



USMC's Environmental Management Portal for EMS Implementation *Service-wide Rollout and Future Plans*

E2S2 Conference

16 June 2010



Report Documentation Page				Form Approved OMB No. 0704-0188	
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1. REPORT DATE 16 JUN 2010		2. REPORT TYPE		3. DATES COVERED 00-00-2010 to 00-00-2010	
4. TITLE AND SUBTITLE USMC's Environmental Management Portal for EMS Implementation Service-wide Rollout and Future Plans				5a. CONTRACT NUMBER	
				5b. GRANT NUMBER	
				5c. PROGRAM ELEMENT NUMBER	
6. AUTHOR(S)				5d. PROJECT NUMBER	
				5e. TASK NUMBER	
				5f. WORK UNIT NUMBER	
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) U.S. Marine Corps, Arlington, VA, 22214-5000				8. PERFORMING ORGANIZATION REPORT NUMBER	
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)				10. SPONSOR/MONITOR'S ACRONYM(S)	
				11. SPONSOR/MONITOR'S REPORT NUMBER(S)	
12. DISTRIBUTION/AVAILABILITY STATEMENT Approved for public release; distribution unlimited					
13. SUPPLEMENTARY NOTES Presented at the NDIA Environment, Energy Security & Sustainability (E2S2) Symposium & Exhibition held 14-17 June 2010 in Denver, CO.					
14. ABSTRACT					
15. SUBJECT TERMS					
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT Same as Report (SAR)	18. NUMBER OF PAGES 31	19a. NAME OF RESPONSIBLE PERSON
a. REPORT unclassified	b. ABSTRACT unclassified	c. THIS PAGE unclassified			



Outline

- Environmental Management System (EMS) History
- Environmental Management (EM) Portal History
- EM Portal Rollout
- Core EMS Functionality
- Other Useful Features
- Application Interaction
- Next Steps



USMC EMS Requirements

- **Each installation's EMS must include 18 core elements for conformance.**
 - Environmental Policy Statement
 - Identification and Communication of Applicable Legal Requirements
 - Practice/Aspect Inventory
 - Ranked Inventory by the potential risk to mission
 - Environmental Objectives and Targets
 - Actions to Improve Performance (POA&Ms for the Objectives and Targets)
 - Structures, Responsibilities, and Programs
 - Funding and Manpower
 - Environmental Training
 - Internal and External Communication
 - Document and Record Control
 - Emergency Preparedness and Response
 - Environmental SOPs
 - EMS Manual
 - Monitoring and Measuring
 - Problem Solving
 - EMS Review
 - Management Review



EM Portal History

- Project originated at MCB Camp Lejeune in 2004
 - EMS implementation efforts resulted in the need for a web-based system for:
 - communicating with EMS stakeholders
 - Up AND down the chain-of-command
 - an organized, interactive format for maintaining:
 - PAI data
 - Objectives and targets
 - training and awareness
 - document and record control



EM Portal Platform

- Platform: Microsoft SharePoint 2003
 - Encourages collaboration
 - Easy to use if you are familiar with MS Office
 - Environmental Managers can design their own pages
 - EMS Managers = Portal Administrators
- EM Portal resides within the Navy Marine Corps Intranet (NMCI)



Core SharePoint Functionality

- Document management
- Calendars
- Alerts
- Content

HQMC Environmental Management Portal Home EM Portal Sites Official Documents Knowledge Sharing Guidance Documents **Help and Training** Reports

 **EM Portal Help and Training**

Current Location

- ▼ HQMC Environmental Management Portal Home
- Help and Training

Actions

- Create Subarea
- Change Settings
- Manage Security
- Manage Content
- Manage Portal Site
- Add to My Links
- Alert Me
- Edit Page

 **SharePoint Online Training**

 Microsoft Office
SharePoint Portal Server 2003
© 2003 Microsoft Corporation. All rights reserved.
Hands-on Training and Tips & Tricks

The training modules provided in this site trains end users to perform a number of basic tasks in a Microsoft Office SharePoint Portal Server 2003 environment. The modules will help you learn to use SharePoint Portal Server and will introduce the basic features and principles of portal site navigation and customization. This document is intended to facilitate self-paced training.

Some SharePoint Portal Server features, such as My Sites and the ability to create new SharePoint sites, may not be available due to your company's IT policies. SharePoint Portal Server security can be used to limit the actions each user can perform. In many cases, you need the correct rights in order to perform certain tasks. Check with your IT department for clarification of individual issues.

Problem	Solution
Can't browse usmc.mil intranet sites	Contact NMCI Help Desk
Need help working with NMCI Access to EM Portal site(s)	Contact local CTR/STOIC If site never appears, submit trouble ticket to LEJEUNE_SERVICE_REQU@usmc.mil If prompted for username or password make sure EM Portal is added to list of Internet Explorer Trusted Sites If notified that you do not have permissions to view site, submit email when prompted by SharePoint and/or contact Pat Evans (pat.evans@usmc.mil) Use the "Feedback" web part to contact the local EMS Manager Contact Pat Evans (pat.evans@usmc.mil) or CH2M HILL help staff (emportal@ch2m.com)
EMS Questions (local)	Contact HQMC EMS Representative (joanna.curlin@usmc.mil)
EMS Questions (policy)	Contact Pat Evans (pat.evans@usmc.mil) and CC CH2M HILL help staff (emportal@ch2m.com)
EM Portal Site Content/Configuration	Submit a trouble ticket to LEJEUNE_SERVICE_REQU@usmc.mil and CC CH2M HILL help staff
Bugs/errors in EM Portal EMS	

Downloadable Quick Tips

Type	Description
	Quick Tips for SharePoint End Users
	EM Portal Managers Quick Guide
	EM Portal User Quick Guide
	SharePoint 2003 Admin Guide
	SharePoint 2003 Users Guide
	EM Portal Software Users Manual Final
	PAI Training Module-Admin
	PAI Training Module-Environmental Training
	SharePoint 101 Contributor and Admin Training
	EM Portal Overview
	HQMC Environmental Applications Overview



EM Portal Rollout

- HQMC Site
- Installation Sites
 - Homepage
 - EMS pages
 - PAI module with POAM functionality
 - Any other pages the installation wants!
 - Has become the environmental intranet for most installations
 - Multimedia pages (Natural Resources outreach, Recycling, etc)
 - Working group pages



EM Portal Rollout

- Included the following milestones for each installation
 - Initial meeting to identify:
 - Unique installation wants/needs
 - Desired site layout
 - Access requirements
 - Stakeholders
 - Site build-out and population of EMS data
 - 2-3 days of onsite training
 - Post-training webinars



Rollout Status

Complete (20)

MCB Camp Lejeune

MCAS Cherry Point

MCAS Beaufort

MCRD Parris Island

MCB Camp Pendleton

MCAS Camp Pendleton

MCB Camp Butler

MCAS Iwakuni

MCB Hawaii

MCRD San Diego

MCAS Miramar

MARFORRES

MCAS Yuma

MB Washington

MCB Quantico

MCLB Barstow

MCAGCC 29 Palms

MWTC Bridgeport

MCLB Albany

CATC Camp Fuji

Underway (1)

MCSF Blount Island



EMS Functionality

- Practices, aspects, and impacts (PAI) inventory
- Risk ranking/prioritization
- Tracking objectives, targets and plans of action and milestones (POA&Ms)
 - EMS Team members can update their actions themselves before/after EMS Team meetings

HQMC Environmental Management Portal Home

- [EM Portal Sites](#)
- [Official Documents](#)
- [Knowledge Sharing](#)
- [Guidance Documents](#)
- [Help and Training](#)
- [Reports](#)

Actions

- ▢ [Add Listing](#)
- ▢ [Create Subarea](#)
- ▢ [Upload Document](#)
- ▢ [Change Settings](#)
- ▢ [Manage Users](#)
- ▢ [Manage Content](#)
- ▢ [Manage Portal Site](#)
- ▢ [Edit Page](#)

Welcome to the EM Portal

Executive Order (EO) 13148, "Ensuring the Government's Leadership in Environmental Management", requires an Environmental Management System (EMS) to be implemented at all applicable Federal facilities by 31 December 2005.

An effective EMS requires an organization to develop a policy and formulate objectives that consider legislative and regulatory requirements along with information about significant environmental impacts of interested parties.

EMS standards apply to those environmental aspects which the facility can control or influence.

The EM Portal is a tool to assist in achieving and controlling the goals set for environmental performance, and as such will establish environmental performance standards appropriate for its operations and consistent with applicable legislation and regulations.

Training Opportunities

[Environmental Learning Management System](#)

[MarineNet](#)

[Internet Based Training and Seminars](#)

Other Links

- [USMC](#)
- [HQMC - LFL-6](#)
- [HEAP Portal](#)
- [MCIEAST Portal](#)

[Add new link](#)

Feedback

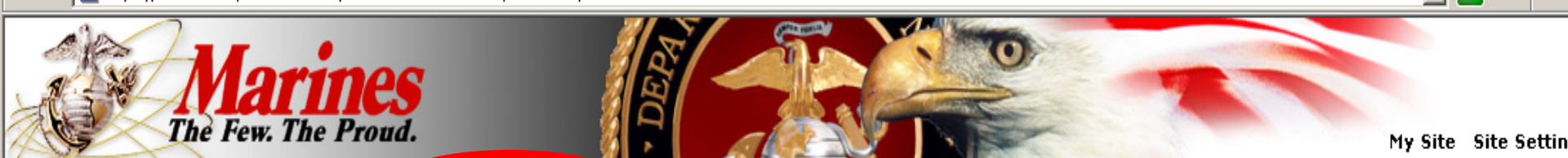
From: pat.evans

To: EMPortal Administrator

Subject: Feedback

Reason:

<Enter your feedback here>



My Site Site Settings

HQMC Environmental Management Portal Home **EM Portal Sites** Official Documents Knowledge Sharing Guidance Documents Help and Training Reports



EM Portal EM Portal Sites

This topic

Current Location

▼ HQMC
Environmental
Management
Portal Home

Environmental Management Portal

EM Portal Sites

WEST COAST	EAST COAST	OCONUS	HQ SITES
MCLB BARSTOW	MCLB ALBANY	MCB CAMP BUTLER	HQTRS MARINE CORPS (LFL)
MCMWTC BRIDGEPORT	MCAS BEAUFORT	MCB HAWAII	MCIEAST
MCAS CAMP PENDLETON	MCSF BLOUNT ISLAND	MCAS IWAKUNI	MCIWEST
MCB CAMP PENDLETON	MCB CAMP LEJEUNE	CATC CAMP FUJI	MARFORCOM
MCAS MIRAMAR	MCAS CHERRY POINT		MARFORPAC
MCRD SAN DIEGO	MCB QUANTICO		MARFORRES
MAGTFTC TWENTY NINE PALMS	MCRD PARRIS ISLAND		
MCAS YUMA	MC BARRACKS, 8TH & I		

EM PORTAL FEEDBACK

From: pat.evans
To: EM Portal Administrator
Subject: Portal Feedback

Reason: Help

<Enter your feedback here>

Send

Actions

- Create Subarea
- Change Settings
- Manage Security
- Manage Content
- Manage Portal Site
- Add to My Links
- Alert Me
- Edit Page

EM Portal Contact List

Last Name	First Name	Installation	City	Business Phone	Job Title	E-mail Address
Balabis	Karen	MCB Camp Butler	FPO	(315) 645-0430	Environmental Compliance/EMS Officer	karen.balabis@usmc.mil
Bengtson	Melanie	MCAS Iwakuni	FPO	(315) 253-6853	Environmental Director	melanie.bengtson@usmc.mil
Brillenz	David	MWTC Bridgeport	Bridgeport	(760) 932-1566	Maj	david.brillenz@usmc.mil
Bustamante	James	MCLB Barstow	Camp Pendleton	(760) 725-3573	Company Commander/S-4 OIC	james.bustamante@usmc.mil
Chang	Michele	MCB Hawaii	MCB H KANEHOE BAY	(808) 257-6920 x5	ENV Protection Spec	michele.chang@usmc.mil
Chun	Jon	MCB Hawaii	Kaneohe Bay	(808) 257-7138 257 6920 ext 76	Geographer	jon.chun@usmc.mil
Cook	Joseph	MCLB Barstow	Barstow	(760) 577-6937	SUPERVISORY ENVIRONMENTAL PROTECTION SPECIALIST	joseph.cook1@usmc.mil

EMS Home

[Modify Shared Page](#) ▼

What is the EMS Model?

An EMS follows a Plan-Do-Check-Act Cycle, or PDCA. The diagram shows the process of first developing an environmental policy, planning the EMS, and then implementing it. The process also includes checking the system and acting on it. The model is continuous because an EMS is a process of continual improvement in which an organization is constantly reviewing and revising the system.



What are some key elements of an EMS?

- Policy Statement - a statement of the organization's commitment to the environment
- Identification of Significant Environmental Impacts - environmental attributes of products, activities and services and their effects on the environment
- Development of Objectives and Targets - environmental goals for the organization
- Implementation - plans to meet objectives and targets
- Training - instruction to ensure employees are aware and capable of fulfilling their environmental responsibilities
- Management Review

Links

 ▼[EMS Administration Site](#)[Add new link](#)

Announcements

 ▼

There are currently no active announcements. To add a new announcement, click "Add new announcement" below.

[Add new announcement](#)

Events

 ▼

There are currently no upcoming events. To add a new event, click "Add new event" below.

[Add new event](#)



Score

PAI Risks

PAI Selection PAI Definitions Plan of Actions PAI Views

Help

Command not set

Forms: ☐ Location ☐ Resources ☐ Weighting ☐ Options [Show/Hide](#)

Practice: SDASF0001 Aboveground storage tank - Fuel storage [1000 Gallon Used Oil AST]

Code: **SDASF0001**

Score: 42.50

Practice Type: Aboveground storage tank - Fuel storage

Description: 1000 Gallon Used Oil AST

Sensitivity: 5 - Important to mission

[Update](#)

Aspect: Hazardous material use - POLs

Score: 1.25

Frequency: 1 - Rarely Non-scored -- set to default of 1

[Update](#)

Impact: Personnel exposure - General

Work Group:

Quantitative Risk

Environment: 0 - No impact Non-scored -- set to default of 1

Regulatory: 1 - In compliance Non-scored -- set to default of 1

Perception: 0 - No public interest Non-scored -- set to default of 1

Health: 0 - No detectable effects Non-scored -- set to default of 1

[Update](#)

POA&Ms

EMS - Windows Internet Explorer

http://arroyohondo/sites/le/ems/Webpages/paipoa.aspx

Google

Go

Bookmarks

21 blocked

Check

AutoLink

AutoFill

Send to

Settings

File

CH2M HILL Virtual Office

EMS

Home Select Define Score Plan View Audit

Up to MCB Camp Lejeune

Plan

Modify Shared Page

Plan Of Actions

PAI Selection PAI Definitions PAI Risks PAI Views Library

Help

Sort By: ☒ Objective ☐ Status ☐ Priority ☐ % Complete ☐ Owner

Filter By: All Owners

		Objective	Practice	Owner	Status	Priority	% Complete	Active
Select	Update	Reduce Spills	Vehicle/equipment fluid change	Kristen Duda	Not Started	Medium	No Targets	Yes

View ☐ Active ☐ InActive ☒ All

Add Objective

POA Selector

- Vehicle operations - Contractor
- Vehicle operations - New landfill
- Vehicle operations - Old landfill
- Vehicle operations - ORRV
- Vehicle operations - Tactical
- Vehicle/equipment fluid change
- Vehicle/equipment fluid change - Commercial
 - LEVFC0001 - Vehicle/equipment fluid change
 - Air Emissions - Incineration_POL
 - Air quality degradation
 - Leak - Storage Tank

Practice Type: Vehicle/equipment fluid change

Practice: LEVFC0001 - Vehicle/equipment fluid change

Aspect:

Impact:



HQMC EM Portal Reporting

- **HQ-level reports**
 - Summarize information for many Installations or just one
 - First round of reports include:
 - Practice Frequency by Installation
 - Top Ranking Aspects or Impacts
 - Objectives, Targets, POA&Ms



HQMC EM Portal Reporting Example

USMC EM Portal Practices

All Installations

Displayed in Descending Order of Frequency with Percent of all Practice Types for the Installation



Total Practices: 2506

Engine operation and maintenance (EOM)	208 - 8 %
MCB Pendleton	189 - 12 %
MCAS Beaufort	11 - 3 %
MCRD Parris Island	4 - 1 %
MCB Camp Lejeune	2 - 2 %
BLOUNT ISLAND COMMAND	1 - 1 %
MCAS Cherry Point	1 - 1 %
Aboveground storage tank (AST)	194 - 8 %
MCB Pendleton	182 - 12 %
MCAS Beaufort	6 - 2 %
MCAS Cherry Point	3 - 3 %
MCRD Parris Island	3 - 1 %



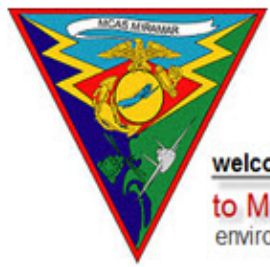
Other Useful Features

- Working group coordination
- Key performance indicators
- Inspection dashboards
- Environmental Compliance and Protection Standard Operating Procedure (ECPSOP)
- Turnover folders
- Calendar
 - Scheduling resources
 - Critical events

MCAS Miramar Home

[Modify My Profile](#)

- Administration
- Air Quality
- Asbestos
- Budget
- Cultural Resources
- EPCRA
- FEWD
- Hazardous Materials
- Industrial
- Installation Restoration
- Medical Waste
- MMRP
- Natural Resources
- NEPA
- Pesticide
- Pollution Prevention
- Polychlorinated Biphenyls
- Recycling
- SPCC
- Storage Tanks
- Unauthorized Release



welcome
to MCAS Miramar
environmental office

The role of the Environmental Department is to be MCAS Miramar's technical environmental liaison between the state and federal regulatory agencies and the Miramar community.

Because environmental regulations are complex and constantly changing, our role is to execute or facilitate the procedures necessary to obey the law without interrupting or delaying Miramar's mission ...

Mission Statement

In order to sustain MCAS Miramar's training, readiness, and quality of life needs, we will provide the guidance, actions, and customer assistance necessary to comply with all environmental laws and regulations, prevent pollution where possible, protect and conserve vital natural resources, and continually improve our operations.

Announcements

ALL NEW LINK TO ORDERS AND INSTRUCTIONS

3/8/2010 4:56 PM

by andrew.depaolo

On the main page, to the right of the screen, is a link to all applicable orders and instructions.

[Add new announcement](#)

Miramar Calendar

There are currently no upcoming events. To add a new event, click "Add new event" below.



Contact Information

Miramar's EMS Representative
(858) 577-1306

Links

- Environmental Learning Management System
 - Documents
 - Orders and Instructions
- [Add new link](#)

Feedback

From: MCDSUS\pat.evans

To: Michelle Slayden

Subject: Feedback

Reason:

<Enter your feedback here>

[Send](#)

Help and Training



Air Quality Home

Modify Shared Page (Help)

- Administration
- Air Quality
- Asbestos
- Budget
- Cultural Resources
- EPCRA
- FEWD
- Hazardous Materials
- Industrial
- Installation Restoration
- Medical Waste
- MMRP
- Natural Resources
- NEPA
- Pesticide
- Pollution Prevention
- Polychlorinated Biphenyls
- Recycling
- SPCC
- Storage Tanks
- Unauthorized Release



The Air Quality Program is responsible for the oversight of proper management and use of hazardous materials, equipment, and processes that emit air contaminants to ensure compliance with established Federal, California State, and San Diego County laws, rules and regulations as well as DoD, U.S. Marine Corps, and MCAS Miramar policies, procedures, and directives

Federal/State Laws and Applicable Regulations

- [Clean Air Act](#)
- [San Diego County Air Pollution Control District Rules and Regulations](#)

DoD, DoN, USMC Policy

- MCO P5090.2A USMC Environmental Compliance and Protection Manual, [Chapter 6](#)

Air Quality Management Plans & Permits

- **MCAS Miramar Air Quality Management Plan**
 - [Management Plan \(PDF Version\)](#)
 - Plan Appendices
 - [Appendix A](#)
 - [Appendix B](#)
 - [Appendix C - Aerospace Coating List](#)
 - [Appendix D](#)
- Air Permits

Contact Information

Program Manager
(858) 577-6050

Program Menu

- Public Document Library
- Private Document Library
- Forms
- Photos
- Tasks

▣ Add new link

Links

There are currently no favorite links to display. To add a new link, click "Add new link" below.

▣ Add new link

Section	Facility ID	Description
A	1821A	MCAS Miramar



Marines

The Few. The Proud.

EMS My Site My Profile

Up to EMPortal

MARFORRES
Home

Modify Shared Page ▾

Contacts

Inspections

- Checksheets
- Dashboard
- Calendar

ECPSOPs

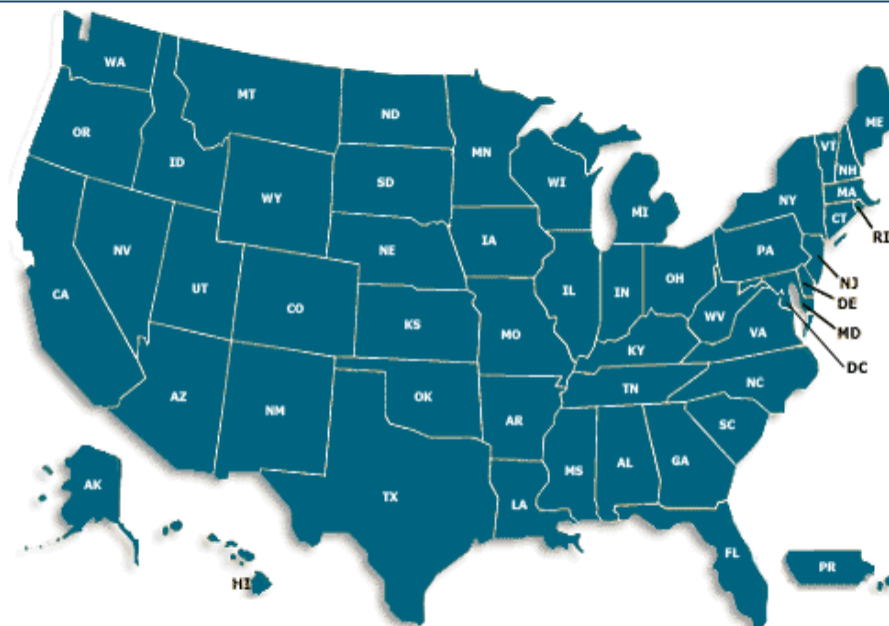
CMR

Non Compliance Hotspots

- Hazmat
- HazWaste
- Medical Waste

EMS

NAVAC



Choose a State... ▾

Go

States

State	City	Unit
Alaska	Anchorage	Co. D (-), Anti-Terrorism Bn.
Hawaii	Kaneohe Bay	Det, 4th Force Recon. Co.
Hawaii	Kaneohe Bay	2nd & 3rd Plt., Co. F, Anti-Terrorism Bn

Choose a Division... ▾

Go



Links

- Shared Documents
- MARFORRES Facilities SharePoint
- Marine Forces Reserves

▣ Add new link

Help and Training

Choose a State...

Go

States

State	City	Unit
Alaska	Anchorage	Co. D (-), Anti-Terrorism Bn.
Hawaii	Kaneohe Bay	Det, 4th Force Recon. Co.
Hawaii	Kaneohe Bay	2nd & 3rd Plt., Co. F, Anti-Terrorism Bn

Choose a Division...

Go

Divisions

Unit	Command	SubCommand	City	State	Location	Site
MarForRes Band	Marine Forces Reserve	MarForRes Band	New Orleans	LA	New Orleans, La	
3d Civil Affairs Group	Marine Forces Reserve	3d Civil Affairs Group	Camp Pendleton	CA	Camp Pendleton, Ca	
4th Civil Affairs Group	Marine Forces Reserve	4th Civil Affairs Group	Anacostia, Washington	DC	Anacostia, Washington, Dc	
3d Air-Naval Gunfire Liason Company	Marine Forces Reserve	3d Air-Naval Gunfire Liason Company	Long Beach	CA	Long Beach, Ca	
4th Air-Naval Gunfire Liason Company	Marine Forces Reserve	4th Air-Naval Gunfire Liason Company	West Palm Beach	FL	West Palm Beach, Fl	
Headquarters Environmental Services Division	Marine Forces Reserve	Headquarters Environmental Services Division	New Orleans	LA	New Orleans, La	
Headquarters	Marine Forces Reserve	Intelligence Support Battalion	New Orleans	LA	New Orleans, La	
4th Ground Sensor Platoon	Marine Forces Reserve	Intelligence Support Battalion	Mobile	AL	Mobile, Al	
Headquarters Company A	Marine Forces Reserve	Intelligence Support Battalion	San Diego	CA	San Diego, Ca	
All Source Fusion Plt Company A	Marine Forces	Intelligence Support Battalion	San Diego	CA	San Diego, Ca	

Contacts

Inspections

- Checksheets
- Dashboard
- Calendar

ECPSOPs

CETEP

Non Compliance Hotspots

- Hazmat
- HazWaste
- Medical Waste

EMS

Submissions
Completed
Inspections

Deficiencies
Incomplete Inspections

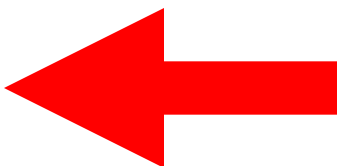
Inspections Dashboard

Place holder for dashboard,
open for discussion

Resources
Checklists
Schedule
ECPSOPs

Contact Us
Contact us for more
details through our
contact us form,
questionnaire, review

- Inspection Reports
- Checklists
- Inspection Photos

- 
- [Text](#)
 - [Attachment A](#)
 - [Attachment B](#)
 - [Attachment C](#)
 - [Attachment D](#)
 - [Appendices](#)
 - [Forms & Worksheets](#)

MARFORRES Environmental Compliance and Protection Standard Operating Procedure (ECPSOP)

Welcome!

You have accessed the website to download 2009 MARFORRES Environmental Compliance and Protection Standard Operating Procedures (ECPSOP). This document was originally published in July 2004. It was revised in 2008 and a copy was distributed to all Marine Corps Reserve Centers.

This website is your source to obtain electronic copies of the entire document or individual parts of it. Also, as the MARFORRES Environmental Office updates parts of the document, new versions will be posted on this site for distribution. Please check this site periodically for updates.

Use the menu at the left of this screen to select the information you need. Each selection will take you to the appropriate page where you can select items to be downloaded to your computer.

Text: Click on this link to download the entire document with all attachments or to download only the main chapters of the text.

Attachment A: Click on this link to download a specific Administrative Procedure/Work Instruction that can be selected from a table.

Attachment B: Click on this link to download the MARFORRES Environmental Checklists.



- [ECPSOP Document Library](#)
- [Photo Library](#)



Next Steps

- EM Portal Policies
 - Business Practices
 - Minimum site requirements
 - Posting EMS-related documentation
 - Reporting to HQMC
 - Quick guides for electronic forms/reports for EMS reporting and conformance tracking
- Additional webinars for each installation
- Upgrade to MOSS 2007
 - Additional functionality for installations
 - Will resolve certain access issues
- Application Integration

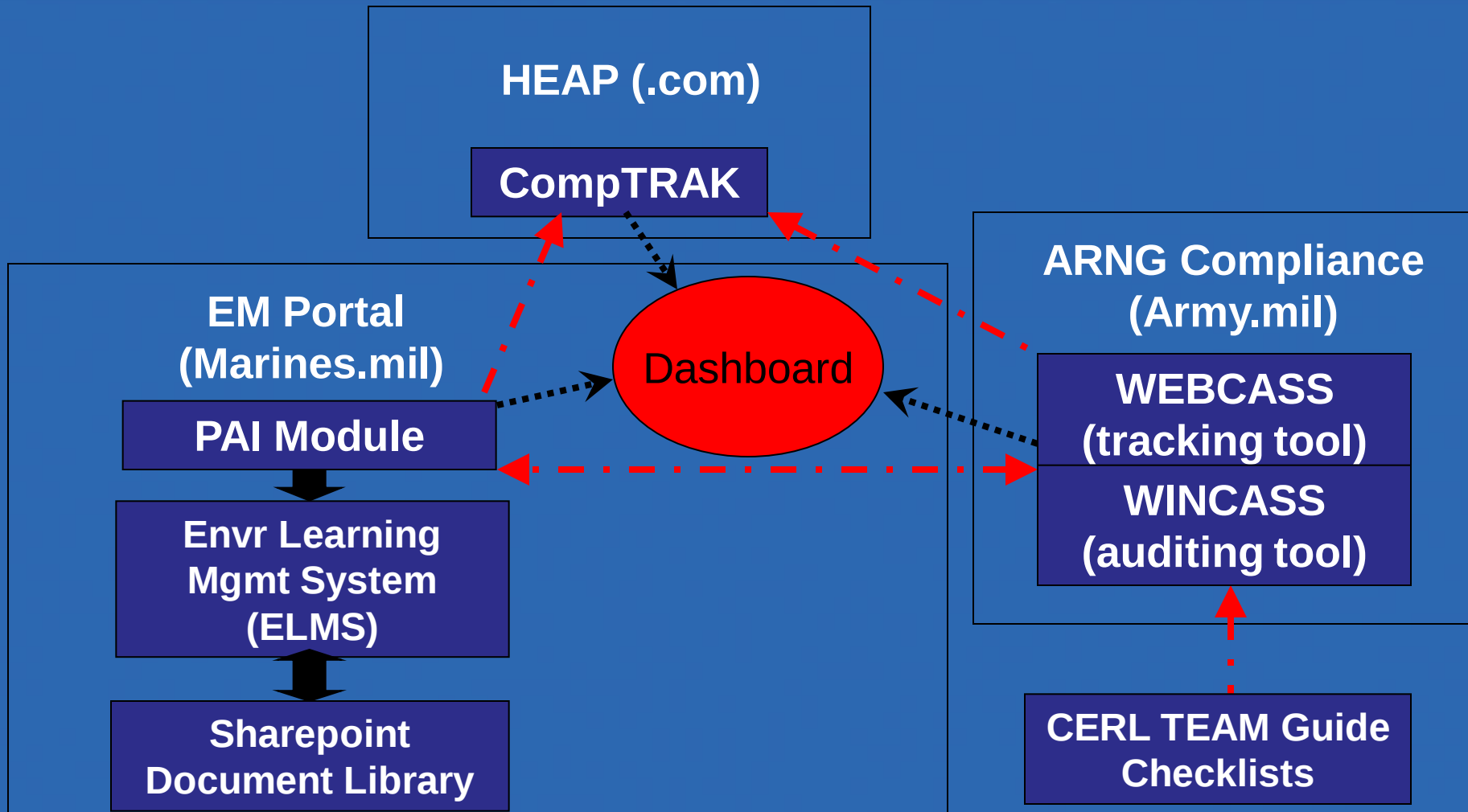


EM Portal Application Interaction

- **Future information exchange**
 - **Environmental Learning Management System (ELMS)**
 - identify courses based on profile in EM Portal
 - **WebCASS – new auditing tool**
 - link by practices and location (NFA)
 - **CompTRAK – USMC funding tool**
 - Link projects for funding by practices
 - **INFADS**
 - link by location (NFA)
 - **GEOFidelis**
 - link by location (NFA)



EM Portal Application Interaction





MARINE CORPS BASE QUANTICO

EMS Users Guide

Site Search

SEARCH

- Air Quality
- Asbestos
- Cultural Resources
- Green Procurement
- Natural Resources
- NEPA
- Pollution Prevention
- Recycling
- Solid Waste
- USTs / ASTs
- Water

Environmental Management System (EMS) Elements

- Policy
 - 1. Environmental Policy Statement
- Planning
 - 2. Environmental Requirements
 - 3. Processes, Aspects
 - 4. Risk Prioritization
 - 5. Objectives and Targets
 - 6. Actions to Improve Performance
- + Implementation
- + Checking and Preventive / Corrective Action
- + Management Review

Count	Practice Type	Practice	Aspect	Impact	Risk	Mission	Regulatory	Community	Action
2	Oil water separ	Oil-Water Separation	Hazardous material use	Degradation of air qual	490	8.3	7.9	6.9	Edit
3	Fueling - Vehicle	Fueling	Air Emissions - VOC	Degradation of air qual	450	8.8	7.1	4.4	Edit
3	Paint gun cleaning	Paint Gun Cleaning	Air Emissions - VOC	Depletion of solid waste	402.5	7.3	7.0	5.5	Edit
4			Air Emissions - HAPs	Degradation of air qual	402.5	7.3	7.3	5.0	Edit
3	Paint booth - Dry	Paint booth	Air Emissions - Particulate	Degradation of air qual				5.1	Edit
6			Air Emissions - VOC	Degradation of air qual				4.5	Edit
7			Hazardous material use	Depletion of hazardous waste				4.5	Edit
8	Painting prepart	Painting Preparation	Air Emissions - VOC	Depletion of hazardous waste				5	Edit
9			Air Emissions - HAPs	Degradation of air qual	402.5	6.8	6.8	5	Edit
2	Water storage - P	Potable Water Storage	Electricity use - General	Excessive noise related	400	6.8	6.75	4.5	Edit
4			Water use - General	Degradation of quality	400	7.0	7.9	6.9	Edit
4	Water distribut	Potable Water Distribution	Water use - General	Degradation of ground	400	7.0	7.1	4.4	Edit
6	Water distribut	Potable Water Distribution	Water use - General	Degradation of surface	400	6.8	7.0	5.5	Edit
3	Fueling - Vehicl	Fueling	Air Emissions - General	Degradation of ground	400	6.8	7.3	5.0	Edit
6	Water		Water use - General	Degradation of surface	400	6.6	6.4	5.1	Edit
3	HW s&w		Air Emissions - VOC	Degradation of ground	367.5	6.5	5.4	4.5	Edit
1	Oil wat		Spill - OWS back/bypass	Degradation of surface	350	6.4	6.8	4.5	Edit
8			Water use - General	Degradation of ground	325	6.3	6.25	5	Edit
4	Painting - Washin	Painting	Air Emissions - VOC	Degradation of surface	315	6.2	6.5	5	Edit
3	Painting - Brush	Painting	Air Emissions - VOC	Degradation of ground	315	6.1	6.75	4.5	Edit
3	Paint gun cleaning	Paint Gun Cleaning	Hazardous waste gener	Degradation of surface	287.5	6.0	6.9	6.9	Edit
3	Paint gun cleaning	Paint Gun Cleaning	Hazardous waste gener	Degradation of ground	287.5	5.9	4.4	4.4	Edit
3	Paint replacement	Parts replacement	Hazardous waste gener	Degradation of surface	287.5	5.8	5.5	5.5	Edit
3	Paint replacement	Parts replacement	Asbestos presence - Fri	Degradation of surface	280	5.7	5.0	5.0	Edit
3	Paint replacement	Parts replacement	Asbestos presence - Non	Degradation of ground	280	5.6	5.1	5.1	Edit
3	Paint replacement	Parts replacement	Hazardous waste gener	Degradation of surface	280	5.5	4.5	4.5	Edit
3	Paint replacement	Parts replacement	Hazardous material use	Degradation of ground	280	5.4	4.5	4.5	Edit
3	Paint replacement	Parts replacement	Solid waste generation	Degradation of ground	280	5.3	5	5	Edit
3	Paint replacement	Parts replacement	Solid waste generation	Degradation of surface	280	5.2	5	5	Edit
3	Paint replacement	Parts replacement	Hazardous material use	Depletion of nonrenew					Edit
3	Paint replacement	Parts replacement	Air Emissions - General	Degradation of Wetlan					Edit
3	Paint replacement	Parts replacement	Hazardous material use	Degradation of ground					Edit
3	Paint replacement	Parts replacement	Solid waste generation	Degradation of surface					Edit
3	Paint replacement	Parts replacement	Spill - Chemical or HW	Degradation of surface					Edit
3	Paint replacement	Parts replacement	Solid waste generation	Degradation of air qual					Edit
3	Paint replacement	Parts replacement	Use	Degradation of air qual					Edit
3	Paint replacement	Parts replacement	Use	Degradation of air qual					Edit
3	Paint replacement	Parts replacement	Use	Degradation of air qual					Edit
3	Screening/commin	Screening/Comminution	Use	Degradation of air qual					Edit
3	Paint removal - Ch	Paint Removal - Chem	Use	Degradation of air qual					Edit
3	Fueling - Vehicle	Fueling	Use	Degradation of air qual					Edit
3	HM storage	HM Storage	Air Emissions - VOC	Degradation of wetlan					Edit
3	Aboveground stor	Aboveground Storage	Air Emissions - General	Depletion of nonrenew					Edit
3	Paint removal - Ch	Paint Removal - Chem	Hazardous material use	Depletion of solid wast					Edit
3	Paint removal - Ch	Paint Removal - Chem	Hazardous material use	Degradation of air qual					Edit
3	Paint removal - Ch	Paint Removal - Chem	Hazardous material use	Degradation of air qual					Edit
3	HW satellite accum	HW Process Gener	Hazardous waste gener	Degradation of air qual					Edit
3	Underground stor	Underground Storage	Spill - Chemical or HW	Degradation of air qual					Edit
3	Underground stor	Underground Storage	Air Emissions - General	Depletion of solid wast					Edit
3	Paint removal - Dr	Paint removal - Dry	Air Emissions - Particulat	Depletion of solid wast					Edit
3	Fuel transport - Tr	Fuel Transport (Tr)	Air Emissions - General	Degradation of quality					Edit
3	Fuel transfer - Tan	Fuel Transfer - Tank	Air Emissions - General	Impacts to endangered					Edit
3	Fuel transfer - Tan	Fuel Transfer - Tank	Air Emissions - General	Degradation of soil qu					Edit



Buildings with Practice(s)

ID	Use	DSN
1000	Officers Club	4590
1001	Non-Commissioned Club	4576
1002	Fire Department	4888
1003	Mess Hall	4677
1004	Hanger 1	4637
1005	Hanger 2	4670
1006	Lift Station	4673
1007	Hanger 3	4670
1008	Cafeteria	4640
1009	Fueling Station	4599
1010	Waste Plant	4544

Commands with Practice(s)

2d Marine Logistics Group

AC/S, 18&L
Tenant Schools (TECOM)

- AC/S Marine Corps Service
- Field Management School

2nd Marine Division

1ST FSSG

Training & Operations
- Naval Hospital Camp Lejeune



MARINES

THE FEW. THE PROUD.

HEADQUARTERS ::

MARINE CORPS BASE QUANTICO

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Environmental Management System (EMS) Elements

- ☐ Policy
 - 1. Environmental Policy Statement
- ☐ Planning
 - 2. Environmental Requirements
 - 3. Practices, Aspects
 - 4. Risk Prioritization
 - 5. Objectives and Targets
 - 6. Actions to Improve Performance
- ☐ Implementation
- ☐ Checking and Preventive / Corrective Action
- ☐ Management Review

Practice: Hazardous Material Storage

Building: 1002

Command: 1st FSSG

Objective	Target <i>Give Date and Specific.</i>	Plan of Action	Responsibility/POC	Completion Date
Meet installation and MCO P5090.2a, Chapter 15 Pollution Prevention goals in the installation Hazardous Material Program.	Complete installation wide implementation commenced CY2004 of Hazardous Material Consolidation Program (HCP), using the Hazardous Material Management System (HMMS) in accordance with ECPSOP, 6280.3G, Chp 14, to include the bolt on air module, by 31 Dec 2009.	Receive bolt-on HMMS/ESP air module, ready for production.	Environmental/ Marie Stewart/ HCP Cell.	(Completed) 11/1/2008
		Implement CLD-15/1st FSSG.	HCP Cell/ Environmental Quality Division.	(Delayed; New) 5/29/09
		Implement all appropriate straggler units or areas of	HCP Cell/ Environmental Quality Division.	(Completed) 12/31/2008
		Implement direct billing for hazmat items to all HMMS units	HCP	(Completed) 12/31/2008
		Implement MAWTS-1 and all exercises supported by unit.	HCP Cell/ Environmental Quality Division.	(Completed) 2/28/2009
		Permanent server solution in place	HCP Cell/ Environmental Quality Division.	9/30/2009
		Implement appropriate contractor operations.	HCP Cell/ Environmental Quality Division.	12/31/2009

Practice: Water Plant Operations

Building: 1043

Command: 1st FSSG

Objective	Target <i>Give Date and Specific.</i>	Plan of Action	Responsibility/POC	Completion Date
Comply with the Arizona Department of Environmental Quality's (ADEQ) requirements of the Safe Drinking Water Act (SDWA).	Meet ADEQ's SDWA Stage 2 of the DIBPR that requires all systems to meet running annual averages (RAA) and locational running annual averages (LRAAs) of 80 ug/L for Total Trihalomethanes (TTHMs) and HAA5s by year 2013.	Conduct water plant study that will contain several courses of	Environmental/ Water Plant Working Group	(Completed) 2/15/2007
		Review water plant study and select course of action to best	Installation & Logistics / Water Plant EMS Working	(Completed) 5/15/2007
		Commence a contracted feasibility study at the water	Installation & Logistics / Water Plant EMS Working	(Completed) 12/1/2008
		Complete the water plant feasibility study of the	Installation & Logistics / Water Plant EMS Working	5/15/2009
		Evaluate feasibility study testing results, treatment capability and	Installation & Logistics / Water Plant EMS Working	7/30/2009
		Update Objective and Target based on decisions from 30	Installation & Logistics / Water Plant EMS Working	10/1/2009



Buildings with Objective(s)

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Commands with Objective(s)

2d Marine Logistics Group
 AC/S, I&L
 Tenant Schools (TECOM)
 - AC/S Marine Corps Service
 - Field Management School
2nd Marine Division
 1ST FSSG
 Training & Operations
 - Naval Hospital Camp Lejeune



Vision for EM Portal

- **In 1 years...**
 - Rollout will long be complete
 - Installations will use EM Portal as the primary tool for
 - sharing environmental information
 - managing EMS-related data and documentation
 - Additional linkage to other USMC web-based applications
 - Migration to MOSS 2007 platform
 - EM Portal policy will be rolled out
- **In 5 years...**
 - Additional linkage to other USMC web-based applications
- **In 7 years...**
 - No one will remember what life was like without EM Portal



EM Portal

Questions?