



FORT GORDON



US Army Garrison-Ft Gordon Installation Cross-Functional Team Meeting

13 January 2016
presented by

DPW Environmental Division, Compliance Branch

IMCOM Mission – Our mission is to synchronize, integrate and deliver installation services and sustain facilities in support.

INTRODUCTION



PURPOSE

- Assist the Garrison Commander in the formulation of installation environmental, natural and cultural resource management policies.
- Review progress towards meeting established goals.
- Monitor the effectiveness of the organizational environmental programs.
- Review the environmental management and compliance status.
- Propose actions for EQCC approval.

Cross-Functional Team Members

Cross-Functional Team Members

The Cross-Functional Team members include Environmental Officers and representatives from units, activities and organizations who are responsible for the management of any of the different facets of the Sustainability & Environmental Management System (SEMS), to include:

- Identifying environmental aspects
- Determining significant environmental aspects
- Setting objectives and targets
- Implementing environmental management programs
- Reviewing and Tracking EMS internal audits results
- Serving as an information resource

Organization Function	Expertise Brought to CFT	How They Help (Possible Roles)
Top Management	Capability for ensuring continual improvement	Communicate importance of SEMS throughout organization; provide necessary resources; track and review SEMS performance.
Accounting/Finance	Systems for tracking costs of operations and evaluating cost/benefits for new projects	Track data on environmental-related costs (resource, material and energy costs, etc.)
Shipping, Receiving, Transportation, Logistics	Management of environmental aspects of shipping receiving and transportation.	Help identify aspects; provide input to objectives and targets.
Public Relations	System for communicating with public on environmental issues.	Assist communications with external stakeholders
Operations Personnel/All Employees	Thorough knowledge of processes and operations	Provide first-hand knowledge of environmental aspects of their operations; support training of all personnel
Human Resources	Knowledge of training programs; experience with the inclusion of employee incentives in performance measurement system.	Define competency requirements and job descriptions for various SEMS roles; maintain training records; integrate environmental management into reward, discipline, and appraisal systems.
Purchasing/Contracting	Knowledge of procurement system (including screening of suppliers, material composition of components)	Develop and implement controls for chemical/other material purchases and for communicating requirements to contractors and suppliers.
Facilities Engineering	Management of environmental aspects of new construction and installation/modification of equipment.	Consider environmental impacts of new or modified products and processes; identify pollution prevention opportunities.
Environmental	Knowledge of system for complying with environmental regulations. Ensure all tasks related to SEMS are completed.	Provide and organizational and functional role in establishing and maintaining the SEMS.



FORT GORDON

Installation Cross-Functional Team Meeting



U.S. ARMY

Sustainability Actions



Energy Conservation

Building Energy Monitor (BEM)

Presented by:

Mr. Lowell Travis

Fort Gordon Energy Manager

Building Energy Monitor Program

- Appoint Building Energy Monitors (BEM) in each Facility.
- BEM conducts a walk through of their facilities ensuring all doors and windows are closed during the heating and cooling season.
 - Identifies list of energy using equipment
 - Determines the operating hours of equipment usage
 - Provides customer feedback and reports problems to DPW, light lumens, temperature, humidity, leaky faucet/shower, fans inoperable, etc.
- Identifies opportunity to convert energy waste into energy savings.
- Less energy and water usage, translates into savings and more resources available for future generation.

Fort Gordon Environmental Policy

- The Environmental Policy establishes the foundation for minimizing environmental impacts associated with Fort Gordon's activities and services.
- ISO 14001 requires that the Environmental Policy be communicated to all persons working for or on behalf of Fort Gordon.
- Key components of the Environmental Policy include a commitment to:
 - Continual improvement
 - Preventing pollution
 - Compliance with environmental laws, regulations, and requirements



Sustainability Environmental Management System (SEMS)

SUSTAIN THE MISSION
IMPROVE CONTINUALLY
GO THE EXTRA MILE
NEVER POLLUTE
ALWAYS OBEY THE LAW
LEAVE IT BETTER THAN YOU FOUND IT.



Sustainability Environmental Management System (SEMS)

What is it?

SEMS is a tool Fort Gordon uses to promote environmental stewardship.

What should I do?

Take the SEMS Awareness Training at <http://gordon.army.mil/index.php/environmental-division/training>

For more information, contact:
(706) 791-6278/6106



Monitoring & Measuring



Installation Cross-Functional Team Meeting



External EPAAS Findings and Review

7-11 Dec 2015

Media	Class I	Class II	Class III	Repeat/ Carried Over
Air Emissions	4	0	0	1R
Asbestos	0	0	1	0
Cultural Resources	0	0	0	0
Hazardous Material	0	0	0	0
Hazardous Waste	9	0	2	0
Natural Resources	0	0	1	0
Operational Noise	0	0	1	0
Petroleum, Oil, and Lubricants	6	0	1	2C
Pollution Prevention	0	0	1	0
Solid Waste	4	0	3	0
Storage Tanks	0	0	0	0
Water Quality/Drinking Water	0	0	0	0
Wastewater & Storm Water	7	0	0	0
FY16 Totals	30	0	10	3
FY13 Totals	26	0	4	

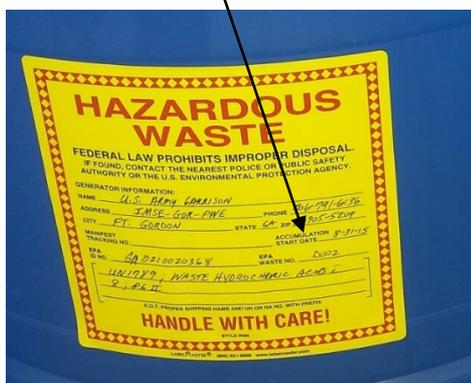
Air Emissions (4 Class I)

#	Finding Location	Finding Description	\$ to Fix/ Source
1	Bldg 25910	Method 9 opacity performance tests for visible emissions must be performed on each boiler	“\$0”
2	Bldg 14600	5 years of Title V records not maintained	“\$0”
3	Bldgs 25910 and 14601	Shop personnel are not providing records of servicing Ozone Depleting Chemical (ODC) equipment with a 50 pound or greater class I or II ODC	“\$0”
4	Bldg 15303	Solvent degreasers with solvent inside need to have the lid closed when not in use	“\$0”



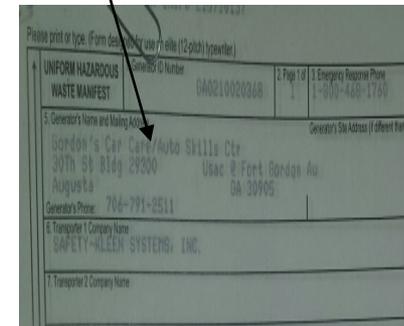
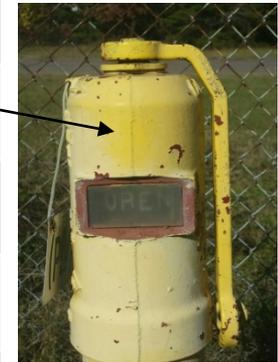
Hazardous Waste (9 Class I)

#	Finding Location	Finding Description	\$ to Fix/ Source
1	Bldg 300	Sufficient aisle space is not available in the less than 90 day hazardous waste storage area	"\$0"
2	Bldg 1064	At the HMCP in Building 10604 three containers exceeded the 90 day limit	"\$0"
3	All 3 90 day HW storage areas	Contingency plans are incomplete lacking site specific information	~\$10K VENQ
4	Gillem CID lab & Reserve Motorpool	Waste fluorescent bulbs were in container with no label identifying them as a universal waste	"\$0"



Hazardous Waste (9 Class I continued)

#	Finding Location	Finding Description	\$ to Fix/ Source
5	Bldg 1071	Epoxy surfaces not maintained in accordance with permit	~\$4K VENQ
6	Bldg 1064	Gate valve for loading/unloading area drainage left open during loading operations	“\$0”
7	Bldg 14600	Block 5 of manifest routinely filled out incorrectly for Auto Skills Center	“\$0”
8	SAP 14304-B	Hazardous waste (diesel quick start cylinders) are improperly stored in open cardboard box	“\$0”
9	Portalet Contractor Area	Incorrect waste determination for disposal in dumpster of full ignitable hand sanitizer bags	“\$0”



Natural Resources (1 Class III)

#	Finding Location	Finding Description	\$ to Fix/ Source
1	Bldg 29717	Conservation Law Enforcement Officers have not received cultural resource specific training as required by AR200-1	“\$0”

POL (6 Class I)

#	Finding Location	Finding Description	\$ to Fix/ Source
1	Bldg 310	The 200K gallon underground heating oil tank at the Hospital Power Plant does not have secondary containment.	~ \$1.2M SRM Garrison/DLA
2	14600C, 25501A, 322A, 35200A, 35200B, 36700A and 36700B	SPCC-regulated underground storage tanks did not have required leak detection	~\$98K SRM
3	Bldg 25910	Secondary containment structures are not properly managed	“\$0”
4	Bldg 40127A	Used cooking oil container did not have secondary containment.	~\$2K QDPW



POL (6 Class I continued)

#	Finding Location	Finding Description	\$ to Fix/ Source
5	Bldg 13700	Various drums not labeled and/or provided with secondary containment	“\$0”
6	Bldg 14603	Peeling paint and corrosion of the tank under the rain shield	~\$2K SRM



Pollution Prevention (1 Class III)

#	Finding Location	Finding Description	\$ to Fix/ Source
1	Bldg 14600	Government Credit Cards used to purchase HM without prior approval	“\$0”

Solid Waste (4 Class I)

#	Finding Location	Finding Description	\$ to Fix/ Source
1	Carter Inert LF Gibson Rd Inert LF	Landfills not operated IAW Georgia requirements	“\$0”
2	Training Area 17 Mulch Site	Fort Gordon placed and is maintaining waste in an unauthorized spot	~\$300K SRM/QDPW
3	Gibson Road & Carter Road Inert Landfills	Quarterly disposal reports not completed and provided to State for the inert landfills	“\$0”
4	Hospital	Red bags improperly used for collection and storage of non medical wastes	“\$0”



Waste/Storm Water (7 Class I)

#	Finding Location	Finding Description	\$ to Fix/ Source
1	Multiple	Detention basins require removal and disposal of excess vegetation from storm water control features	~\$30K QDPW
2	Gillem Enclave	Facility POCs have not received required annual storm water training	~\$3K VENQ
3	Portalet Contractor Area	Vehicles at this site were leaking POLs and operating an unapproved wash pad and is not identified as a municipal operation	"\$0"
4	Bldg 533	Authorized use wash rack was inoperable and vehicles are washing in the open with water draining off site.	~\$3K QDPW



Waste/Storm Water (7 Class I continued)

#	Finding Location	Finding Description	\$ to Fix/ Source
5	Bldg 533	Unpermitted rain event discharge from sand pile at golf course located on a slight slope and not covered	~\$2K MWR
6	Gillem 705	Pole barn area not identifying leaking vehicles during inspections or utilize BMPs to prevent contamination of storm water from oil	“\$0”
7	Bldg 14600	Gillem Enclave’s Georgia NPDES General Permit No. GAR050000 for Storm Water Discharges Associated with Industrial Activity signed by an environmental branch chief	“\$0”

EPAAS EMS FINDING DEFINITIONS

- Conformance: *Meets the ISO 14001 Standard*
- Major Nonconformance: *Significant failure to meet the intent of the standard and Army policy*
- Minor Nonconformance: *Minor oversights during implementation or maintenance of the EMS*
- Observation: *Optional comment - current practices don't follow BMPs which could potentially lead to a future Nonconformance*

EMS Findings Summary

Audits	Conformances	Minor Non-conformances	Major Non-conformances
FY13	10	7	1
FY16	13	3	2

General Requirements	Conforms to Audit Criteria
Environmental Policy	Conforms to Audit Criteria
Environmental Aspects	Conforms to Audit Criteria
Legal and Other Requirements	Conforms to Audit Criteria
Objectives, Targets, and Program(s)	Conforms to Audit Criteria
Resources, Roles, Responsibilities and Authority	Some roles and responsibilities have not been defined or communicated
Competence, Training and Awareness	Conforms to Audit Criteria
Communication	Some communications have not been coordinated across functions of the organization and with external parties
Documentation	Conforms to Audit Criteria
Control of Documents	Unintended use of obsolete documents has not been effectively prevented
Operational Control	Several physical, engineered, and administrative controls have not been maintained
Emergency Preparedness and Response	Conforms to Audit Criteria
Monitoring and Measurement	Several key operational controls have not been monitored
Evaluation of Compliance	Conforms to Audit Criteria
Nonconformity, Corrective Action and Preventive Action	Conforms to Audit Criteria
Control of Records	Conforms to Audit Criteria
Internal Audit	Conforms to Audit Criteria
Management Review	Conforms to Audit Criteria

EPAS FINDINGS DEFINITIONS

EPAS Compliance Findings Definitions

- **Class I**: Noncompliance with existing Federal, State, or local regulation (effective within next 6 months); Executive Order (EO) noncompliance with future regulatory requirement (effective within next 6 months); or noncompliance with EO directed at installation.
- **Class II**: Noncompliance with future regulatory requirement (effective in 6 months to 2 years).
- **Class III**: Noncompliance with Army/DOD regulation, SOP, or guidance; inconsistent with good management practice; or noncompliance with EO directed at the Army.
- **Positive**: Above and beyond regulatory requirements, transferrable, of measured benefit, and not previously awarded.

EMS Findings Definitions

- **Conformance**: Management system conforms to ISO 14001 standard
- **Major Nonconformance**: EMS is missing element of standard or has systemic problem.
- **Minor Nonconformance**: EMS conforms with minor exception.
- **Observation**: Optional Comment. Used to provide information to enhance or improve EMS.

ICAP Finding Summary (FY16 1st Qtr)

(EPAAS/AEPA)

Compliance Area	Open Findings	Location	Finding Summary	Corrective Actions
Air Emissions	1 – Class I	Fort Gordon - Power Plants, Akima Global	Fuel gauge on bldg 310 generator not working for last 2 years. (Permit requirement)	DDEAMC project in process to replace the Bldg. 310 generator (4283 submitted)
Environmental Management System	1 – Class I 6 – Class III 2 – NC 6 - Obs	Fort Gordon/ Gillem Enclave	Operational Controls not maintained IAW GC Env Policy; Environmental Officer/Building Energy Monitors not appointed; HazCom/HW training not completed by assigned personnel	Actions to close EMS findings in process; Re-declaration of conformance allowed once AEC validates corrective actions have been implemented
Hazardous Materials/Hazardous Waste	2 – Class I 3 – Class III	Fort Gordon/ Gillem Enclave	HW containers in the Fisher Dental Lab were improperly managed. HW training needed at Gillem Enclave	<i>Working with Preventive Medicine to correct finding; HW training to be completed</i>
Storage Tanks/Petroleum Oils and Lubricants (POL)	2 – Class I	Fort Gordon	Bldg. 310 Heating Oil UST has inadequate containment; No confirmation or records that some USTs have been removed	<i>Bldg. 310 UST included in regular inspection/monitoring; A 4283 has been submitted requesting survey of unknown tank sites; a phased plan for tank removals has been prepared and submitted to DPW and Real Property.</i>
Spill Prevention (SPCC)	2 – Class I 1 – Class III	Fort Gordon/ Gillem Enclave	Tank integrity testing not conducted on a regular schedule; Used Cooking oil tank has no secondary containment. SPCC Training needed at Gillem Enclave	<i>Schedule developed for required tank testing; Removal of used cooking oil tanks requires BASOPs contract mod; Coordinating for SPCC Training at Gillem Enclave</i>
Water Management	4 – Class I	Fort Gordon/ Gillem Enclave	Failure to meet MS4 permit requirements. Open Notice of Violation.	Perform Best Management Practices (BMPs) and properly maintain Stormwater outfalls to meet permit requirements. (Contract in progress to address outfalls).

Note: This does not include EPAAS findings!

Corrective & Preventive Actions

1st QTR FY16

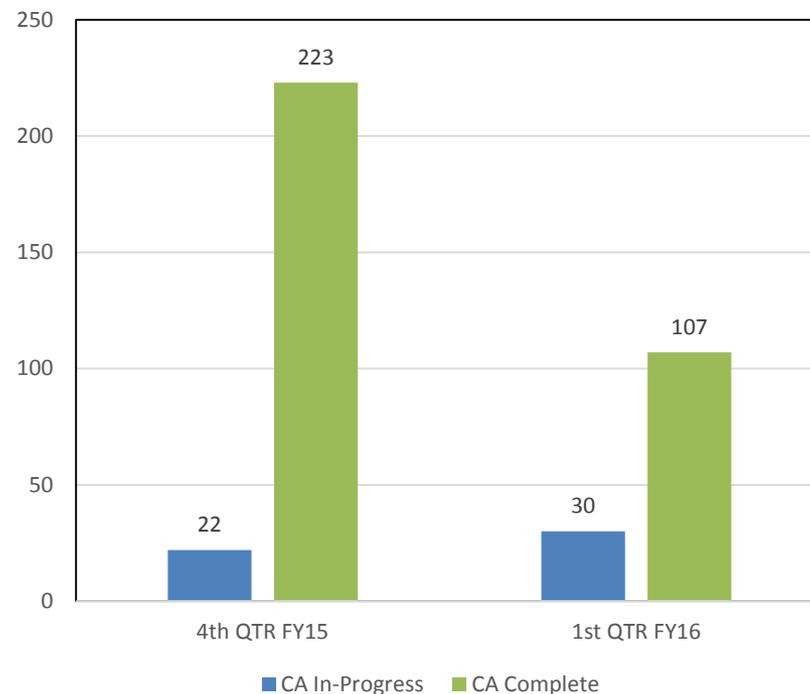
- Goal:** Minimize the number of repeat and long term findings by identifying root causes and implement measures to ensure compliance.

2015 Ongoing Actions

➤ 2015 TRAINING SCHEDULE		
# of Classes Offered	Classes Conducted	Name of Class
2	1	Environmental Officer Course
4	4	Hazardous Materials/ Waste Management
11	10	Hazardous Waste Management Refresher
4	4	SPCCP (Spill Training)
4	3	Industrial Stormwater Training
12	11	ACM & LBP Awareness Training at Self-Help
4	4	Environmental Brief in the Pre-Command course
0	16	ACM Awareness

Note: Classes not conducted if minimum enrollment is not met.

Findings Corrective Action Status



*Beginning 1st QTR FY16, all findings closed (corrective actions complete) from FY05-FY11 dropped from graph.

* Two nonconformances and six observations from the 5-6 Nov 15 EMS audit added.



Environmental Reports, Activities, & Updates

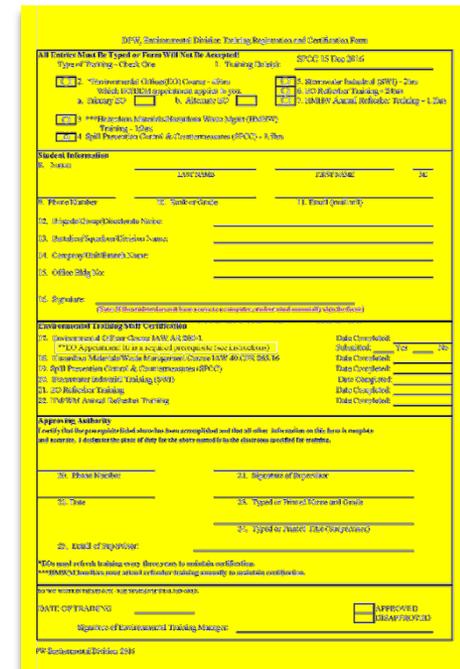
Installation Cross-Functional Team Meeting

New Training Requirements



ATTN: NEW REQUIREMENTS FOR ALL ENVIRONMENTAL TRAINING REGISTRATION:

- Starting 1 January 2016, you will be required to submit a registration form and/or attachments for all environmental training classes/courses
- The new registration form must be signed by your Supervisor (you are not permitted to sign your own registration form)
- This form will serve as your training certification (which means a form from EACH student).
- As a prerequisite all Environmental Officers (EOs) are required to submit an appointment letter signed by your Supervisor designating you as the EO/BEM for your organization in order to be eligible to enroll in the EO training.



The image shows a yellow registration form titled "Environmental Training Registration Form". It includes sections for "Student Information", "Environmental Training Voucher Certification", and "Supervisor Certification". The form has various fields for names, dates, and signatures, along with checkboxes for different training categories.

By 15 February all Environmental Officers (EO) and Environmental Point of Contacts (EPOC) must submit a Sustainability Environmental Management System (SEMS) General Awareness Training report, which is due to this office by 30 September annually.

SEMS General Awareness training is a mandatory training required by all Fort Gordon personnel (military, civilian, and contractors) as directed by Fort Gordon SEMS Manual Training and Awareness Procedures.

You Activity's EO or EPOC should maintain a record of SEMS training for possible future audits. This training is required within 30 days of arrival to the installation and should be refreshed annually on the anniversary of the date of initial training.

If you have not obtained the training, you can do so at <http://www.gordon.army.mil/index.php/environmental-division/training> For further guidance, please call 791-6106.

Please notify this office via email (karen.l.harvey-harris.ctr@mail.mil) by 30 September of your organization's completion status by using the attached SEMS Training Reporting Form.

ENVIRONMENTAL OFFICER APPOINTMENT ORDERS

APPLIES TO:

- ❖ All Fort Gordon Headquarters directorates and organizations, all installation support activities and organizations, permanently or temporarily active duty military and reserve components, civilians, tenant organization, contractors (government owned and contractor operated and contractor owned and contractor operated), and other personnel on US Army Signal Center of Excellence and Fort Gordon.

EACH ORGANIZATION ON FORT GORDON SHALL ENSURE WRITTEN APPOINTMENT OF ENVIRONMENTAL OFFICERS:

- ❖ Includes detachments, units, and tenants of Army Signal Command Center of Excellence- Fort Gordon.

APPOINTMENT:

- ❖ Each organization will appoint a primary and alternate EO at each level of supervision (i.e. division, branch, shop, etc.) in writing to represent their environmental concerns. Appointments will be forwarded to the Directorate of Public Works, Environmental Division, as they occur.
- ❖ **Serve as the unit or activity Energy Monitor** including, but not limited to, calling in work orders for low cost maintenance and energy conservation opportunities and reporting problems associated with the building's heating and cooling systems.

REQUIREMENTS:

- ❖ All US military units and organizations, participating in exercises and utilizing any ASC-Fort Gordon installation, site, ranges, supported by ASC-Fort Gordon facility, training area, or range facility **longer than 14 days will appoint an EO** to act as the POC for environmental concerns. The appointed EO must contact DPW, Environmental Division within two working days, after arrival on ASC-Fort Gordon, with location, spill contingency plan, and other contact information.

Environmental Communication

Point of Contact for Environmental Communication:

Karen Harvey, 791-6106 or karen.l.harvey-harris.ctr@mail.mil

- Website Content
- Training & CFT Meeting Coordination
- Facebook
- Other Social Media Coming





Closing



Summary of Guidance and Directives

Next Meeting will be:

FY 16 3rd QTR CFT Meeting

Thursday, 28 April 2016



FORT GORDON



INSTALLATION MANAGEMENT COMMAND



FORT GORDON

SUSTAIN, SUPPORT, DEFEND