FIRE TRAINING AREA						
3. M60050 MCAS EL TORO SANTA ANA CA	02/87	FUTURE 12/91	1	C089B	74	N/A
074-018 PERIMETER ROAD DISPOSAL AREA						



## DESR BACKUP TABLE 9

FY88  
MARINE CORPS

## SECTION 2.B. AND SECTION 2.C (continued)

		<u>RI/FS STARTED</u>	<u>RI/FS COMPLETED</u>	<u># OF SITES UNDER STUDY</u>	<u>RI/FS PCR NO.</u>	<u>PA/SI REPORT NO.</u>	<u># OF SITES RECOMMENDED FOR RD/RA</u>
4.	M62204 MCLB BARSTOW CA 035-002 PESTICIDE STORAGE AND WASHOUT AREA NEBO 035-005 CHEMICAL STORAGE AREA NEBO 035-009 FUEL DISPOSAL AREA 035-011 FUEL BURN AREA 035-018 SLUDGE WASTE DISPOSAL AREA YERMO 035-019 LOW LEVEL RADIOLOGICAL YES 035-021 INDUSTRIAL WASTE DISPOSAL AREA, YERMO 035-023 LANDFILL AREA - ADDED 035-034 PCB STORAGE AREA 035-035 INDUSTRIAL WASTE TREATMENT AREA	10/85	FUTURE 02/89	10	C042B	35	N/A
5.	M62535 MCAS (H) TUSTIN CA 075-001 MOFFETT TRENCHES AND CRASH CREW PITS 075-016 FUEL FARM AREA	08/86	FUTURE 09/90	2	C106B	75	N/A
6.	M67001 MCB CAMP LEJEUNE NC 011-001 FRENCH CREEK LIQUIDS DISPOSAL AREA 011-002 FORMER NURSERY/DAY CARE CTR (BLDG. 712) 011-006 STORAGE LOTS 201 AND 203 011-009 FIREFIGHTING TRAINING PIT 011-021 TRANSFORMER STORAGE LOT 140 011-022 INDUSTRIAL AREA TANK FARM 011-024 INDUSTRIAL AREA FLY ASH DUMP 011-028 HADNOT POINT BURN DUMP 011-030 SNEADS FERRY ROAD FUEL TANK SLUDGE AREA 011-035 CAMP GEIGER AREA FUEL FARM 011-036 CAMP GEIGER AREA DUMP NEAR STP 011-041 CAMP GEIGER DUMP 011-045 CAMPBELL STREET FUEL FARM 011-048 MCAS MERCURY DUMP SITE 011-054 CRASH CREW FIRE TRAINING BURN PIT 011-068 RIFLE RANGE DUMP 011-069 RIFLE RANGE CHEMICAL DUMP 011-073 COURTHOUSE BAY LIQUIDS DISPOSAL AREA 011-074 MESS HALL GREASE DISPOSAL AREA 011-075 MCAS BASKETBALL COURT SITE 011-076 MCAS NEW RIVER CURTIS ROAD SITE 011-076A MCAS NEW RIVER OFFICERS HOUSING AREA 011-077 HADNOT POINT INDUSTRIAL AREA	02/84	FUTURE 09/92	23	C058A	11	N/A



DESR BACKUP TABLE 9

FY88  
MARINE CORPS

SECTION 2.D. NO. OF SITES WHICH HAVE STARTED/COMPLETED RD/RA: 4/3

		<u>RD/RA STARTED</u>	<u>RD/RA COMPLETED</u>	<u># OF SITES</u>	<u>RD/RA PCR NO.</u>	<u>PA/SI REPORT NO.</u>
1.	MO0146 MCAS CHERRY POINT NC 009-005 STORAGE TANK FOR WASTE POL	12/86	FUTURE 07/89	1	C019C	9
2.	MO0264 MCCDC QUANTICO VA 043-013 BATTERY ACID DISPOSAL SITE *	03/84	09/84	1	C051D/E	43
3.	M62535 MCAS (H) TUSTIN CA 075-001 MOFFETT TRENCHES AND CRASH CREW PITS	09/85	08/88	1	C106C/D	75
4.	M64495 MCMWTC BRIDGEPORT CA 151-003 NEW DINING HALL	08/84	08/88	1	C120A	151

SECTION 2.E. NUMBER OF SITES WHICH HAVE STARTED LONG TERM MONITORING: 1

MCAS Tustin

\* Activity performed neutralization with soda ash and reseeded after neutralization.



SECTION 3 NO. OF INSTALLATIONS ON FEDERAL AGENCY HAZARDOUS WASTE COMPLIANCE DOCKET: 20  
 SECTION 3.A. NO. OF INSTALLATIONS ON DOCKET WHICH HAVE STARTED/COMPLETED PA/SI: 20/10  
 SECTION 3.B. NO. OF INSTALLATIONS ON DOCKET SCORED BY HAZARD RANKING SYSTEM: 7

NOTE: THE TWO MARINE CORPS INSTALLATIONS NOT ON DOCKET ARE: 1. M00318 PEARL HARBOR SERVICE STATION AIEA HI  
 2. M67385 CAMP SMITH SVC STATION AIEA HI

PA/SI  
REPORT

NUMBER	UIC	ACTIVITY	DOCKET NAME	SCORED BY EPA HAZARD RANKING SYSTEM
9	M00146	MCAS CHERRY POINT NC	1. MARINE CORPS AIR STATION CHERRY POINT NC	
			2. MCALF BURN PIT BOGUE MOREHEAD CITY NC	
11	M67001	MCB CAMP LEJEUNE NC	3. MARINE CORPS BASE CAMP LEJEUNE NC	YES (36.84)
			4. MCAS NEW RIVER JACKSONVILLE NC	
35	M62204	MCLB BARSTOW CA	5. MARINE CORPS LOGISTICS BASE BARSTOW CA	
36	M00318	MCAS KANEOHE BAY HI	6. KANEOHE BAY MARINE CORPS AIR STATION HI	
43	M00264	MCCDC QUANTICO VA	7. MC DEVEL & EDUC COMM QUANTICO VA	
57	M00681	MCB CAMP PENDLETON CA	8. MARINE CORPS BASE CAMP PENDLETON CA	YES
65	M67004	MCLB ALBANY GA	9. MARINE CORPS LOGISTICS BASE ALBANY GA	
74	M60050	MCAS EL TORO SANTA ANA CA	10. MARINE COPRS AIR STATION EL TORO SANTA ANA CA	YES (40.83)
75	M62535	MCAS (H) TUSTIN CA	11. MARINE CORPS AIR STATION TUSTIN ZIP 92719	YES
			12. MARINE CORPS AIR STN TUSTIN CA ZIP 92710-5001	YES
76	M67399	MCAGCC TWENTYNINE PALMS CA	13. MARINE CORPS AIR GROUND COMBAT CTR 29 PALMS CA	YES
77	M62974	MCAS YUMA AZ	14. MARINE CORPS AIR STATION YUMA AZ	YES (29.88)
89	M00243	MCRD SAN DIEGO CA	15. MARINE CORP RECRUIT DEPOT SAN DIEGO CA	
94	M60169	MCAS BEAUFORT SC	16. MARINE CORPS AIR STATION BEAUFORT SC	
			17. NAVAL HOSPITAL BEAUFORT SC	
95	M00263	MCRD PARRIS ISLAND SC	18. MARINE CORPS RECRUIT DEPOT PARRIS ISLAND SC	
134	M67353	HQBN HQMC ARLINGTON VA	19. MC BAT HQ ARLINGTON VA	
151	M64495	MCMWTC BRIDGEPORT CA	20. MC MOUNTAIN WARFARE TRNG CTR BRIDGEPORT CA	

TOTAL = 7

			PA/SI STARTED	PA/SI COMPLETED	PA/SI PCR NO.	PA/SI REPORT NO.
M00146	MCAS CHERRY POINT NC	(2 INSTALLATIONS)	01/82	03/83	C019A	9
M00243	MCRD SAN DIEGO CA		05/85	FUTURE 09/89	C111A	89
M00263	MCRD PARRIS ISLAND SC		04/85	FUTURE 09/89	C087A	95
M00264	MCCDC QUANTICO VA		03/84	03/84	C051A	43
M00318	MCAS KANEOHE BAY HI		04/83	FUTURE 10/89	C045A	36
M00681	MCB CAMP PENDLETON		12/83	07/88	C074A	57
M60050	MCAS EL TORO SANTA ANA CA		11/84	FUTURE 06/90	C089A	74
M60169	MCAS BEAUFORT SC	(2 INSTALLATIONS)	04/85	FUTURE 09/89	C107A	94
M62204	MCLB BARSTOW CA		11/82	09/85	C042A	35
M62535	MCAS (H) TUSTIN CA	(2 INSTALLATIONS)	11/84	FUTURE 06/90	C106A	75
M62974	MCAS YUMA AZ		09/84	04/88	C096A	77
M64495	MCMWTC BRIDGEPORT CA		12/87	FUTURE 12/89	C120E	151
M67001	MCB CAMP LEJEUNE NC	(2 INSTALLATIONS)	01/82	04/83	C021A	11
M67004	MCLB ALBANY GA		04/84	FUTURE 09/89	C081A	65
M67353	HQBN HQMC ARLINGTON VA		11/87	04/88	C189A	134
M67399	MCAGCC TWENTYNINE PALMS CA		11/84	05/88	C088A	76



## DESR BACKUP TABLE 9 (continued)

FY88  
MARINE CORPS

SECTION 4.	NO. OF INSTALLATIONS ON NPL:	3
SECTION 4.A.1.	NO. OF INSTALLATIONS ON NPL WHICH HAVE STARTED/COMPLETED RI/FS:	3/0
SECTION 4.B.	NO. OF SITES ON NPL:	39

		<u>RI/FS</u> <u>STARTED</u>	<u>RI/FS</u> <u>COMPLETED</u>
1. M60050	MCAS EL TORO SANTA ANA CA NO. OF SITES ON NPL: 13 074-001 ORDNANCE DISPOSAL AREA 074-002 MAGAZINE ROAD LANDFILL 074-003 ORIGINAL LANDFILL 074-005 PERIMETER ROAD LANDFILL 074-006 DROP TANK DRAINAGE AREA #1 074-007 DROP TANK DRAINAGE AREA #2 074-009 CRASH CREW PIT NO. 1 074-010 PETROLEUM STORAGE AREA 074-011 TRANSFORMER STORAGE AREA 074-013 OIL CHANGE AREA 074-014 BATTERY ACID DISPOSAL PIT 074-016 CRASH CREW PIT NO. 2 074-017 COMMUNICATION STATION LANDFILL	02/87	FUTURE 12/91
2. M62974	MCAS YUMA AZ NO. OF SITES ON NPL: 3 077-007 FIRE SCHOOL 077-009 SOUTHEAST SEWAGE LAGOONS 077-013 FORMER BUILDING 1585	09/88	FUTURE 09/90
3. M67001	MCB CAMP LEJEUNE NC NO. OF SITES ON NPL: 23 011-001 FRENCH CREEK LIQUIDS DISPOSAL AREA 011-002 FORMER NURSERY/DAY CARE CTR (BLDG. 712) 011-006 STORAGE LOTS 201 AND 203 011-009 FIREFIGHTING TRAINING PIT 011-021 TRANSFORMER STORAGE LOT 140 011-022 INDUSTRIAL AREA TANK FARM 011-024 INDUSTRIAL AREA FLY ASH DUMP 011-028 HADNOT POINT BURN DUMP 011-030 SNEADS FERRY ROAD FUEL TANK SLUDGE AREA 011-035 CAMP GEIGER AREA FUEL FARM 011-036 CAMP GEIGER AREA DUMP NEAR STP 011-041 CAMP GEIGER DUMP 011-045 CAMPBELL STREET FUEL FARM 011-048 MCAS MERCURY DUMP SITE 011-054 CRASH CREW FIRE TRAINING BURN PIT 011-068 RIFLE RANGE DUMP 011-069 RIFLE RANGE CHEMICAL DUMP 011-073 COURTHOUSE BAY LIQUIDS DISPOSAL AREA 011-074 MESS HALL GREASE DISPOSAL AREA 011-075 MCAS BASKETBALL COURT SITE 011-076 MCAS NEW RIVER CURTIS ROAD SITE 011-076A MCAS NEW RIVER OFFICERS HOUSING AREA 011-077 HADNOT POINT INDUSTRIAL AREA	02/84	FUTURE 09/92



Glossary - 2.4

Long-Term Monitoring (LTM) (Table 9)

Such actions as may be necessary, on a continuing and long-term basis, to monitor, assess, and evaluate the release or threat of release of hazardous substances.

National Priorities List (NPL) (Table 9)

National Priorities List of hazardous waste sites, issued by EPA pursuant to the National Contingency Plan and the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).

Preliminary Assessment/Site Inspection (PA/SI) (Table 9)

A study undertaken to identify the source and nature of the release or threat of release and to determine whether response action is necessary.

Remedial Design/Remedial Action (RD/RA) (Table 9)

Planning design and cleanup of released hazardous substances from the environment and those actions consistent with a permanent remedy; prevention or minimization of the release of hazardous substances so that they do not migrate to cause substantial danger to present or future public health or welfare or the environment.

Remedial Investigation/Feasibility Study (RI/FS) (Table 9)

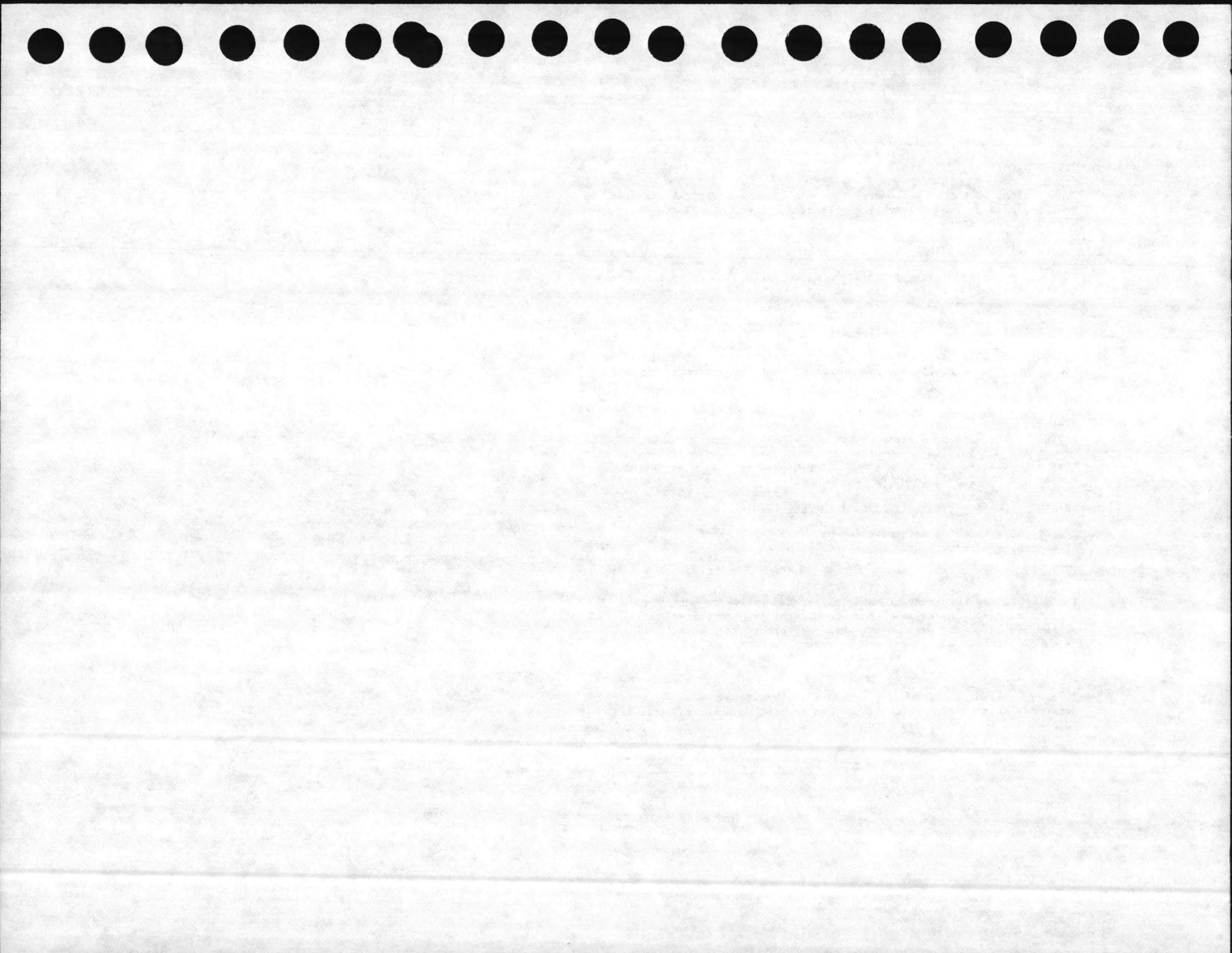
A study undertaken to determine the nature and extent of the threat presented by a release and to evaluate proposed remedies.

Removal Action (Table 9)

The disposal or treatment of material, or the taking of such other actions as may be necessary, to prevent, minimize, or mitigate damage to public health or the environment which may otherwise result from a release or threat of release of hazardous substances.

Site (Table 9)

An area containing one or more releases or threatened releases of hazardous substances, pollutant, or contaminant that for response purposes is treated as a discrete entity.



2.5 - Management Indicators for Safe Drinking Water

Table 10 shows key management indicators for Safe Drinking Water Act compliance.



TABLE 10

## SAFE DRINKING WATER PROGRAM

PERIOD COVERED: FY88COMPONENT: MARCORPS

PROGRAM DATA	As of Last Period (861001-870930)	As of Current Period (871001-880930)
1. No. of DOD-owned water treatment systems (Note 1)	//////	//////
A. Where <u>standards*</u> were exceeded during period	3	5
B. Where public <u>notification*</u> was made	0	1
C. Where problem was corrected	2	5
D. Where groundwater is a water source	18	48
2. No. of purchased water supplies (including federally supported state or locally owned)	//////	//////
A. Where standards were exceeded during period	2	0
B. Where problem was corrected	0	0
3. Notices of violation (NOVs)* (only for DOD-owned systems)	//////	//////
A. No. of NOVs unresolved at start of period (total)	0	0
1. NOVs which require administrative or operational changes to resolve	0	0
2. NOVs which require pollution abatement project(s) to resolve	0	0
B. No. of NOVs received during period (total)	2	8
1. NOVs which require administrative or operational changes to resolve	2	8
2. NOVs which require pollution abatement project(s) to resolve	0	0
C. No. of NOVs resolved during period (total)	2	8
1. By administrative or operational methods	2	8
2. By pollution abatement project(s)	0	0

Note 1. Narrative: Provide separate page for each system with problems not corrected. Give location, standards exceeded and corrective action attempted for the current period.

Note 2. Terms underlined and marked with an asterisk are defined in the glossary.

+ Provide a list of A-106 (or 1383) Project Numbers for these projects



ACTIVITIES EXCEEDING THE SDWA

MARCORPS

ACTIVITY	UIC	MAJ/SUB CLAIMANT	WATER SUPPLIES (OWN/PURCHASE)	PARAMETER EXCEEDED	TYPE OF (1) NOTIFICATION	ACTION TAKEN (2)	PROBLEM CORRECTED DOD-OWNED/PURCHASED
MCAS Cherry Pt	M00146	CMC	Own	THM	Yes		Yes
MCAS Yuma, AZ	M62974	CMC	Own Main Station	Fluoride	Water used by base people only. Unknown if activity personnel notified.	Tests confirmed acceptable limits.	Yes
			Own Martinez Lake	Turbidity	Water used by activity people only. Unknown if activity personnel notified.	Automated backwash system to wash filters every other day instead of once a week, and ordered new sand for the sand filters.	Yes
MCB Camp Lejeune	M67001	CMC	Own--2 systems exceeded standard.	Bacteriological samples (Total coliform)	No; state allows discretion in notifying the public; if there had been repetition of high limits the state would require them to report		Yes.

Definition: A DoD-owned water treatment system is a regulated treatment system if the treated water regularly serves 15 service connections or at least 25 individuals. It is considered a treatment system if it is designed to improve the quality of the water that passes through the system (excluding chlorine boosting).

Definition: Purchased Water Supply. Do not include bottled water. If an activity pays two different suppliers for water, then each supplier is counted.

NOTE: Include an activity in both categories if the activity owns as well as purchases the water.



UIC	ACTIVITY	NUMBER OF DOD-OWNED SYSTEMS WHERE GROUNDWATER IS A WATER SOURCE
M00146	MCAS Cherry Point, NC	1
M00263	MCRD Parris Is., SC	2
M00681	MCB Camp Pendleton, CA	24
M00681*	USMC Housing Coleville, CA	1
M60169	MCAS Beaufort, SC	1
M62204	MCLB Barstow, CA	1
M62974	MCAS Yuma, AZ	1
M64495	MWTC Bridgeport, CA	1
M67001	MCB Camp Lejeune, NC	6
M67004	MCLB Albany, GA	1
M67399	MCAGCC 29 Palms	9

TOTAL = 48

## SUPPLEMENTAL

## NUMBER OF DOD-OWNED WATER TREATMENT SYSTEMS IN BEING

UIC	ACTIVITY	NUMBER OF DOD-OWNED SYSTEMS IN BEING
M00146	MCAS Cherry Point, NC	1
M00263	MCRD Parris Is., SC	1
M00264	MCCDC QUANTICO, VA	3 PLANTS SURFACE WATER
M00318	MCAS Kaneohe, HI	1 Flouridate/chlorinate
M00681	MCB Camp Pendleton	24 wells
M00681*	USMC Housing Coleville, CA	1
M60169	MCAS Beaufort, SC	1
M62204	MCLB Barstow, CA	1
M62974	MCAS Yuma AZ	2
M64495	MWTC Bridgeport, CA	1
M67001	MCB Camp Lejeune, NC	6
M67004	MCLB Albany, GA	1
M67399	MCAGCC 29 Palms	2

TOTAL = 45

\* Marine Corps Base Camp Pendleton handles Coleville, CA housing; activity does not have a UIC of its own.



## NOTICES OF VIOLATIONS RECEIVED/RESOLVED DURING PERIOD (FOR DOD-OWNED SYSTEMS ONLY)

## MARCORPS

UIC	ACTIVITY	REASON FOR NOV	HOW WILL NOV BE RESOLVED?		MO. YR. RESOLVED	PCR PROJECT NUMBER
			ADMIN/OPERATIONAL	PCR PROJECT		
M00146	MCAS Cherry Point, NC	Exceeded standards for Trihalomethanes (THM) standard of 100 ppm in November 1987.	X		June 1988	
M00264	MCDEC Quantico VA	NOV received 9 Feb 1988 for THM samples tested by an uncertified laboratory.	X		July 1988 contracted to a certified laboratory.	
M00681	MCB Camp Pendleton	Four NOVs were received for dirty water calls from ruptured water mains.	X		All four NOVs have been resolved by repairing the lines.	
M62974	MCAS Yuma, AZ	NOV received 11 Aug 1988 for Main Station Surface Water System No. 14-08 for high levels of fluoride.	X		Resolved 10 NOV 88; tests were rerun & levels are well within acceptable limits. Copy of test results mailed to State and County.	
		NOV received 16 Aug 1988 for Martinez Lake Surface Water System No. 14-08 for high levels of turbidity.	X		Resolved by backwashing the filters every other day and order- new sand for the filters. Level will be below 1.0 for servicing over 5000.	



Glossary - 2.5

Notice of Violation (NOV) (Table 10)

An official written notice by EPA or an authorized state or local environmental regulatory agency of a violation of law or regulation.

Notification (Table 10)

A public notification made pursuant to the Safe Drinking Water Act.

Standards (Table 10)

Primary drinking water standards or other regulatory standards.



2.6 - Management Indicators for Pest Management

- a. Table 11 shows key management indicators for Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) compliance, as well as the DoD pest management program.

The following guidance is provided to assist in completion of Item 6. "Reported pesticide problem" is defined in the glossary. Pesticide spills will be reported here only if they are not reported elsewhere in the DESR. Problems in the use of pesticides include both "accidents" and apparent misuse of the chemicals. Explanations of unaddressed problems may be provided in writing and/or verbally when the DESR is briefed.

- b. Table 12 requests summary data for EPA on training and certification of pesticide applicators. This data is requested on a fiscal year (FY) basis. For the January 1989 report, please provide FY 1988 data. Note that the table includes only DoD courses and DoD-certified personnel, so as to not duplicate data reported by the states. In Part A, under "total courses," indicate the number of courses provided by your service; do not simply add up the training provided by category.

- c. Data reporting for both tables is world-wide, IAW DoDD 4150.7, DoD Pest Management Program.



PEST MANAGEMENT  
TABLE 11 AND TABLE 12  
INCLUDED WITH NAVY FIGURES

PAGES 32 - 35 BLANK



2.7 - Management Indicators for the Natural Resources Program

- a. Table 13 provides summary information on the components' natural resources management program.
- b. Table 14 provides component totals for financial data associated with natural resources programs.
- c. Table 15 indicates components' estimate for completion or updating of natural resources plans and staff.



TABLE 13

## NATURAL RESOURCES MANAGEMENT SUMMARY

PERIOD COVERED: FY88COMPONENT: MARCORPSNUMBER OF INSTALLATIONS\* INCLUDED IN THIS SUMMARY 15NUMBER OF INSTALLATION PROGRAMS REVIEWED\* THIS YEAR 3

NO. OF INSTALLATIONS WITH	YES	NO, BUT APPROPRIATE/ NEEDED
A. <u>Integrated natural resources program*</u>	11	//////
B. <u>Wildlife management plan*</u>	7	4
C. <u>Endangered species habitat*</u>	11	//////
D. <u>Hunting/fishing programs*</u>	8	2
E. <u>Other outdoor recreation programs*</u>	5	4
F. <u>Outdoor recreation plan*</u>	2	7
G. <u>Public access*</u>	7	2
H. <u>DOD access only*</u>	8	1
I. <u>User fees from all*</u>	6	1
J. <u>User fees from public only*</u>	1	//////
K. <u>Forest management plan*</u>	6	1
L. <u>Land management plan*</u>	5	3
M. <u>Agriculture/grazing outlease program*</u>	7	2
N. <u>Fish and Wildlife cooperative plan*</u>	8	2
O. <u>Potential to increase*</u>	//////	//////
1. <u>Agricultural/grazing outleases</u>	5	//////
2. <u>Commercial forest management</u>	3	//////
3. <u>Hunting</u>	5	//////
4. <u>Fishing</u>	5	//////
5. <u>Other outdoor recreation</u>	9	//////

NOTE: Terms underlined and marked with an asterisk are defined in the glossary.



TABLE 14

(1) FINANCIAL SUMMARY

PERIOD COVERED: FY88

COMPONENT: MARCORPS

A. <u>Outdoor recreation*</u>	//////////	
1. <u>Sikes Act fees collected*</u>	//////////	
	\$ 84,209	
2. <u>Wildlife program expenses*</u>	//////////	
A. Paid with fee \$	//////////	
	\$ 98,476	
B. Paid with other \$	//////////	
	\$ 221,566	
B. <u>Agriculture and Grazing outleases*</u>	//////////	
1. <u>Cash receipts*</u>	//////////	
	\$ 1,080,199	
2. <u>Value of services*</u>	//////////	
	\$ 32,500	
3. <u>Expenses*</u>	//////////	
	\$ 39,500	
4. <u>Investments/improvements*</u>	//////////	
	\$ 48,500	
C. <u>Forest products*</u>	//////////	
1. <u>Gross receipts*</u>	//////////	
	\$ 1,078,648	
2. <u>Expenses*</u>	//////////	
	\$ 730,609	(\$ 348,039 )
3. <u>States' entitlements*</u>	//////////	
	\$ 183,859	

(2) ACREAGE SUMMARY

//////////	Number	Public	DOD
//////////	of Acres*	Access	Access
//////////		(Acres)	Only
//////////			(Acres)
A. Available for hunting/fishing	200,480	183,602	15,883
B. Available for other outdoor recreation	135,555	45,000	90,555
C. Outleased for agriculture/grazing	33,791	//////////	//////////
D. Available for agriculture/grazing but not outleased	655	//////////	//////////
E. Managed forests	141,077	//////////	//////////
F. <u>Total installation acreage*</u>	1,387,222	//////////	//////////

NOTE: Terms underlined and marked with an asterisk are defined in the glossary.



TABLE 15

## SUMMARY OF NATURAL RESOURCES PLANS AND STAFF

PERIOD COVERED: FY88COMPONENT: MARCORPS

	Completed		To be completed/updated in					
	in current FY88	FY +1	FY + 2	FY + 3	FY +4			
A. Plans	////	////	////	////	////	////		
1. Land management	2	5	2					
2. Forest management	1	2	2	2	2			
3. Fish/wildlife management		6	2	2	1			
4. Outdoor recreation		3	1	1				
B. <u>Professional Staff*</u>								
	<u>On-Site*</u>				<u>Off-Site*</u>			
	Biologist	Forester	Agronomist	Other	Biologist	Forester	Agronomist	Other
<u>On Board*</u>	6	8	2	6	1		1	
<u>Authorized, Not on Board*</u>	1	1						
Total	7	9	2	6	1	0	1	0

NOTE: Terms underlined and marked with an asterisk are defined in the glossary.



Glossary - 2.7

Acres (Table 14(2))

Number of acres identified and/or managed by DoD for a prescribed purpose, as described by definitions provided for Table 13.

Agriculture/Grazing Outlease Program (Table 13)

Program in which military land may be outleased under authority of 10 USC 2667.

Agriculture/Grazing Outleases (Table 14(1))

- a. Cash Receipts - Cash rental receipts collected and deposited to the military departments' central accounts for this purpose. Excludes collections for performance bonds or collections placed in holding accounts for reimbursement to lessees for work performed.
- b. Value of Services - The dollar value placed upon maintenance, protection, restoration, and repair work performed by the lessee as a cash rental offset or reimbursed from rental collections. Include dollar value of maintenance cost savings on the leased land.
- c. Expenses - Expenses for administering the agriculture/grazing lease programs which are reimbursed from cash rental receipts. Include expenses at all levels of command.
- d. Investments/Improvements - The value of improvements to or investments in multiple-use land management which are funded from the cash rental receipts.

DoD Access Only (Table 13)

An installation with hunting/fishing or other outdoor recreation for only DoD personnel or for only DoD personnel and their guests.

Endangered Species Habitat (Table 13)

Installations with habitat used by federal or state listed endangered or threatened species.

Fish and Wildlife Cooperative Plan (Table 13)

Having a current cooperative plan for fish and wildlife conservation which has been coordinated with U.S. Fish and Wildlife Service and the appropriate state agency.



Forest Management Plan (Table 13)

Having a current and approved plan for managing the installation's forests in accordance with DoDD 4700.1. The criteria for current and approved will be in accordance with the regulations of the military department concerned.

Forest Products (Table 14(1))

- a. Gross Receipts - Actual collections from the sale of all forest products (e.g., pulp, sawtimber, fuelwood, pine straw, etc.) which have been deposited and accounted for in accordance with DoDI 7310.5. Do not include collections for performance bonds or receipts for sales contracts when the funds have not been collected and deposited (i.e., sales contracts with collection in the future as products are removed).
- b. Expenses - Expenses which have been reimbursed or funded from receipts collected from the sale of forest products and accounted for in accordance with DoDI 7310.5. In parentheses, show forest management expenses not reimbursed from receipts and funded from other sources (e.g., O&M and military pay).
- c. States' Entitlements - Amount disbursed to states in accordance with 10 USC 2665(e).

Hunting/Fishing Programs (Table 13)

Having, on federal lands controlled by the installation, either hunting or fishing for recreation or commercial purposes (includes trapping and shellfishing).

Installation

A grouping of facilities, located in the same vicinity, which supports particular functions. Installations may be elements of a base or complex. Normally, an installation is under the control of an individual installation commander.

NOTE: For purposes of Tables 13, and 14 only, installation is defined as follows:

A group of properties or facilities, located in the same vicinity, which are or should be managed or administered under one natural resources management plan.



Integrated Natural Resources Program (Table 13)

All aspects of natural resources management that are applicable at a DoD installation or facility (i.e., forest, wildlife, outdoor recreation, soils, agriculture outleasing, etc.) are coordinated and in consonance with the policies and guidance in DoDD 4700.1, its implementing regulations, and those state regulations. Implementation of all current and planned natural resources management activities will ensure compatibility within the natural resources program and with known mission activities and plans.

Land Management Plan (Table 13)

Having a current and approved plan for managing the soil, watersheds, wetlands, and other natural landscapes in accordance with DoDD 4700.1. The criteria for current and approved will be in accordance with the regulations of the military department concerned.

Outdoor Recreation Programs (Table 13)

Having, on federal lands controlled by the installation, a program to manage the recreational use of the natural environment for purposes including hunting and fishing. Recreation facilities normally associated with urban areas, such as golf courses, athletic fields, tennis courts, and playgrounds, are not within this definition of outdoor recreation. Trail, birdwatching, picnic, beach, camping, and off-road vehicle areas are to be included.

Outdoor Recreation (Table 14(1))

Sikes Act Fees Collected - Fees collected, pursuant to 16 USC 670 (Sikes Act), from individuals participating in hunting, fishing, trapping or other wildlife harvest activities on a military installation.

Wildlife Program Expenses - Expenses for the administration and improvement of fish and wildlife management activities (including law enforcement and education programs) which are funded from receipts collected via hunting/fishing/outdoor recreation fees and those which are funded from other sources (e.g., O&M).

Outdoor Recreation Plan (Table 13)

Having a current and approved plan for managing the installation's natural resources for outdoor recreation activities. The criteria for current and approved will be in accordance with the regulations of the military department concerned.



Potential to Increase (Table 13)

Installation with natural resources suitable for but not currently being utilized as extensively as possible for a prescribed purpose (i.e., agricultural outleasing, hunting, commercial forestry, etc.).

Professional Staff (Table 15)

Military officers or civilians with undergraduate or graduate degrees in biological, agricultural, or physical sciences with responsibility for natural resources management programs and who perform that duty on a regular basis.

On-Site - Professional on the staff of the organization responsible for day-to-day operations of an installation.

Off-Site - Professional on the staff of the organization responsible for overseeing, advising, or commanding management and operations at a group of installations.

On-Board - Staff that is employed as of 1 April.

Authorized, Not on Board - Staff positions that have been validated or approved by manpower survey or audit procedures, but positions are not filled (employees are not on board as of 1 April).

Public Access (Table 13)

An installation providing access for hunting, fishing, or other outdoor recreation to individuals not employed by the Department of Defense and who are not required to be "guests" of DoD employees. Limitations and quotas are administered on a non-discriminatory basis such as lottery or first-come-first-serve.

Reviewed (Table 13)

During this report period, all aspects of natural resources management (i.e., forest, wildlife, outdoor recreation, land, etc.) at an installation were examined for policy compliance, technical accuracy, and compatibility within the program and with the mission (see Integrated Natural Resources Program).

Total Installation Acreage (Table 14(2))

Number of acres for which DoD has natural resources management responsibility.



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User Fees From All (Table 13)

An installation charging user fees to all participants for hunting, fishing, or other outdoor recreation activities.

User Fees From Public Only (Table 13)

Only non-DoD employees are charged fees for hunting, fishing, or other outdoor recreation activities.

Wildlife Management Plan (Table 13)

Having a current and approved plan for managing the installation's fish and wildlife resources in accordance with DoDD 4700.1. The criteria for current and approved will be in accordance with the regulations of the military department concerned.



2.8 - Management Indicators for Historic Resources

Table 16 provides an oversight of DoD's historic resources management program and the military departments' compliance with applicable laws and requirements of DoDD 4710.1, "Archeological and Historic Resources Management," June 21, 1984.



TABLE 16  
HISTORIC RESOURCES MANAGEMENT SUMMARY

PERIOD COVERED: FY88

COMPONENT: MARCORPS

NUMBER OF INSTALLATIONS\* INCLUDED IN THIS SUMMARY 15

A. Number of installations with	Completed	In Progress	Needed
1. <u>Overview*</u>	8	3	
2. <u>Inventory*</u> of			
a. Structures	6	5	1
b. Archeological resources	7	5	5
3. <u>PA*</u> with <u>SHPO*/</u> <u>Advisory council*</u>	2	4	8
4. <u>Historic preserva-</u> <u>tion plan*</u>	2	4	9
5. <u>Plan integrated/</u> <u>coordinated*</u>	1	4	8
6. Property listed on <u>National Register*</u> or determined eligible	6	3	///////// ///////// ///////// ///////// /////////

B. Funds Expended:	<u>Last Period</u>	<u>Current Period</u>
A. For plans, surveys, inventories	_____	<u>133,000</u>
B. For <u>rehab*</u> and <u>treatment*</u>	_____	<u>50,000</u>
C. Professional Staff*		

	<u>On-Site*</u>			<u>Off-Site*</u>		
	Architect	History	Anthropology	Architect	History	Anthropology
<u>On Board</u>	5	2		1		1
<u>Authorized,</u> <u>Not on Board*</u>						
<u>Total</u>	5	2	0	1	0	1

NOTE: Terms underlined and marked with an asterisk are defined in the glossary.



Glossary - 2.8

Advisory Council

The independent agency mandated to advise the President and federal agencies regarding undertakings that may affect properties listed or eligible for listing in the National Register of Historic Places.

Historic Preservation Plan

The documentation of historic properties management goals, procedures, and compliance implementation projects. Report only plans approved in accordance with military departments' regulations that implement DoDD 4710.1

Installation

A group of properties of facilities, located in the same vicinity, which are or could be managed or administered under one historic preservation plan.

Inventory

Study that identifies and evaluates historic structures or archeological resources. Information is sufficiently documented to judge whether National Register criteria are met.

National Register of Historic Places

The listing of districts, sites, buildings, structures, and objects of national, state, or local significance in American history, architecture, archeology, and culture.

Overview

Basic study or report that summarizes existing information about an installation's historic and archeological properties. It also indicates the likelihood of historic properties.

PA

A signed document which describes what will be done to meet obligations under the National Historic Preservation Act and related laws.



Plan Integrated/Coordinated

There is documented evidence that the historic preservation plan has been integrated or coordinated with other appropriate installation planning efforts (e.g., master plan, comprehensive plan, new construction requests).

Professional Staff

Military officers or civilians with undergraduate or graduate degrees in architecture and planning or graduate degrees in history or anthropology with responsibility for historic resources management programs and who perform that duty on a regular basis.

On-Site - Professional on the staff of the organization responsible for day-to-day operations of an installation.

Off-Site - Professional on the staff of the organization responsible for overseeing, advising, or commanding management and operations at a group of installations.

On-Board - Staff that is employed as of 1 April.

Authorized, Not on Board - Staff positions that have been validated or approved by manpower survey or audit procedures, but positions are not filled (employees are not on board as of 1 April).

Rehab (Rehabilitation)

Efforts and resources to maintain, repair, reproduce, revitalize, or protect the significant characteristics that cause a property to qualify for listing in the National Register.

SHPO (State Historic Preservation Officer)

The official authorized to administer the National Historic Preservation Act within a State or Territory.

Treatment

The way a historic property is maintained, repaired, used, protected, excavated, documented, or altered.



2.9 - Management Indicators for Environmental Auditing

Table 17 gives overall management indicators for each component's environmental auditing programs. The table allows DoD to assess the degree in which Environmental Audits are being conducted.



TABLE 17

## ENVIRONMENTAL AUDITING SUMMARY

PERIOD COVERED: FY88

COMPONENT: MARCORPS

PROGRAM DATA	As of Last Period (861001-870930)	As of Current Period (871001-880930)
1. No. of installations	////////////////////	////////////////////
A. Participating in an <u>auditing program*</u> ( <u>multi-media/single-media</u> )	6/3	15/0
B. Audited during period ( <u>multi-media/single-media</u> )	7/1	0/1
2. No. of installations where audits identified <u>reportable violations</u>	3	1
3. Total number of <u>reportable</u> <u>violations*</u> identified by audits	4	3

NOTE: Terms underlined and marked with an asterisk are defined in the glossary.



BACKUP FOR TABLE 17 ENVIRONMENTAL AUDITING MARCORPS FY88

1.A. No of installations participating in an auditing program (to be audited in FY89).

M00146	MCAS Cherry Point
M00243	MCRD San Diego
M00263	MCRD Parris Island
M00264	MCCDC Quantico
M00318	MCAS Kaneohe Bay
M00681	MCB Camp Pendleton
M60050	MCAS El Toro
M60169	MCAS Beaufort
M62204	MCLB Barstow
M62535	MCAS (H) Tustin
M62974	MCAS Yuma
M67001	MCB Camp Lejeune
M67004	MCLB Albany
M67385	Camp Smith
M67399	MCAGCC 29 Palms

1.B. Number of installations audited during period.

M67004	MCLB Albany	Water
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2. Number of installations where audits identified reportable violations

M67004	MCLB Albany
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3. Total number of reportable violations.

M67004	MCLB Albany	3
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NOTE: A request has been made to have the 15 activities listed audited. Those in EFA San Diego may not be audited.



Glossary - 2.9

Auditing Program

A program consisting of periodic environmental compliance review of facility operations, practices, and records to assess and verify compliance with environmental laws and regulations. Audits range from one-time, single-media audits to periodic, multi-media audits and should fall within the scope of the DoD interim policy guidance issued on January 17, 1985, Subject: Environmental Audits of Department of Defense Facilities.

Installation

A grouping of facilities located in the same vicinity, which supports particular functions. Installations may be elements of a base or complex. Normally, an installation is under the control of an individual installation commander.

Reportable Violation

A condition in which a source is failing to comply with an applicable regulatory requirement which could be expected to result in an NOV if inspected by the appropriate regulatory agency.





