



Environment & Energy Meeting

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

17 April 2014



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Agenda



- 1. Opening Remarks – Barbara Williams**
- 2. Qualified Recycling Program Update – Ernest Dicks**
- 3. Environmental Awards – Patrick Green**
- 4. Sustainability Management System – Tamera Warren**
- 5. Solid Waste Update – Stephanie Gillian**
- 6. Outreach Update – Lisa McKnight**
- 7. Cultural Resources Violation – Doug Morrow**
- 8. Energy Update – Matt Gibbs**
- 9. Open Discussion - Attendees**
- 10. Closing Remarks - COL Graese**



Qualified Recycling Program (QRP) Update

Ernest Dicks

Recycling Center Manager



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Recycling Program Activities



- 2nd Qtr
 - Worked with the Solomon Center to assist 3/34th and 3/13th to recover recyclable materials.
 - 1200 lbs cardboard and 400 lbs plastic soda bottles.
- 3rd Qtr
 - Earth Day - 19 April 2014 at Youth Sports Complex
 - W.S. Sanders Middle School Tour - 29 April 2014
 - Purchasing trailer to move cardboard dumpsters (new + full if truck is in shop)



Recycling at Events



- Two recycling trailers are available for events
 - Please coordinate with Recycling Center prior to event





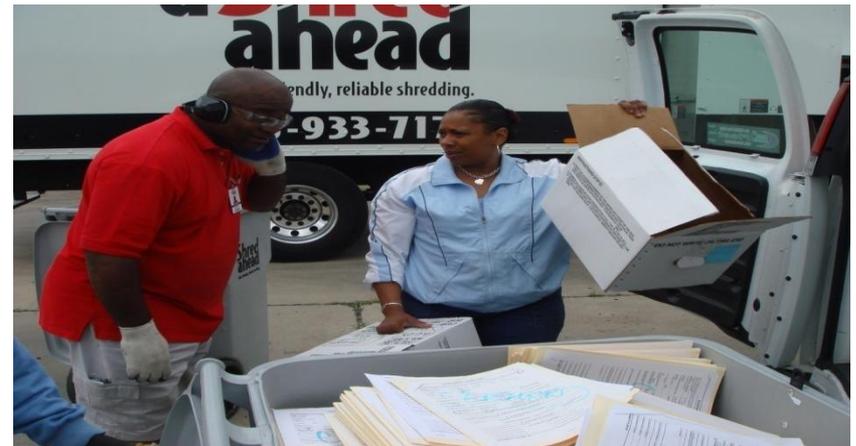
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Shred Day



**Held 4 times a year, usually
at the Recycling Center,
from 0900 to 1500**

**13 Nov 13 – 8200 lbs
19 Feb 14 - 28,000 lbs**



NEXT SHRED DAY: 21 MAY 2014



Unit Incentive Awards



- \$10,000/quarter split among participants based on pounds turned in
- Trophies for 1st and 2nd quarter winner's

Large Units	1st Qtr	2nd Qtr
120TH AG BN	\$1125	\$970
369TH AG BN	\$140	\$175
187TH OD BN	\$410	\$540
SSI/TSB	\$720	\$500
Moncrief	\$1,425	\$985
	\$3,820	\$3,170



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Unit Incentive Awards



BCT Units

	1st Qtr	2nd Qtr
HHC 193RD INF BDE	\$55	\$75
1/13TH	\$650	\$550
2/13TH	\$390	\$590
3/13TH	\$585	\$530
2/60TH	\$300	\$290
3/60TH	\$155	\$385
	\$2,135	\$2,420

HHC 165TH BDE	\$145	\$155
1/34TH	\$65	\$130
3/34TH	\$645	\$750
2/39TH	\$425	\$570
1/61ST	\$825	\$520
	\$2,105	\$2,125



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Unit Incentive Awards



All Other Units	1st Qtr	2nd Qtr
HHC 171st BDE	\$145	\$75
4/10TH INF BN	\$ 410	\$475
ATC	\$40	\$0
DSS	\$75	\$45
SJA	\$0	\$ 0
TSSD	\$100	\$0
175TH OD BDE	\$0	\$75
81ST REC	\$90	\$35
USACHCS	\$170	\$245
NAVY RESERVE	\$90	\$145
WTU	\$ 85	\$120



Unit Incentive Awards



MEPS	\$	\$
Columbia Recruiting Command	\$ 25	\$55
HHC USAG	\$310	\$ 320
VET SVS	\$10	\$15
NIACT	\$80	\$50
BARCOM	\$25	\$65
37TH CID	\$0	\$0
USARC	\$0	\$0
208TH	\$20	\$50
McCrary	\$30	\$ 25
	\$ 1,705	\$1,795



For Questions or Additional Information:

Ernest Dicks

Recycling Center Manager

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In tribute to
Eric M. Anderson
May 21, 1967 – July 26, 2013



A veteran, an environmentalist, a co-worker, and a friend

In honor of his dedication to duty, professionalism, and enthusiasm within the workplace and throughout the installation, the Environmental Division presents this plaque in his memory. Concurrently, the “Environmental Stewardship Award”, which recognizes exemplary efforts of organizations on the installation, has been renamed the

“Anderson Environmental Stewardship Award”

May we never forget Eric’s dedication of 22 years to his country as a U.S. Army Soldier and his tireless work ethic as an Environmental Compliance Inspector for Fort Jackson. His unquestionable character, loyalty, and generosity will forever be a beacon to those he touched.



Anderson Environmental Stewardship Awards



1SG Charles Landrum – 369th AG Battalion, SSI

SFC David Qutaishat – 120th AG Battalion

SSG Steven Bennett – 120th AG Battalion

SFC Clark – 193rd Brigade

Ms. Yvonne Morris – 369th AG Battalion, SSI

369th Adjutant General Battalion



Sustainability Management System (SMS) Update

Tameria M. Warren
SMS/P2/GP Coordinator



SMS Update



- “Fort Jackson will execute the mission while promoting continual improvement through established objectives and targets, committing to compliance with legal and other requirements that relate to environmental aspects, working towards the prevention of pollution, managing sustainable programs that can control environmental aspects, and sustaining natural and cultural resources that are identified on the installation.”
- **Policy Acronym: “PALMS”**
 - *P*romote continual improvement
 - *A*lways be in compliance
 - *L*ook to prevent pollution
 - *M*anage sustainable programs
 - *S*ustain natural and cultural resources





SMS Aspects, Objectives, & Targets



- Annual review and selection of **significant aspects** (issues, concerns, activities) that may have an adverse impact on the environment



**Product
Mismanagement**



Open Dumping



**Parts Washers
Management**



Sediment Erosion



SMS Aspects, Objectives, & Targets



- **Review conducted by Cross Functional Team (CFT) in March 2014**
 - Participants included ENV, DPW, DLA-DSJ, USC
- **Objectives** are plans for addressing the aspects; **targets** are specific actions and deadlines
- Objectives and targets (O&Ts) can be existing goals within ENV management programs *OR* new initiatives



SMS Aspects, Objectives, & Targets



- Environmental Aspects Summary:
 - Fuel/POL releases
 - Sediment/soil erosion
 - ODS/ACM/Generator management
 - Hazardous/universal waste and hazardous material management
 - Weapons cleaning/parts washers
 - Open dumping
 - Management of food waste/recyclables
 - Excessive energy/water usage
 - Construction site management (environmental concerns)
- CFT will determine which aspects are significant
- CFT will identify objectives & targets (new or existing initiatives) for selected aspects



FJ/USC Sustainability Courses- Update



- **Sustainability Management and Leadership courses** educate students about FJ/military/global sustainability initiatives and leadership strategies
 - Online and classroom sessions
 - Internship program- DPW Energy Conservation Program
- Currently into 14th week; have received favorable reviews from USC leadership and students
- Extended into 2014-2015 school year (online)
- **Future goals:**
 - Recruit more FJ military/civilian personnel
 - Designate as core/required USC course (vs. elective)
 - Expand audience (SC/Region 4 installations)



Field trip to Honeywell Bldg



For Questions or Additional Information:

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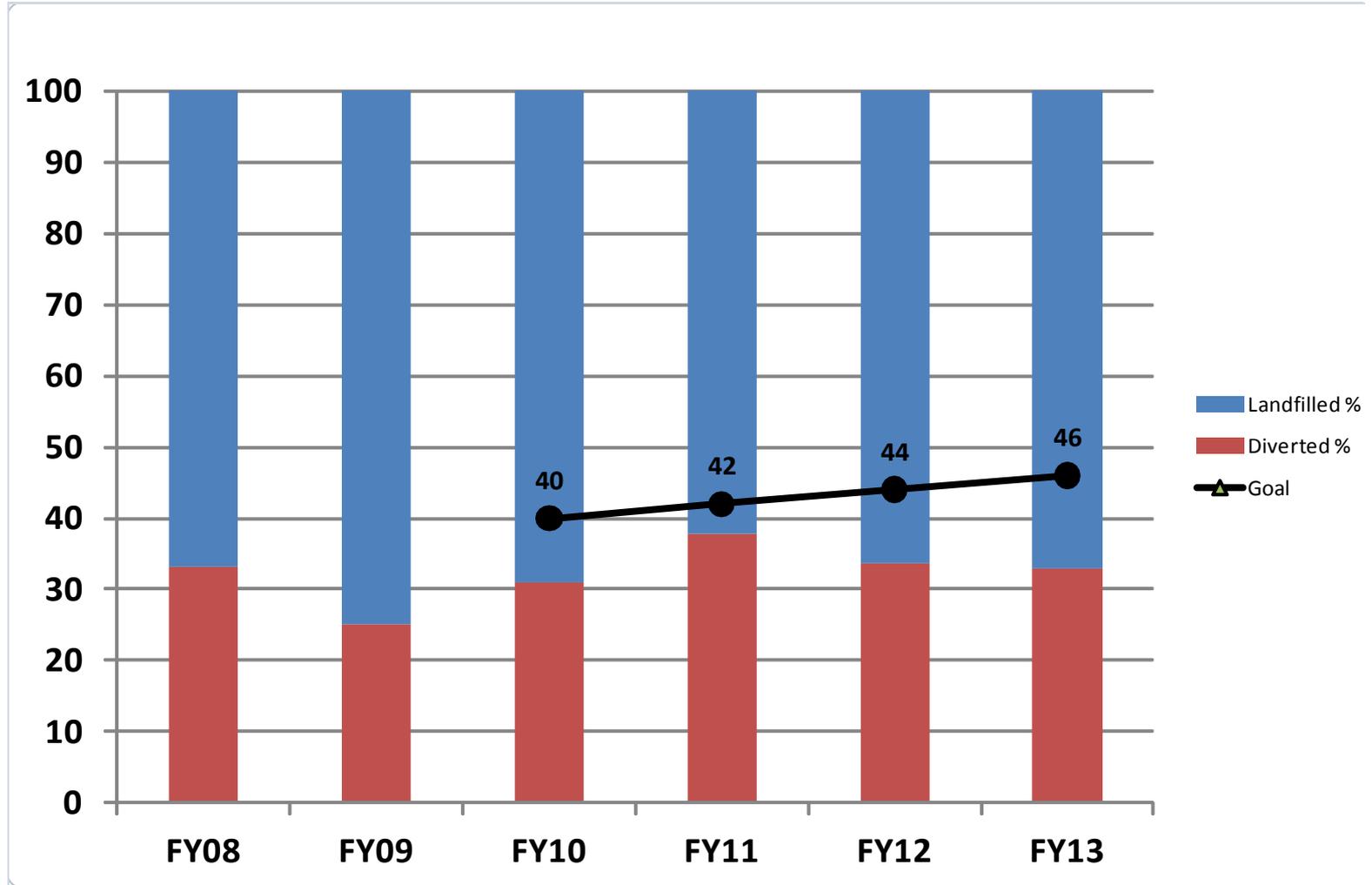
Solid Waste Program

Stephanie Gillian, Solid Waste Program Manager





Municipal Solid Waste % Diversion





Diversion Projects



- Concrete Crushing
- Telephone Poles
- Barriers
- Abandoned Scrap Metal at Ranges





Diversion Opportunities



- Food Waste
- Textiles





Open Dumping



- Open Dumping is prohibited by the SC Solid Waste Policy and Management Act of 1991 and SC Regulation 61-107.19
- Approximately 60 sites on Fort Jackson
 - Recurring problem
 - 90% located in Cantonment area





Recycling Audit Program



- Offers basic recycling training (on-site) and recycling containers to any organization.
 - 50 organizations since February 2013
- 1000 Recycling containers ordered
 - 700 containers distributed





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Dumpsters



- Recycle Board approved funding for the purchase of new dumpsters and recycling containers
 - 100 dumpsters ordered (\$130,000)
 - 90 dumpsters replaced
 - 20-25 more dumpsters to be ordered





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Mulch Site



- Golden Arrow Road
- Tues-Thurs 0730-1130 and 1245-1500
- Roll-Off Bin
 - Bulky items
- Yard Waste Collection
 - Leaves
 - Tree limbs
 - Grass clippings
 - Pinestraw
 - Wooden pallets (not painted) that are broken or non-standard size
- Borrow-Pit
 - Clay, sand, soil
 - Rocks & gravel
- All other waste is **PROHIBITED**.





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Mulch Site



- **BMPs**
 - Loads are inspected
 - Only waste generated on the installation is allowed
 - Trash must be placed in the appropriate roll off container or designated area.
 - Yard waste must be removed from plastic bags
- **POCs**
 - 751-5163 DPW Roads & Grounds
 - 751-1924 DPW Roads & Grounds
 - 751-9507 DPW Environmental





Solid Waste Program Management

Stephanie Gillian

Solid Waste Program Manager

751-9507



Outreach Update

Lisa McKnight
ENV Training/Outreach



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Green Initiative (GI) Day



Activities:

- Lake Cleanup
- Educational Booths
 - Become a bee keeper
 - Start a container garden
 - Make your own paper
- Build your own boat
- Water conservation relay
- Recycling obstacle course
- Recycle Regatta





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Green Initiative (GI) Day



- Over 800 attendees
- Regatta Winners:
 - Navy (Ginger-Pooh)
 - Navy (Ramrod)
 - HHC 165th (Strike Strong)





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Green Initiative (GI) Day





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Green Initiative (GI) Day





For Questions or Additional Information:

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Cultural Resources Violations

Doug Morrow
Chief, Wildlife Branch



Archaeological Resource Protection Act (ARPA) Potential Violations



- Two recent incidents will be investigated.
- Violations can lead to civil penalties, and worst case criminal penalties.
- Identify “no-go” and “slow-go” restricted sites within your training areas.





Archaeological Sites





Do Not Remove Artifacts





For Questions or Additional Information:

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Environmental Take-Aways



- Recycling – ensure recycling containers are visible at events, can borrow from Recycling Center
- SMS – submit work order and Record of Environmental Consideration (REC) prior to doing self-help work to ensure proper review and avoid violations
- Solid Waste – put waste in appropriate receptacles, strive to achieve diversion goals
- Cultural Resources
 - No digging or soil disturbance allowed within 50 Meters of signs.
 - If artifacts are discovered, leave them in place, stop digging, mark the area, and contact Range Operations.
 - Artifacts are Federal Property and can not be disturbed or removed.



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 MBTU/KSF.
- FY12 energy consumption was 87.3 MBTU/KSF or a 12.3% below baseline.
- FY13 energy consumption was 100.8 MBTU/KSF or a 1.0% above baseline.



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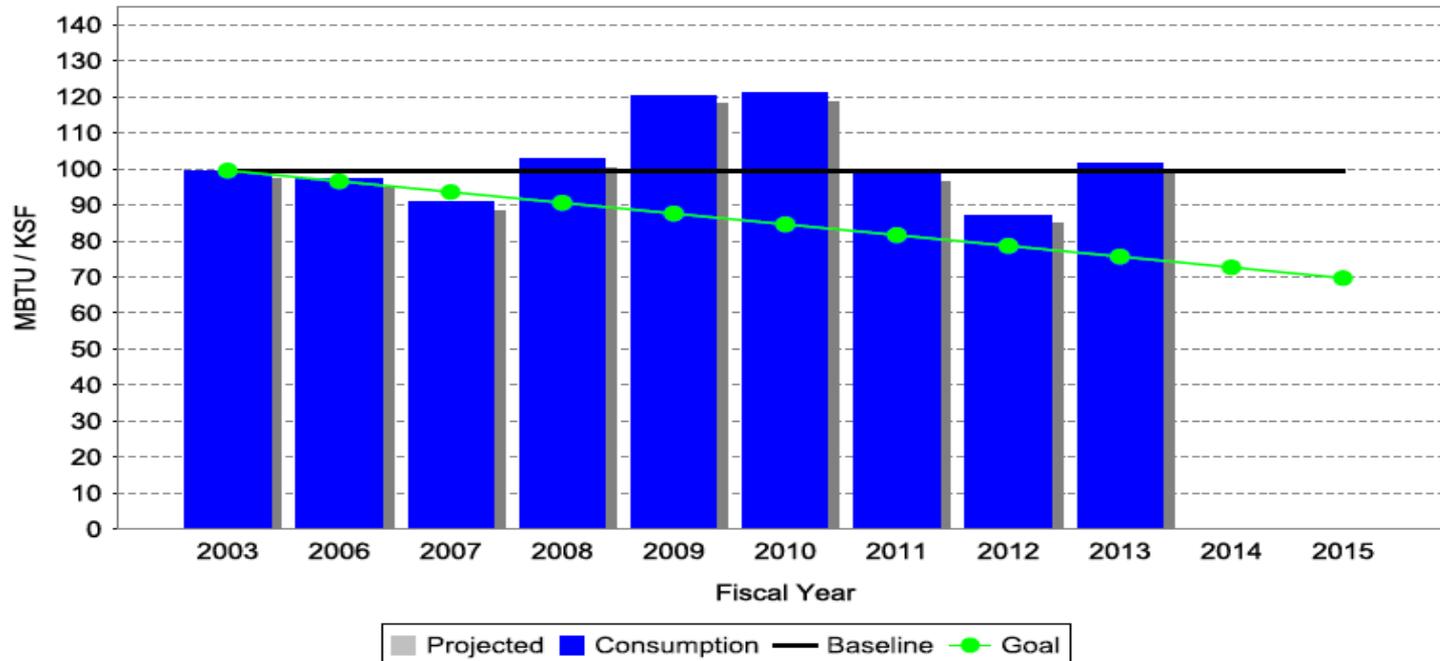
2003-2013 Energy Intensity



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.



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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.



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BEM Assignments



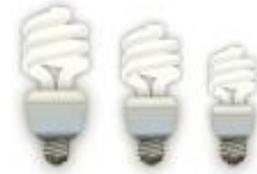
- Briefed plan to assign BEM duties to Environmental Compliance Officers (ECOs) at the EQCC meeting on 17 Oct 13.
- We have included a BEM course of instruction in the ECO courses.
- Selection of BEMs and ECOs is up to the unit. They can be the same person, but don't have to be.
- OPORD came out to nominate BEMs. Suspense was 15 Apr 14. No appointment letters received from the Brigades. Sending out FRAGO with new suspense.



Energy Awareness (Lighting)



- **Replace** standard incandescent light bulbs with compact fluorescent light bulbs (CFLs) and save 75% off lighting costs.



- **Turn off** unnecessary lighting and use task or desktop lamps with CFLs instead of overhead lights.
- **Occupancy sensors** detect movement and turn lights on. When there is no movement, occupancy sensors turn the lights off.
- **Mark all switches** so that occupants will remember to turn off the lights.





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Open Discussion



Closing Remarks





Next E&E Meeting

17 July 2014

1430

