



Environment & Energy Meeting

**(Combined Environmental Quality Control
Committee, Recycling Board, and Garrison
Energy Steering Committee Meetings)**

16 October 2014



Agenda



- 1. Opening Remarks – Andy Poppen**
- 2. Qualified Recycling Program Update – Ernest Dicks**
- 3. Air Program Update – Christy Pollock**
- 4. Environmental Performance Assessment System (EPAS) –
Patrick Green**
- 5. America Recycles Day – Lisa McKnight**
- 6. Energy Update – Matt Gibbs**
- 7. Open Discussion - Attendees**
- 8. Closing Remarks - COL Graese**



Qualified Recycling Program (QRP) Update

Ernest Dicks

Recycling Center Manager



BCT UNITS INCENTIVE AWARDS



4th Qtr

HHC 193 RD INF BDE	\$60
1/13 TH	\$520
2/13 TH	\$515
3/13 TH	\$525
2/60 TH	\$350
3/60 TH	\$550

\$2520

HHC 165 TH BDE	\$ 330
1/34 TH	\$ 365
3/34 TH	\$1,100
2/39 TH	\$ 85
1/61 ST	\$ 525

\$2405



LARGE UNITS INCENTIVE AWARDS



	4th Qtr
120 TH AG BN	\$ 1095
369 TH AG BN	\$655
187 TH OD BN	\$120
Moncrief	\$1130

\$3000



ALL OTHER UNITS INCENTIVE AWARDS



4th Qtr

HHC 171st BDE	\$150
4/10 TH INF BN	\$320
ATC	\$90
DSS	\$80
175 TH OD BDE	\$60
81 ST REC	\$65
USACHCS	\$85
NAVY RESERVE	\$150
WTU	\$0



ALL OTHER UNITS INCENTIVE AWARDS



MEPS	\$70
Columbia Recruiting Command	\$50
HHC USAG	\$175
VET SVS	\$0
NIACT	\$45
BARCOM	\$15
37 TH CID	\$0
USARC	\$0
208 TH	\$5
McCrary	\$170

\$1530



Shred Day



Held 4 times a year, usually
at the Recycling Center,
from 0900-1400

21 May 14 > 19,000 lbs

20 Aug 14 - 28,000 lbs



NEXT SHRED DAY: 14 November 2014



Cardboard Dumpster Trailer





For Questions or Additional Information:

Ernest Dicks

Recycling Center Manager

(803) 751-4208

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Air Program Update



Christy Pollock
Air Quality Program Manager



Generator Review



- **Federal Regulations**
 - 40 CFR Part 60 IIII and JJJJ, and 40 CFR Part 63 ZZZZ
 - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
- **Requirements**
 - Operational Recordkeeping
 - Maintenance
- **Monitoring Project**
 - Cellular monitoring devices installed
 - Track operation and status
 - Records maintained on web portal



Unit Display Filter:

Apply Filter

Show exceptions only

Number of Units per Page

[View](#) | [Current Data](#) | [Log Off](#) | [Customer Support Page](#)

		4282 #13429												
<input type="radio"/>	13428	FORT JACKSON BLDG 5499 #13428						0	26.26	--	--	44	11412	Wed Oct 8 12:08:22 EDT 2014
<input type="radio"/>	13418	FORT JACKSON BLDG 5900 #13418						0	12.74	--	--	16	11412	Tue Sep 23 11:22:45 EDT 2014
<input type="radio"/>	13422	FORT JACKSON BLDG 7533 #13422						0	27.58	41	0	34	11412	Wed Oct 8 12:00:37 EDT 2014
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<input type="radio"/>	13424	FORT JACKSON BLDG F7905 #13424						0	13.41	28.1	0	18	11412	Wed Oct 8 10:39:35 EDT 2014
<input type="radio"/>	13417	FORT JACKSON BLDG J4237 #13417						426.22	27.77	--	--	24	11412	Wed Oct 8 13:36:32 EDT 2014
<input type="radio"/>	13423	FORT JACKSON GATE 4 #13423						0	13.08	--	--	28	11412	Tue Sep 23 11:29:45 EDT 2014
<input type="radio"/>	13421	FORT JACKSON GATE 5 #13421						0	13.13	--	--	28	11412	Tue Sep 23 10:43:56 EDT 2014
<input type="radio"/>	13427	JOHNSON RIFLE ROAD #13427						0	12.97	170.3	0	30	11412	Wed Oct 8 13:45:35 EDT 2014

Machine Type: G8500-C4-OMN-BASE Data Link:
Online - OmxPeak3

- Questions? Please Call OmniMetrix Tech Support 770-209-0012 Option 2 or email: techsupport@omnimetrix.net



Status

FORT JACKSON BLDG J4237 #13417 (Unit #: 13417)

Nodes In Active State

Alarm ID	Condition	Last Changed
35	Coolant Temp Low *	Thu Oct 2 11:45:00 EDT 2014

[Click Here To Close Window](#)

Nodes Not In Active State

Alarm ID	Condition	Last Changed
32	Engine Stopped *	Thu Oct 2 11:45:00 EDT 2014
33	Common Alarm Test OK	--
34	Coolant Temp High Test OK	--
36	In Auto	Thu Oct 2 11:35:00 EDT 2014
40	Monitor Remote Start Relay 1 Inactive	Thu Oct 2 11:44:00 EDT 2014
41	Monitor Relay 2 Inactive	--
1025	Data is Current	--

[Click Here To Close Window](#)



Alarm History

Unit: FORT JACKSON BLDG J4237 #13417

Monitoring:	Date:	Alarm State:
Engine Stopped *	Thu Oct 2 11:45:58 EDT 2014	0
Coolant Temp Low *	Thu Oct 2 11:45:58 EDT 2014	0
Coolant Temp Low Test OK	Thu Oct 2 11:44:45 EDT 2014	1
Engine Running *	Thu Oct 2 11:44:45 EDT 2014	1
Monitor Remote Start Relay 1 Inactive	Thu Oct 2 11:44:20 EDT 2014	1
Monitor Remote Start Relay 1 Active	Thu Oct 2 11:42:28 EDT 2014	0
In Auto	Thu Oct 2 11:35:39 EDT 2014	1
Engine Stopped *	Thu Oct 2 11:35:39 EDT 2014	0
Coolant Temp Low *	Thu Oct 2 11:35:39 EDT 2014	0
Data is Current	Thu Oct 2 11:30:32 EDT 2014	0

Print

Re-Query

Close Window

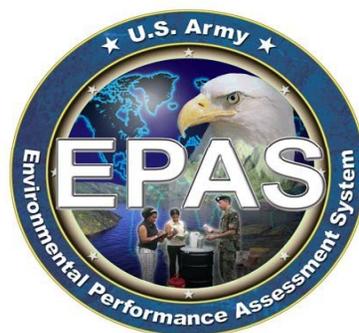


For Questions or Additional Information:

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Environmental Performance Assessment System (EPAS)



Patrick Green
EPAS Program Manager
751-5904



Mandatory Requirement



- Executive Order 13423, Strengthening Federal Environmental, Energy, and Transportation Management, 26 Jan 07.
- Army Regulation (AR) 200-1, Environmental Protection and Enhancement, 13 Dec 07.
- Fort Jackson Regulation (FJ) 200-8, Environmental Protection and Enhancement.



EPAS is an Assessment NOT an Inspection



EPA & SCDHEC conduct inspections and can issue notices of violation and fines!

EPAS assesses deficiencies and assists with corrective actions!





EPAS BENEFITS



- Helps to eliminate fines and regulatory actions
- Aids in long term sustainment of Army installations and missions
- Increases environmental awareness
- Provides recognition for exceptional programs
- Assesses the Environmental Management System (EMS) and Environmental Compliance aspects of an installation's environmental program.

EPAS Goal: To assist Army commanders in attaining, sustaining, and monitoring environmental compliance.





Environmental Performance Assessment System (EPAS)



EPAS incorporates both external and internal assessments

External EPAS (**2-6 February 2015**)

- Conducted every three years by the U.S. Army Environmental Command (AEC) and a team of subject matter experts
- Provides non-regulatory, independent evaluation
- Takes a “**snapshot**” of organizations’ environmental compliance program
- Assesses deficiencies and provides corrective actions
- **Findings generally correlate to notices of violations and enforcement actions**

Internal EPAS

- Conducted annually by installation personnel (EMB EPAS Team)
- Ensures all organizations are in compliance
- Provides assistance with corrective actions
- Deficiencies tracked from “cradle to grave”
- **May be announced or unannounced**



Finding Classifications



- Class I: Noncompliance with a current Federal, state, or local law or regulation; including an Executive Order (EO).
- Class II: Noncompliance with future Federal, state, or local regulation (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.



External EPAS Findings 2011

13 Media Areas Assessed
(16 Findings)



Class I Findings (6)

- Cultural Resources (1)
- Hazardous Material (2)
- Hazardous Waste (2)
- Natural Resources (1)

Class III Findings (6)

- Hazardous Material (2)
- Natural Resources (2)
- Pesticides (1)
- Air (1)

Class II Findings (4)

- Petroleum, Oil, and
Lubricants (4)

EPAS Assessment Results

Findings	2010 167 assessments (552 Findings) I-EPAS	2011 (16 Findings) E-EPAS	2012 172 assessments (463 Findings) I-EPAS	2013 117 assessments (283 Findings) I-EPAS	2014 89 assessments (221 Findings) I-EPAS
Hazardous Material	259	4	60	57	67
Hazardous Waste	31	2	57	9	9
Natural Resources	0	3	0	2	0
Solid waste	42	0	66	22	14
Cultural resources	1	1	0	0	0
POLs	2	4	22	2	3
Pest Management	0	1	0	0	2
Asbestos	15	0	2	1	1
Air Emissions	3	1	0	0	0
ENV Documentation	84	N/A	38	42	39
ENV Training	35	N/A	27	43	32
No ECO	70	N/A	31	53	28



Most Common Deficiencies



- No assigned/trained Environmental Compliance Officers
- Hazardous substances improperly labeled, stored, and/or maintained (i.e. open, unlabeled, mislabeled)
- Mismanagement of Universal Waste (UW) (lamps, batteries)
- Excessive old equipment and debris/poor housekeeping
- Missing environmental documentation/records
- Units not recycling



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UW improperly stored and/or maintained





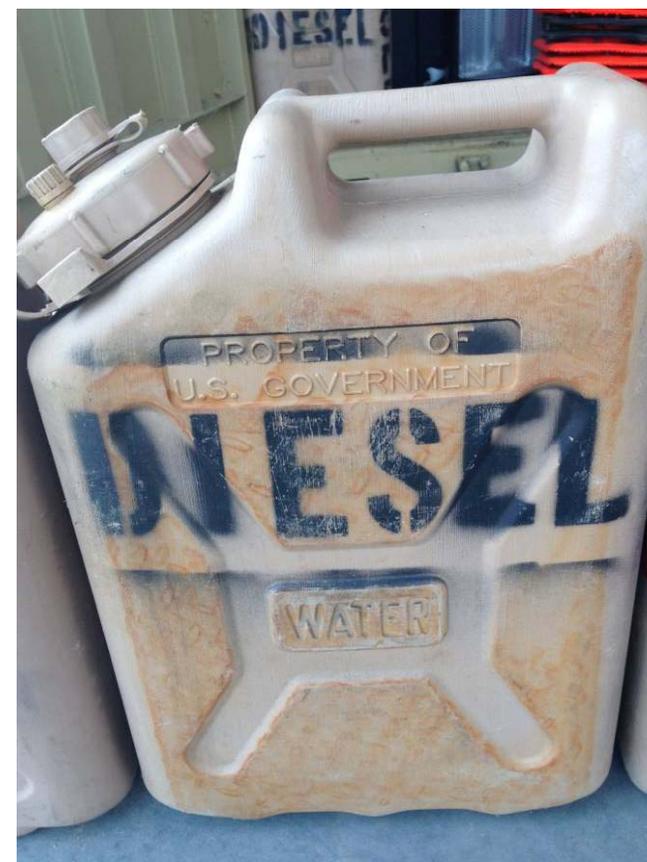
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Poor Housekeeping





Mislabeled Containers





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Mislabeled Containers





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Miscellaneous



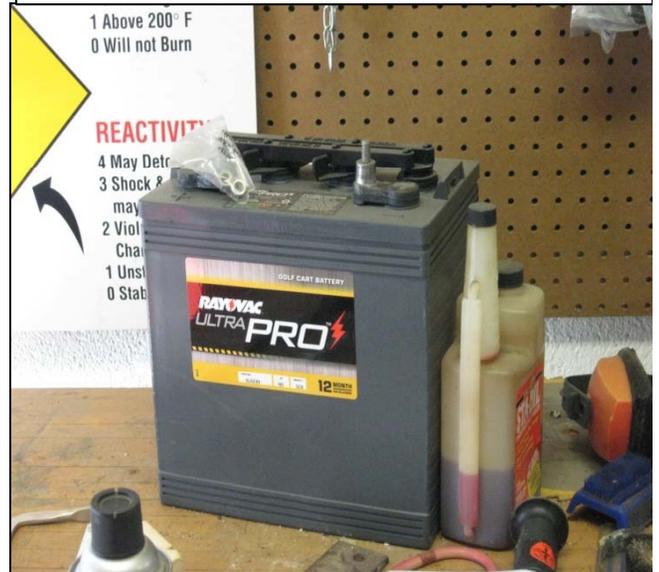
Open / unlabeled containers



Compressed gas cylinders were improperly stored, and/or maintained



UW improperly stored/maintained





FY15 External EPAS Preparation Plan



- Environmental Division
 - Initiate “targeted” assessments and “unannounced” assessments
 - Provide “real time” feedback
 - Review/summarize status of 2011 EPAS findings
 - Distribute EPAS Fact Sheet for hierarchy/others
 - Provide detailed EPAS training to selected personnel
- Fort Jackson Organizations
 - Ensure organizations have trained ECOs
 - Conduct required monthly inspections
 - Contact the Environmental Division with any questions



Questions



- Patrick Green: 751-5904
patrick.i.green1@us.army.mil





Environmental Outreach Update

Lisa McKnight
Program Manager



America Recycles Day 2014



- 14 November at the Recycling Center, 0900-1400

- Collection includes:

- | | |
|-------------------|----------------------|
| - E-Waste | - Eyeglasses |
| - Scrap Metal | - Cell Phones |
| - Clothing & Toys | - Glass |
| - Paper/Plastic | - Ink Cartridges |
| - Tires | - Fire Extinguishers |
| - Cardboard | - Cooking Oil |

- 2013 Collection Totals

- E-waste - 5,135 lbs
- Shredded Paper - 19,000 lbs
- Scrap Metal - 300 lbs
- Clothing Items - 128 cubic feet of clothing items.





Did you know...?



OCTOBER IS ARCHAEOLOGY MONTH

Come participate at the Family Field Day on October 18th at Twin Lakes.

10:00 am – 2:00 pm / Public archaeology excavation, free posters, artifact displays, kid's activities, lunch for purchase, and more!



HISTORY LIVES HERE

Fort Jackson is home to hundreds of cultural sites.

Artifacts are federal property and shall not be removed from the installation.

Contact the Cultural Resources Program Manager at 751-7153 for more information.



For Questions or Additional Information:

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(803) 751-5971

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Energy Update

Matt Gibbs
Energy Manager



Energy Conservation Requirements



- The Energy Policy Act (EPACT) of 2005 established an energy efficiency goal for all federal agencies of 3% reduction in energy intensity per year from 2005 to 2015, for a total of 30% energy intensity reduction, compared to the base year of 2003 energy consumption of 99.6 MMBTU/kSF.
- FY12 energy consumption was 87.3 MMBTU/kSF or a 12.3% reduction.
- FY13 energy consumption was 100.8 MMBTU/kSF or a 1.0% increase.



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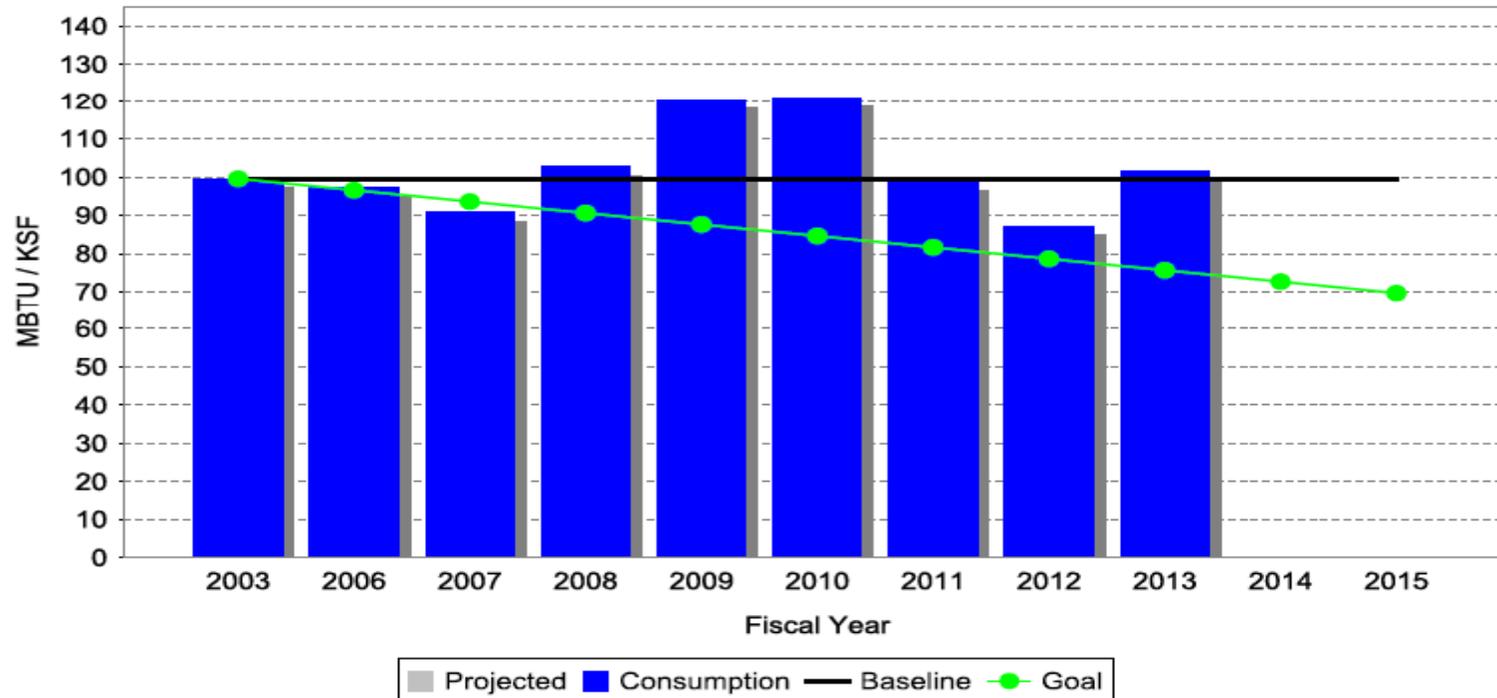
2003-2013 Energy Intensity



07 January 2014

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45455 FORT JACKSON



If a projected bar is shown for the current fiscal year, the blue area is based on actual consumption and KSF data entered, while the gray area projects the year end consumption per unit area if consumption continues at the same rate.



Building Energy Monitor (BEM) Program



- Tasker ID Number 20121178 requires each installation to be performing at the “Green” rating level, NLT 14 December 2012, for the following Garrison Energy Program Action Plan items:
 - EN-1.3 BEM Program;
 - EN-1.4 Command Briefing;
 - EN-1.7 Energy Awareness Training;
 - EN-1.10 Garrison Energy Steering Committee.



BEM Program Next Steps



- Assign BEMs for each building.
- BEMs report to Garrison Energy Manager.
- Continue to train BEMs in energy efficiency.
- BEM duties include actively monitoring lighting conditions, hot water heater set-points, space heating and cooling set-points and building envelope condition, among others. BEMs should be given authority and/or power to make or request changes to the spaces they are responsible for.



BEM Assignments



- Briefed plan to assign BEM duties to Environmental Compliance Officers (ECOs) at the EQCC meeting on 17 Oct 13.
- We have included a BEM course of instruction in the ECO courses.
- Selection of BEMs and ECOs is up to the unit. They can be the same person, but don't have to be.
- OPORD came out to nominate BEMs. No responses to date, but to date 130 personnel have received BEM training with the ECO Course.



Infiltration



Infiltration is heat lost or gained due to outside air entering a building through cracks around windows, doors and through the outside shell of the structure.



Infiltration Recommendations



- Ensure all doors and windows are closed, especially during the heating and cooling seasons. Sometimes signs help to remind occupants to close doors.
- Keep doors closed to unheated rooms or areas to prevent infiltration to conditioned spaces.
- Periodically check the weather stripping and caulking. If it is old and dried or peeling, be sure to submit a work order for repairs.



For Questions or Additional Information:

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Open Discussion



Closing Remarks



Next E&E Meeting 15 January 2015