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ISO 14001 Reference: 4.3.3	Revision No.: 1

SEMS Objective: #1 – Endangered Species Recovery	
Champion Organization(s)	<ul style="list-style-type: none"> DPW ENRMD Natural Resources
Significant Environmental Aspect(s)	<ul style="list-style-type: none"> Ecological resource degradation or conservation.
Environmental/ Organizational Impacts and Objective Description	<p>Increases in Fort Gordon’s mission and subsequent development as well as the installation’s support of training activities including maneuver and live-fire training activities on its training ranges impact the ecological resources present on the installation. Fort Gordon supports the Army’s goal to ensure that actions are not likely to jeopardize the continuing existence of threatened or endangered species, or result in adverse modification of the critical habitat of such species.</p> <p>The red-cockaded woodpecker (RCW) is an endangered species listed in the Federal Register and present on Fort Gordon. Its recovery as a species is supported by Fort Gordon’s implementation of management strategies that preserve and restore the longleaf pine ecosystem that supports the RCW and promote the long-term ecological sustainability of Fort Gordon’s lands for military training and multiple-use opportunities.</p>
Operational Controls	<ul style="list-style-type: none"> Fort Gordon, GA Integrated Natural Resources Management Plan (INRMP) USASC&FG Regulation No. 420-7 Facilities Engineering, Endangered Species Regulations, 15 December 1998
Monitoring and Measuring	<ul style="list-style-type: none"> To be added.
Legal and Other Requirements	<ul style="list-style-type: none"> Endangered Species Act (16 USC 35) AR 200-1 USASC&FG Reg 200-2, Environmental and Natural Resources Management. USASC&FG Reg 210-21, Range Regulation
Training Requirements	<ul style="list-style-type: none"> To be added as applicable.
Resource Requirements	<ul style="list-style-type: none"> To be added as applicable.

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FY16 Target Progress Report				
Objective #1: Endangered Species Recovery	Performance Indicator	Freq	Target/Baseline ----- Date	Results Status ----- Comments
Target 1-1: Restore the biological integrity on 25,814 acres of longleaf wiregrass ecosystem by 2059. 2008-2059=51 years @ ~506 ac\yr 2008-2014=6 years with 9,820 ac\complete	# of acres restored and maintained	Annual	FY 13: 25,036/6,747	27%
			FY14: 25,814/9,820	38%
Action 1: Annually prescribed burn 8,550 acres of the RCW HMU to comply with USFWS BO 3 year burn rotation.	% Complete FY 14	Qtr	8,550/2,565	30%
Action 2: Midstory control\ground cover restoration 400 acres in the RCW HMU annually.	% Complete FY 14	Annual	Planted 25 acres wiregrass Mechanical midstory removal 203 Herbicide midstory 500 acres 728/400	182%
Action 3: Re-establish 400 acres of longleaf pine in the RCW HMU annually.	% Complete FY 14	Annual	Planted 630 acres winter FY14 625/400	150%
Target 1-2: Increase RCW habitat by 200 acres per year, maintain 5-10% population growth to 30 active clusters by 2020.	# Active Clusters	Annual	1 active cluster in 1999 21 Active clusters in 2014 Average growth of 5% active clusters per year	88%
Action 1: Timber Management - conduct timber harvest and habitat improvement in Training Areas 31, 14, 12 and 15 during FY 2014.	% Complete	Qtr	TA 31, 14 and 12 timber marked TA 12 sold 20 Nov 14.	75%
Action 2: Translocation of RCW- Augment small population by translocating RCW every other year if suitable habitat is available, until population is at 30 Potential Breeding Groups (PBG).	% Complete	Annual	Number of translocated RCW required per BO. FY14 population 16 PBG. Completed FY14 8 birds released on 8 Nov 2013.	53%

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Document Change History			
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0	2/19/15	Original SEMS MAP Worksheet Developed.	SEMSC
1	9/16/15	SEMS MAP Worksheet updated with status and FY16 objectives and targets as voted on and approved by the EQCC on 2 September 2015.	SEMSC

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SEMS Objective: #2 – Environmental Compliance	
Champion Organization(s)	<ul style="list-style-type: none"> • DPW ENRMD Compliance Branch • Logistics Readiness Center (LRC) • DFMWR
Significant Environmental Aspect(s)	<ul style="list-style-type: none"> • Discharges (point and non-point) to ground or surface waters. • Hazardous waste generation. • Solid waste generation.
Environmental/ Organizational Impacts and Objective Description	<p>Potential impacts from targeting the significant aspects include:</p> <ul style="list-style-type: none"> • Improvement of water quality by reducing contaminants in storm water discharge. • Conservation of natural resources. • Protection of land, water, and air resources from contamination. • Protection of human health <p>Storm water discharges from construction activities can negatively impact water quality. Green Infrastructure/ Low Impact Development (GI/LID) structures help to protect natural resources from continuing degradation. GI/LID actively manages stormwater runoff by mimicking a site’s pre-development hydrology using techniques that infiltrate, store, and evaporate runoff close to its source of origin. GI/LID structures are required in accordance with the Energy Independence and Security Act (EISA), Executive Order 13693, and the Fort Gordon Water Quality Post-Construction Permitting Requirements. The Fort Gordon Stormwater Operation and Maintenance (O&M) Manual approved by the GA-EPD in October of 2013 contains a full inventory of storm water control features including bioswales, pervious pavement, cisterns, green roofs, dry basins, and bioretention basins. By implementing GI/LID principles and practices, stormwater can be managed in a way that reduces the impact of built areas and promotes the natural movement of water within the watershed.</p> <p>Hazardous and non-hazardous solid wastes generated by activities at Fort Gordon are regulated under Federal and State laws with the primary objectives to protect human health and the environment and conserve valuable material and energy resources. EO 13693 requires Federal agencies promote pollution prevention and eliminate waste by reducing and minimizing the quantity of toxic and hazardous chemicals and materials acquired, used, or disposed of, and by minimizing the generation of non-hazardous solid waste through source reduction and waste diversion, including goals to divert at least 50% of solid waste from disposal. AR 420-1 also requires installations to effectively manage hazardous waste and reduce its generation through pollution prevention actions, including source reduction, material substitution, and recycling/reuse, and to minimize solid waste generation and disposal, and then maximize recovery, recycling, and reuse through pollution prevention actions.</p>

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SEMS Objective: #2 – Environmental Compliance	
Operational Controls	<ul style="list-style-type: none"> • Fort Gordon Storm Water Pollution Prevention Plan, September 1, 2013. • Fort Gordon Storm Water Management Plan, December 12, 2014. • Garrison Commander’s Policy Memorandum No. 71 – Material Storage Compliance with Industrial Stormwater Permit, November 12, 2013. • Garrison Commander’s Policy Memorandum No. 89 – Recycling, September 23, 2014. • Fort Gordon Hazardous Waste Management Plan, March 2015 (Draft). • Fort Gordon Integrated Solid Waste Management Plan, January 2008. • Air Permit Compliance SOPs.
Monitoring and Measuring	<ul style="list-style-type: none"> • Solid Waste Disposal and Diversion (SWARWeb Reporting) • ICAP
Legal and Other Requirements	<ul style="list-style-type: none"> • Executive Order 13693 - Planning for Federal Sustainability in the Next Decade, 25 March 2015. • Energy Independence and Security Act (EISA) Section 438, December 2007. • 10 U.S.C. 2577, Disposal of Recyclable Materials. • 40 CFR, Chapter I, Subchapter I – Solid Wastes • Army Directive 2014-12, Net Zero Installations Policy, 28 January 2014. • AR 200-1, Environmental Protection and Enhancement, 13 December 2007. • AR 420-1, Army Facilities Management, 28 February 2008, Rapid Action Revision 2 dated 24 August 2012. • Army Integrated (Non-Hazardous) Solid Waste Management Policy • Fort Gordon General NPDES Permit No. GAG480000 for Small Municipal Separate Storm Sewer Systems (MS4) at Military Facilities
Training Requirements	<ul style="list-style-type: none"> • GASWCC Level IB Certified Inspector • GASWCC Level II Certified Plan Designer/Reviewer
Resource Requirements	<ul style="list-style-type: none"> • To be added as applicable.

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FY16 Target Progress Report				
Objective #4: Environmental Compliance	Performance Indicator	Freq	Target/Baseline ----- Date	Results Status ----- Comments
Target 2-1: Incorporate GI/LID measures on project sites to manage the increase in runoff between pre- and post-development conditions to the maximum extent technically feasible.	% of projects	Annual	100% of projects deemed technically feasible/Yearly ----- Ongoing	GI/LID structures in place: <ul style="list-style-type: none"> • SWSC-06 Bioretention (west of Bldg. 29601) • SWSC-22-28417 Bioretention (north of Bldg. 28417) GI/LID structures in progress: <ul style="list-style-type: none"> • New PX • AIT Phase II • ARCYBER
Action 1: All projects are reviewed for GI/LID practices to help improve water quality, velocity, and flow in the storm water system.	% of plans reviewed for stormwater compliance including LID	Annual	100%/Yearly ----- Ongoing	100% of projects reviewed for GI/LID -----
Action 2: Complete annual inspections on GI/LID structures.	Percent of GI/LID structures inspected	Annual	100%/Yearly	100% of annual inspections completed for all GI/LID structures. ----- Maintenance issues?
Target 2-2: Annually reduce the amount of hazardous waste generated.	% Reduction in tons/year	Annual	Tons disposed ----- 2017	44% decrease through CY 2014 ----- Avg. of %5 increase in CY 2013-2014
Action 1: Implement EESOH-MIS to reduce hazardous material procurement.			Ongoing	
Action 2: Maintain free re-issue program at the HMCP.			Ongoing	

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FY16 Target Progress Report				
Objective #4: Environmental Compliance	Performance Indicator	Freq	Target/Baseline ----- Date	Results Status ----- Comments
Target 2-3: Achieve an annual 50% diversion rate for non-hazardous solid waste and C&D debris. Metrics Goals: <ul style="list-style-type: none"> ➤ Divert 50% C&D Waste ➤ Divert 50% MSW 	Diversion Rate (%)	Annual	50% C&D 50% MSW ----- 30 SEP 15	FY15 (through 3rd Qtr): Total Diversion Rate: 70.1% <ul style="list-style-type: none"> ➤ C&D Diversion: 96.0%* ➤ MSW Diversion: 30.2%
Action 1: Increase capture of diversion data.	Increase in Diversion Rate (%)	Qtrly	% increase	<ul style="list-style-type: none"> • Increased capture of diversion data from Corps projects, AAFES PX, and Commissary recycling. • Supported by recent amendment to Garrison Commander's Policy Memo #89 - Recycling.

*Note: C&D diversion rate artificially high due to incomplete C&D disposal data.

Diversion Rate (%) = (Tons Waste Disposed + Tons Waste Diverted)/Tons Waste Diverted

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0	2/9/15	Original SEMS MAP Worksheet Developed.	SEMSC
1	7/2/15	Reviewed and status updated for 3 rd Quarter FY 2015 EQCC.	SEMSC
2	9/16/15	SEMS MAP Worksheet updated with status and FY16 objectives and targets as voted on and approved by the EQCC on 2 September 2015. Updated Executive Orders in the legal and other requirements section.	SEMSC

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SEMS Objective: #3 – Sustainable Training Lands	
Champion Organization(s)	<ul style="list-style-type: none"> • DPTMS – Range Control
Significant Environmental Aspect(s)	<ul style="list-style-type: none"> • Ecological resource degradation or conservation • Natural resource degradation or conservation
Environmental/ Organizational Impacts and Objective Description	<p>The Integrated Training Area Management (ITAM) program is a core program of the Sustainable Range Program and is responsible for maintaining the land to help the Army to meet its training requirements. This requires understanding and balancing Army Training requirements and land management practices. The ITAM Program is responsible for preventing damage to the training environment (such as soil erosion and introduction of invasive alien species), thereby sustaining the capacity of the land to support training activities into perpetuity.</p> <p>The ITAM Program relies on its four components to accomplish its mission. The four components are Training Requirements Integration (TRI); Range and Training Land Assessment (RTLTA); Land Rehabilitation and Maintenance (LRAM); and Sustainable Range Awareness (SRA). These components combine to provide the means to understand how the Army's training requirements impact land management practices, what the impact of training is on the land, how to mitigate and repair the impact, and communicate the ITAM message to soldiers and the public.</p> <p>ITAM establishes a framework for decision-making and management of Army training lands. It integrates elements of operational, environmental, master planning, and other programs that identify and assess land use alternatives. The ITAM Program also supports natural and cultural resources management and stewardship of land assets, while sustaining those assets to support training, testing, and other installation missions.</p>
Operational Controls	<ul style="list-style-type: none"> • Fort Gordon Integrated Natural Resources Management Plan (INRMP)
Monitoring and Measuring	<ul style="list-style-type: none"> • Operational Range Inventory • Installation Status Report
Legal and Other Requirements	<ul style="list-style-type: none"> • AR 350-19, The Army Sustainable Range Program, 30 August 2005 • AR 200-1, Environmental Protection and Enhancement, 13 December 2007
Training Requirements	<ul style="list-style-type: none"> • To be added as applicable.
Resource Requirements	<ul style="list-style-type: none"> • To be added as applicable.

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FY16 Target Progress Report				
Objective #3: Sustainable Training Lands	Performance Indicator	Freq	Target/Baseline ----- Date	Results Status ----- Comments
Target 3-1: Minimize degradation of training lands and long-term damage to soils, vegetation.	Reduction per year	Annual	Establish baseline as 1st QTR 2011	% Reduction
Action 1: Utilize State Approved Best Management Practices for all LRAM projects sites.	% LRAM Sites with implemented BMPs	Qtr	1st QTR 2011	Continue LRAM BMPs
Target 3-2: Increase the training acres through mitigation of impaired areas by 100 acres per year through 2020.	# Acres Mitigated Per year	Annual	Increase 100 acres per year through 2015	<p>FY 13 – TA 21, 26, 36, 37A & 42 (373 acres)</p> <p>FY 14 - TA 23, 30, 29, 24, 46 (519 Acres Herbicide) - TA 23-26, 28-30, 32, 34-35, 37A&B, 38, 40-42, 45 (142 Acres Mechanical)</p>

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SEMS Objective: #4 – Improve Energy Efficiency and Reduce CO₂ Emissions	
Champion Organization(s)	DPW Operations and Maintenance Division (OMD)
Significant Environmental Aspect(s)	<ul style="list-style-type: none"> • Energy consumption or conservation. • Air emissions.
Environmental/ Organizational Impacts and Objective Description	<p>Potential impacts from targeting the significant aspects include:</p> <ul style="list-style-type: none"> • Conservation of non-renewable natural resources by reducing energy use. • Improvement of air quality by reducing air contaminant emissions from burning fossil fuels. • Reduction of carbon dioxide (CO₂) emissions that contribute to global warming. • Ensuring the continued availability of resources critical to Fort Gordon’s mission. • Ensuring Army readiness is maintained in the face of climate change. <p>Implementation of this objective will improve Fort Gordon’s energy efficiency and reduce greenhouse gas emissions (GHG) through energy conservation to support Federal, DoD, and Army policies and goals.</p> <p>The Energy Policy Act of 2005 (Public Law 109-58) (EPAct 2005), the Energy Independence and Security Act of 2007 (EISA 2007), Executive Order (EO) 13423 <i>Strengthening Federal Environmental, Energy and Transportation Management</i>, and EO 13514 <i>Federal Leadership in Environmental, Energy, and Economic Performance</i>, establish policies and goals that direct Federal agencies to reduce energy costs, energy use, and GHG emissions, including Federal energy goals to reduce energy intensity by 3% annually or 30% by 2015 from a 2003 baseline and to establish GHG emission reduction targets to be met by 2020.</p> <p>DoD Directive 4180.01, DoD Energy Policy, established DoD policy to enhance military capability, improve energy security, and mitigate costs in its use and management of energy. The DoD Strategic Sustainability Performance Plan (SSPP) established several goals, including a goal to reduce the energy intensity of facilities (the total energy in Btu consumed by DoD facilities per gross square foot of total DoD building space) by 30% from FY 2003 levels by FY 2015 and 37.5% by FY 2020 and reduce GHG emissions from Scope 1 and 2 sources (emissions from sources owned or controlled by DoD, such as fuel combusted in a furnace, and emissions from the generation of electricity, heat, steam or chilled water purchased by DoD) by 34% by FY 2020 from FY 2008 levels.</p> <p>Army Regulation (AR) 420-1, Army Facilities Management, Chapter 22–12. Energy conservation and management guidelines for facilities and buildings, states buildings will be heated no higher than 68F during the winter season and cooled no lower than 78F during the summer season.</p>

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SEMS Objective: #4 – Improve Energy Efficiency and Reduce CO₂ Emissions	
Operational Controls	<ul style="list-style-type: none"> Fort Gordon Energy Strategy: Signed by Fort Gordon Senior Mission Commander
Monitoring and Measuring	<ul style="list-style-type: none"> Utility Monitoring and Control System (UMCS)
Legal and Other Requirements	<ul style="list-style-type: none"> Energy Policy Act of 2005 (EPA 2005) Energy Independence and Security Act of 2007 (EISA 2007) Executive Order 13423 - <i>Strengthening Federal Environmental, Energy, and Transportation Management</i>, 26 January 2007 Executive Order 13514 - <i>Federal Leadership in Environmental, Energy, and Economic Performance</i>, 8 October 2009 Memorandum, ASA(IE&E), 16 December 2013, subject: Sustainable Design and Development Policy Update DoD Directive (DoDD) 4180.01, DoD Energy Policy, April 16, 2014 Army Regulation (AR) 420-1, Army Facilities Management, Chapter 22–12. Energy conservation and management guidelines for facilities and buildings.
Training Requirements	<ul style="list-style-type: none"> Educate and train personnel in valuing energy as a mission essential resource (DoDD 4190.01, DoD Energy Policy).
Resource Requirements	<ul style="list-style-type: none"> To be added as required.

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FY16 Target Progress Report				
Objective #4: Improve Energy Efficiency and Reduce CO₂ Emissions through Energy Conservation	Performance Indicator	Freq	Target/Baseline ----- Date	Results Status ----- Comments
Target 4-1: Improve energy efficiency and reduce greenhouse gas emissions by reducing building energy intensity by 2.5% annually through FY25 relative to the FY15 baseline.	% Reduced	Annual	2.5% Annual Reduction compared to 2015 baseline	80 MBTU/ KSF 30% Energy Reduction (2015)
Action 1: Eliminate Energy Waste in Existing Facilities. DPW will Heat/Cool facilities only when the facility is occupied.	% Controlled	Qtr	Number of buildings controlled by UMCS	260/260 or 100%
Action 2: Meter Facilities. Meter Facilities with 29,000 Square Feet or facilities with over \$35,000 in annual utility cost.	% Metered	Qtr	Number of buildings metered	97/113 or 86%
Action 3: Increase Energy Security. Provide redundant systems to critical facilities, and increase use Renewable Energy.	% Substation Capacity increased	Qtr	80MVA-Main 25MVA-Hospital	80MVA-Main 25MVA-Hospital 100%

QUTM Efforts: Metrics to Success	Performance Indicator	Freq	Target/Baseline ----- Date	Results Status ----- Comments
Repair Central Energy Plant manual controls with automated controls: DPW Project which will automate the operation of the central Energy Plant by optimizing the chillers, cooling tower, boilers, heat frame exchange, cold storage tower, pumps, motors, and ran by the base wide UMCS.	% Complete	Annual	Central Energy Plant controlled by UMCS	-25910 under construction \$3.6M -310 in queue for funding FY15 \$1.3M
Vision Project: Heat/Cool Facilities only when occupied. Occupant Sensor will turn on lights and HVAC system only when the room is occupied.	% Complete	Annual	Number of Buildings with Vision Project Implemented	-4 facilities under construction \$1.2 -10 in queue for funding FY15 \$3.5M
Renewable Project:				
30 Megawatt Solar Project: Fort Gordon is partnering with the Office of Energy Initiatives and Georgia Power to Build a 30 MW Solar Project (\$63M) on the garrison. The majority of the energy produce will be consumed by the garrison at current tariff rate.	% Complete	Annual	O/A 1 st Quarter FY16	Construction begins on/about 01 MAY 2015 \$63M

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SEMS Objective: #5 – Increase Fuel Efficiency and the Use of Renewable Fuels	
Champion Organization(s)	<ul style="list-style-type: none"> • DPW Operations and Maintenance Division (OMD) • Logistics Readiness Center (LRC)
Significant Environmental Aspect(s)	<ul style="list-style-type: none"> • Energy consumption or conservation. • Air emissions.
Environmental/ Organizational Impacts and Objective Description	<p>Potential impacts from targeting the significant aspects include:</p> <ul style="list-style-type: none"> • Conservation of non-renewable natural resources by increasing fuel efficiency and the use of renewable fuels. • Improvement of air quality by reducing air contaminant emissions from vehicle emissions and burning fossil fuels. • Reduction of greenhouse gas (GHG) through reduction in energy use and use of renewable fuels. • Ensuring the continued availability of resources critical to Fort Gordon’s mission. • Ensuring readiness is maintained in the face of climate change. <p>Implementation of this objective will increase Fort Gordon’s fuel efficiency and use of renewable fuels and reduce GHG emissions to support Federal, DoD, and Army policies and goals.</p> <p>The Energy Policy Act of 2005 (Public Law 109-58) (EPAAct 2005), the Energy Independence and Security Act of 2007 (EISA 2007), Executive Order (EO) 13693 - <i>Planning for Federal Sustainability in the Next Decade</i>, dated 25 March 2015, sets energy management and efficiency requirements for Federal agencies, including increasing the use of renewable energy, reducing vehicle fleet petroleum consumption, and increasing the use of alternative fuels. Reducing petroleum consumption is the principal means to reduce GHG emissions.</p> <p>EPAAct 2005 requires renewable electricity consumption by the Federal government to be not less than 7.5% annually, and EISA 2007 requires an increase in the use of renewable energy and implementation of renewable energy generation projects.</p> <p>EO 13693 sets goals for the renewable electric energy as a percent of total building electric energy use of:</p> <ul style="list-style-type: none"> ▪ 10% in FY 2016 and 2017 ▪ 15% in FY 2018 and 2019 ▪ 20% in FY 2020 and 2021 ▪ 25% in FY 2022 and 2023 ▪ 30% by FY 2025 and each year thereafter. <p>EO 13693 also sets goals for improving agency fleet and vehicle efficiency and management:</p> <ul style="list-style-type: none"> ○ Eliminate unnecessary or non-essential vehicles from the fleet inventory.

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SEMS Objective: #5 – Increase Fuel Efficiency and the Use of Renewable Fuels	
	<ul style="list-style-type: none"> ○ Reduce fleet-wide per-mile GHG emissions relative to a FY 2014 baseline <ul style="list-style-type: none"> ▪ 4% by end of FY 2017 ▪ 15% by end of FY 2021 ▪ 30% by end of FY 2025 ○ Implement vehicle telematics for all new passenger and light duty vehicle and medium duty vehicles where appropriate by March 2017 ○ Capture fleet data using formal Fleet Management System submit data to the Federal Automotive Statistical Tool reporting database, the Federal Motor Vehicle Registration System, and the Fleet Sustainability Dashboard (FleetDASH) system ○ Sets goal of 20% of all new agency passenger vehicle are zero emission vehicles or plug-in hybrid by December 31, 2020 and 50% by December 31, 2025. ○ Plan for infrastructure for zero emission vehicles or plug-in hybrid vehicles and opportunities for ancillary services to support vehicle-to-grid technology. <p>EISA 2007 set goals to reduce Federal vehicle petroleum consumption by 20% and increase the use of alternative fuels by 10% by FY 2015 from a FY 2005 baseline. EO 13514 and EO 13423 require a reduction in the use of fossil fuels by using low GHG-emitting vehicles, optimizing the number of fleet vehicles, and reducing fleet consumption of petroleum products including a 2% annual reduction of fleet petroleum consumption by FY 2015 from a FY 2005 baseline, a 10% annual increase of non-petroleum-based fuel consumption, and the use of plug-in hybrid (PIH) vehicles where commercially available at a reasonably-comparable life-cycle cost.</p> <p>The DoD Strategic Sustainability Performance Plan (SSPP) established several renewable fuel and fuel efficiency goals, including a goal to produce or procure at least 18% of electricity consumed by facilities from renewable sources by FY 2020, including solar, wind, biomass, landfill gas, ocean (including tidal, wave, current, and thermal), geothermal (including electricity and heat pumps), municipal solid waste, and new hydroelectric generation capacity if achieved from increased efficiency or additions of new capacity at existing hydroelectric projects, and to reduce the use of petroleum products by DoD non-tactical motor vehicle fleets 30% by FY 2020 from FY 2005 levels.</p>
Operational Controls	<ul style="list-style-type: none"> • To be added as required.
Monitoring and Measuring	<ul style="list-style-type: none"> • Fuel consumption.
Legal and Other Requirements	<ul style="list-style-type: none"> • Energy Independence and Security Act of 2007 (EISA §142) • Executive Order (EO) 13693 - Planning for Federal Sustainability in the Next Decade, 25 March 2015

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SEMS Objective: #5 – Increase Fuel Efficiency and the Use of Renewable Fuels	
	<ul style="list-style-type: none"> • Memorandum, ASA(IE&E), 24 Aug 2012, subject: Energy Goal Attainment Responsibility Policy for Installations
Training Requirements	<ul style="list-style-type: none"> • To be added as applicable.
Resource Requirements	<ul style="list-style-type: none"> • To be added as applicable.

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FY16 Target Progress Report				
Objective #5: Increase Fuel Efficiency and the Use of Renewable Fuels	Performance Indicator	Freq	Target/Baseline ----- Date	Results Status ----- Comments
Target 5-1: Increase renewable electric energy use and clean energy use 10% in FY16 and FY17.	% Renewable per year		10% increase in FY16	
Action 1: In accordance with the Energy Independence and Security Act of 2007, Fort Gordon is partnering with Georgia Power to accomplish this goal.			Target - 4 th qtr 2016	
Target 5-2: Improve fuel efficiency and fleet management to achieve a 4% reduction in fleet-wide per mile GHG emissions by the end of FY17.	% Reduction per year	Qtr	4% reduction of Fleet GHG emissions by end of FY17	39% Fuel consumption Reduction (27% baseline, current fleet is 66%)
Action 1: Upgrading current vehicles with more efficient models	% Vehicles meeting efficiency standard	Qtr		66%
Action 2: Implement advanced technologies including: 1. Nitrogen in tires, 2. Fuel efficient tires, and 3. Conduct routine maintenance	1. % vehicles using nitrogen in tires. 2. % fuel efficient tires used 3. Number of scheduled maintenance conducted	Qtr		%
Target 5-3: Increase the total fuel consumption that is non-petroleum-based by 10% annually.		Qtr	Base Line 1st QTR FY2011	%
Action 1: Increase the number of fleet vehicles capable of using alternative/ renewable fuels	% fleet vehicles using alternative and renewable energy fuels	Qtr		66% (295 of total 446 vehicles are flex-fuel capable)
Action 2: Increase the availability of alternative/ renewable fuel sources on or within close proximity to the installation	# of alternative and renewable Fueling sources available on or near Fort Gordon	Qtr		Subject to DLA funding availability
Target 5-4: Use plug-in hybrid (PIH) vehicles when PIH vehicles are commercially available.				1 (2013 Chevrolet Volt)

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0	2/9/15	Original SEMS MAP Worksheet Developed.	SEMSC
1	3/4/15	Reviewed and status updated for 2 nd Quarter FY 2015 EQCC.	SEMSC
2	9/16/15	SEMS MAP Worksheet updated with FY16 objectives and targets as voted on and approved by the EQCC on 2 September 2015. Updated Executive Orders in the legal and other requirements section.	SEMSC

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SEMS Objective: #6 – Increase Water Conservation	
Champion Organization(s)	<ul style="list-style-type: none"> • DPW Operations and Maintenance Division (OMD)
Significant Environmental Aspect(s)	<ul style="list-style-type: none"> • Water consumption or conservation. • Energy consumption or conservation. • Air emissions.
Environmental/Organizational Impacts and Objective Description	<p>Potential impacts from targeting the significant aspects include:</p> <ul style="list-style-type: none"> • Conservation of non-renewable natural resources by reducing water consumption and the energy required for water supply, treatment, and distribution. • Ensuring the continued availability of water resources critical to Fort Gordon’s mission including military operations, drinking, hygiene, sanitation, food preparation, and medical care. • Reduction of carbon dioxide (CO₂) emissions that contribute to global warming. • Ensuring Army readiness is maintained in the face of climate change. <p>Implementation of this objective will conserve Fort Gordon’s water resources and reduce greenhouse gas emissions (GHG) through more efficient management of water resources to support Federal, DoD, and Army policies and goals.</p> <p>The Energy Policy Act of 2005 (Public Law 109-58) (EPAAct 2005), the Energy Independence and Security Act of 2007 (EISA 2007), Executive Order (EO) 13693 - <i>Planning for Federal Sustainability in the Next Decade</i>, dated 25 March 2015 establishes policies and goals that direct Federal agencies to increase water efficiency.</p> <p>EPAAct 2005 established building energy efficiency performance standards that require if water is used to achieve energy efficiency, water conservation technologies are included where life-cycle cost effective. EISA 2007 reaffirmed and expanded EPAAct 2005 including requirements for implementing energy and water efficiency measures and verifying energy and water savings.</p> <p>EO 13693 sets goals for Federal agencies to improve water use efficiency and management, including stormwater management:</p> <ul style="list-style-type: none"> ○ Reduce potable water consumption intensity by 36% by FY 2025 through 2% annual reductions relative to the FY 2007 baseline. ○ Install water meters and collect and use building and facility water balance data to improve water conservation and management.

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SEMS Objective: #6 – Increase Water Conservation	
	<ul style="list-style-type: none"> ○ Reduce industrial, landscaping, and agricultural (ILA) water consumption 2% annually through FY 2025 relative to the FY 2010 baseline. ○ Install green infrastructure features to help with stormwater and wastewater management. <p>The DoD Strategic Sustainability Performance Plan (SSPP) established several water efficiency goals, including a goal to reduce the potable water consumption intensity of facilities (i.e., potable water consumed per gross square foot of total building space) by 26% from FY 2007 levels by FY 2020, and a goal to reduce industrial and irrigation water consumption by 20% from FY 2010 levels by FY 2020.</p>
Operational Controls	<ul style="list-style-type: none"> ● To be added as required.
Monitoring and Measuring	<ul style="list-style-type: none"> ● Water consumption
Legal and Other Requirements	<ul style="list-style-type: none"> ● Energy Policy Act of 2005 (EPAAct 2005) ● Energy Independence and Security Act of 2007 (EISA 2007) ● Executive Order (EO) 13693 - Planning for Federal Sustainability in the Next Decade, 25 March 2015 ● Memorandum, ASA(IE&E), 16 December 2013, subject: Sustainable Design and Development Policy Update ● Army Regulation (AR) 420-1, Army Facilities Management, Chapter 22. Army Energy and Water Management Program.
Training Requirements	<ul style="list-style-type: none"> ● To be added as required.
Resource Requirements	<ul style="list-style-type: none"> ● To be added as required.

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FY16 Target Progress Report				
Objective #6: Water Conservation	Performance Indicator	Freq	Target/Baseline ----- Date	Results Status ----- Comments
Target 6-1: Reduce potable water consumption intensity 36% by FY25 through 2% annual reductions relative to the FY07 baseline.	Reduce 2%	Annual	36% Reduction by 2015 compared to 2007 baseline	37% reduction 2014
Action 1: Reduce water use to conserve water resources. DPW will expand the non-potable water line (purple pipe system) to replace potable water lines used only for irrigation.	% Complete	Qtr	Quads connected with the non-potable water	3/3 100%
Action 2: Eliminate wasteful practices. Implement cost effective water conservation by installing high efficient landscape irrigation fixtures.	% Complete	Qtr	Number of landscape irrigation	3/3 100%
Target 6-2: Reduce industrial, landscaping, and agricultural (ILA) water consumption intensity by 2% annually relative to the FY10 baseline.	Reduce 2%	Annual	2% Annual Reduction compared to FY 2010 baseline	
Action 1: To be determined.				

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SEMS Objective: #7 – Implement LEED/Sustainable Design	
Champion Organization(s)	<ul style="list-style-type: none"> • DPW Engineering • DPW ENRMD Compliance Branch
Significant Environmental Aspect(s)	<ul style="list-style-type: none"> • Water consumption or conservation. • Energy consumption or conservation. • Air emissions. • Solid waste. • Hazardous material use.
Environmental/ Organizational Impacts and Objective Description	<p>Potential impacts from targeting the significant aspects include:</p> <ul style="list-style-type: none"> • Conservation of non-renewable natural resources by reducing energy and water use. • Reduction of carbon emissions and greenhouse gas through reduction in energy use. • Reduce the use of hazardous materials. • Minimize the generation and disposal of solid waste. • Ensuring the continued availability of resources critical to Fort Gordon’s mission. • Ensuring readiness is maintained in the face of climate change. <p>Implementation of this objective will improve facility design and support sustainable facility goals established by the Energy Policy Act of 2005 (Public Law 109-58) (EPA 2005), the Energy Independence and Security Act of 2007 (EISA 2007), Executive Order (EO) 13693, Federal Sustainable Design and Development Policy, the DoD Strategic Sustainability Performance Plan (SSPP), and Army regulations and policies.</p> <p>EPA 2005 established requirements that sustainable building principles to be applied to all new and replacement buildings including siting, design, and construction and water conservation technologies be included where life-cycle cost effective. It requires all new buildings be designed to be at least 30% more efficient than current ASHRAE or IEEC standards. EISA 2007 established Federal building energy efficiency performance standards including a requirement that new Federal buildings and major renovations reduce fossil fuel-generated energy consumption by 55% in 2010, and 100% by 2030, from a 2003 baseline.</p> <p>EO 13693 establishes goals for improving building efficiency, performance, and management:</p> <ul style="list-style-type: none"> • Beginning FY 2020, design all new construction >5,000 GSF to achieve energy net-zero and, where feasible, water or waste net-zero by FY 2030.

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SEMS Objective: #7 – Implement LEED/Sustainable Design	
	<ul style="list-style-type: none"> • Beginning June 2016, identify 15% of existing buildings >5,000 GSF that will comply with revised Guiding Principles for Federal Leadership in High Performance and Sustainable Buildings (Guiding Principles) by FY 2025, and make annual progress toward 100% conformance. • Identify a percentage of existing buildings >5,000 GSF to be energy, waste, or water net-zero buildings by FY 2025, and implementing actions that will allow those buildings to meet that target. • Requires energy efficiency and disclosure of carbon emission or energy consumption data through submetering or estimates from pro-rated occupancy data in all new lease solicitations >10,000 rentable square feet • Beginning FY 2016, report building energy as part of the agency scope 3 GHG emissions for newly solicited leases >10,000 rentable square feet. • Include cost-effective strategies to optimize sustainable space usage and consider existing community transportation planning and infrastructure, including access to public transit in planning for new buildings or leases. • Include fleet charging infrastructure in design of all new construction, major renovation, repair, and alteration of buildings. • Include of climate-resilient design and management elements into the operation, repair, and renovation of existing buildings and the design of new a buildings. <p>The DoD Strategic Sustainability Performance Plan (SSPP) established sustainable practices goals including a goal that 95% of contract actions adhere to the principles of sustainability by containing requirements for energy-efficient (ENERGY STAR or Federal Energy Management Program [FEMP] designated), water-efficient, biobased, environmentally preferable, non-ozone depleting, recycled content containing, and/or non-toxic or less-toxic alternatives. It also includes a goal that 15% of existing buildings over 5,000 gross square feet conform to the Guiding Principles by FY 2015, and thereafter through FY 2020.</p>
Operational Controls	<ul style="list-style-type: none"> • To be added as required.
Monitoring and Measuring	<ul style="list-style-type: none"> • To be added as required.
Legal and Other Requirements	<ul style="list-style-type: none"> • Energy Policy Act of 2005 (EPAAct 05), 8 Aug 2005. • Energy Independence and Security Act of 2007 (EISA 2007), 19 Dec 2007. • Executive Order (EO) 13693 - Planning for Federal Sustainability in the Next Decade, 25 March 2015 • Guiding Principles for Federal Leadership in High Performance and Sustainable Buildings, Memorandum of Understanding (MOU), 6 Mar 2006, and 1 Dec 2008 update, High Performance and Sustainable Building Guidance

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SEMS Objective: #7 – Implement LEED/Sustainable Design	
	<ul style="list-style-type: none"> Memorandum, ASA(IE&E), 16 Dec 2013, subject: Sustainable Design and Development Policy Update
Training Requirements	<ul style="list-style-type: none"> To be added as required.
Resource Requirements	<ul style="list-style-type: none"> To be added as required.

FY16 Target Progress Report				
Objective #7: LEED/Sustainable Design	Performance Indicator	Freq	Target/Baseline ----- Date	Results Status ----- Comments
Target 7-1: Ensure that new construction and major renovations comply with the Guiding Principles for Federal Leadership in High Performance and Sustainable Buildings set forth in the Federal Leadership in High Performance and Sustainable Buildings MOU.	% Complete	Yearly	2 nd Qtr 2016/1 st Qtr 2015	
Action: Implement Guiding Principles for Federal Leadership in High Performance and Sustainable Buildings requirements are captured in the DD 1391 and USACE RFP.	% Complete	Yearly	2 nd Qtr 2016/1 st Qtr 2015	100% of new and recapitalization projects.
Target 7-2: Ensure 15% of the existing capital asset building inventory as of the end of FY 2025 incorporates the sustainable practices.	% Inventory		15% of Existing Building Inventory/FY25	
Action: Ensure all DPW managed projects require and receive a maintenance plan for roofing, lighting and mechanical equipment repair projects.				9% complete
Target 7-3: Ensure by FY2020 all new buildings (>5,000 GSF) entering the planning process are designed to achieve energy net-zero, and, where feasible, water or waste net-zero by FY2030.	% of New Building (>5,000 GSF) Designs	Yearly	100% FY2020	
Action: LID requirements are captured in DD 1391 and USACE and DPW RFP and design submittals.	% Complete	Yearly		100%

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SEMS Objective: #8 – Pollution Prevention and Green Procurement

Champion Organization(s)	<ul style="list-style-type: none"> • Logistics Readiness Center (LRC) • DFMWR • DPW ENRMD Compliance Branch
Significant Environmental Aspect(s)	<ul style="list-style-type: none"> • Hazardous waste generation • Solid waste generation.
Environmental/ Organizational Impacts and Objective Description	<p>Potential impacts from targeting the significant aspects include:</p> <ul style="list-style-type: none"> • Protection of land, water, and air resources and human health by reducing waste and the generation of pollution. • Conservation of natural resources. • Reduction of the environmental compliance burden by minimizing the applicability of requirements under environmental laws and regulations. <p>Fort Gordon’s pollution prevention and green procurement programs focus on implementing changes in chemicals, equipment, and processes in order to achieve a meaningful cost-effective reduction in the generation of waste and pollutants without adversely impacting mission readiness. EO 13693 require Federal agencies advance waste prevention and pollution prevention:</p> <ul style="list-style-type: none"> • Report in accordance with the requirements of EPCRA sections 301 through 313. • Divert at least 50% of non-hazardous solid waste annually, including food and compostable material but not construction and demolition (C&D) debris, and pursue opportunities for net-zero waste or additional diversion opportunities. • Divert at least 50% of non-hazardous C&D debris. • Reduce or minimize the quantity of toxic and hazardous chemicals and materials acquired, used, or disposed of, particularly where such reduction will assist with GHG emission reduction targets. <p>AR 420-1 sets requirements for installations to reduce the use of products or processes that degrade the environment, invest in pollution prevention in all mission and support areas, and implement a Green Procurement Program with emphasis on the mandatory purchasing preference programs (Affirmative Procurement for all designated Environmental Protection Agency (EPA) and DOD guidelines).</p>
Operational Controls	<ul style="list-style-type: none"> • Fort Gordon Pollution Prevention Plan, August 2014. • Fort Gordon Integrated Solid Waste Management Plan, January 2008. • Garrison Commander’s Policy Memorandum No. 36 – Purchasing Hazardous Materials with the Government Purchase Card, September 23, 2014, November 12, 2013. • Garrison Commander’s Policy Memorandum No. 89 – Recycling, September 23, 2014.

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SEMS Objective: #8 – Pollution Prevention and Green Procurement

Monitoring and Measuring	<ul style="list-style-type: none"> Solid Waste Disposal and Diversion (SWARWeb Reporting)
Legal and Other Requirements	<ul style="list-style-type: none"> Executive Order (EO) 13693 - Planning for Federal Sustainability in the Next Decade, 25 March 2015 AR 200-1, Environmental Protection and Enhancement, 13 December 2007. RCRA Section 6002, Solid Waste Disposal Act Emergency Planning and Community Right-to-Know Act (EPCRA) Federal Acquisition Regulation Part 23 - Environment, Energy and Water Efficiency, Renewable Energy Technologies, Occupational Safety, and Drug-Free Workplace DoD Instruction 4715.4, Pollution Prevention, Administrative Reissuance Incorporating Change 1, July 6, 1998
Training Requirements	<ul style="list-style-type: none"> To be added as applicable.
Resource Requirements	<ul style="list-style-type: none"> To be added as applicable.

FY16 Target Progress Report

Objective #8: Pollution Prevention and Green Procurement	Performance Indicator	Freq	Target/Baseline ----- Date	Results Status ----- Comments
Target 8-1: Use paper of at least 30% post-consumer fiber content.	Usage		Ongoing	Ongoing
Target 8-2: Reduce the quantity of toxic and hazardous chemicals and materials acquired, used, or disposed.	% Reduction		Ongoing	The amount of Hazardous Chemicals on the installation is down from many years ago due to elimination of waste streams as outlined in the Pollution Prevention Plan and Hazardous Waste Management Plan (36 tons per year average to around 12 tons per year).
Action 1: LRC reviews and evaluates procurement requests for Hazardous Materials with the Government Purchase Cards.	Ongoing		Ongoing	<ul style="list-style-type: none"> MIL-STD Hazardous Materials stored at the HMCP reduced from 80 items to 40 items over the last several years.

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FY16 Target Progress Report				
Objective #8: Pollution Prevention and Green Procurement	Performance Indicator	Freq	Target/Baseline ----- Date	Results Status ----- Comments
				<ul style="list-style-type: none"> GC Policy Memo #36 – Purchasing HazMat with GPC in effect
Action 2: Implement EESOH-MIS.	% Complete		Ongoing	Main base organizations: complete for HazMat and HW; In progress for HW at DDEAMC.
Target 8-3: Maintain cost effective waste prevention and recycling programs throughout the installation (plastic, metals, paper, and cardboard)	1. Tons of post- consumer products recycled/ year 2. number of organizations participating in QRP	YR WK	FY 11- 834.3 T 150 locations	1. FY13 1122.6 T RECYCLED 2. Approx 75 outdoor containers 83 buildings with inside service
Action 1: Develop policy letter requiring complete participation of all units, activities, and organization; prohibiting individual unit recycling	% Complete (currently being rewritten)			100%
Action 2: Increase the percentage of number 1 and 2 plastics recycled.	Ft Gordon QRP <i>*Does not include AAFES</i> All material processed	YR	26,000 lbs.	26,000 lb. FY12 38,000 lb. FY13 26,000 lb. FY14 all processed (3,478 lbs. baled not sold) = 29,478 lbs.
Action 3: Require all recycling totals be reported to the QRP Manager.	Outside responses.		Ongoing	No response from Hospital (shred)/Partial info from AAFES and DeCA.
Action 4: Amend Garrison Commander's Policy # 89 – Recycling to include requirement for entities that do not use the QRP to report weight totals to the QRP Manager.	% Complete			In Process, with Mr. Ramey.
Action 5: Sponsor Fort Gordon Unit Recycling Challenge 1 April – 30 June 2015.	Participation		Ongoing	1 st Qtr: 5 units 651 lbs-plastic/aluminum cans 2 nd Qtr: 11 units 9.093 lbs-paper 3 rd Qtr: 4 units over 21,000 lbs-cardboard

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FY16 Target Progress Report				
Objective #8: Pollution Prevention and Green Procurement	Performance Indicator	Freq	Target/Baseline ----- Date	Results Status ----- Comments
Action 6: Enter MOA with Balfour Beatty to provide 18-gal. recycling bins at post housing with weekly pickup by Recycling Center.	% complete		Ongoing	MOA not signed by BBC Lakeview Terrace-179 containers delivered 6/4/15

Document Change History			
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1	3/4/15	Action 4 added to Target 8-3 (presented to and approved by EQCC 2 nd Quarter FY15).	SEMSC
2	7/2/15	Reviewed and status updated for 3 rd Quarter FY 2015 EQCC.	SEMSC
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SEMS Objective: #9 – Community Partnerships

Champion Organization(s)	<ul style="list-style-type: none"> • DPW-ENRMD
Significant Environmental Aspect(s)	<ul style="list-style-type: none"> • Ecological resource degradation or conservation. • Cultural resource degradation or conservation. • Generation of noise, heat, light, or other radiation.
Environmental/Organizational Impacts and Objective Description	<p>Historically, the U.S. established military installations in rural areas far from population centers, but as the country’s population has grown, urban sprawl now abuts many installations. Noise, dust, and smoke from weapons, vehicles, and aircraft can prompt citizen complaints about military training. Commanders frequently are required to choose between being good neighbors and meeting training and testing requirements. Noise concerns, the presence of cultural and historic resources, and the distribution of endangered species can result in training restrictions affecting military readiness. Training restrictions, costly workarounds, and compromised training realism can result from incompatible development surrounding the installation (external encroachment) and from threatened and endangered species on the installation (internal encroachment). The Army Compatible Use Buffer (ACUB) program allows installations to work with partners to encumber off-post land to protect habitat and buffer training without acquiring any new land for Army ownership. The objective of the ACUB program at Fort Gordon is to create compatible use buffers around the central and western portions of the installation in order to protect existing and future firing ranges and flight routes from training restrictions.</p> <p>The Integrated Cultural Resources Management Plan (ICRMP) is a five-year planning document used to implement Fort Gordon’s cultural resources management program. It is a component of the installation’s Master Plan. The installation commander uses the ICRMP to assist in making decisions about cultural resources management activities and compliance procedures. The ICRMP:</p> <ul style="list-style-type: none"> • Integrates the installation’s cultural resources program with ongoing mission activities; • Allows ready identification of potential conflicts between the installation’s mission and its cultural resources; and • Identifies compliance actions necessary to keep mission-essential properties and acreage ready for use.
Operational Controls	<ul style="list-style-type: none"> • Fort Gordon Installation Cultural Resources Management Plan (ICRMP) • Fort Gordon Installation Compatible Use Zone Plan
Monitoring and Measuring	<ul style="list-style-type: none"> • To be added as applicable.

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SEMS Objective: #9 – Community Partnerships

Legal and Other Requirements	<p>Army Compatible Use Buffer:</p> <ul style="list-style-type: none"> • 10 USC 2684a - Agreements to Limit Encroachments and Other Constraints on Military Training, Testing, and Operations <p>Cultural Resources Management:</p> <ul style="list-style-type: none"> • AR 200-1 • AR 200-4 • 36 CFR - Protection of Historic Properties • 40 CFR 1500-1508 - Regulations Implementing the National Environmental Policy Act • 32 CFR 229 - Department of Defense Protection of Archeological Resources • 43 CFR 10 - Native American Graves Protection and Repatriation Act Regulations • 36 CFR 79 - Curation of Federally-owned and Administered Archeological Collections • 36 CFR 60 - National Register of Historic Places • 36 CFR 63 - Determinations of Eligibility for Inclusion in the National Register of Historic Places • 36 CFR 65 - National Historic Landmarks Program • 43 CFR 3 - Preservation of American Antiquities • 43 CFR 7 - Protection of Archeological Resources • 36 CFR 68 - Standards for the Treatment of Historic Properties • EO 13327 Federal Real Property Asset Management • EO 11593 Protection and Enhancement of the Cultural Environment • EO 13006 Locating Federal Facilities in Historic Properties in our Nation's Central Cities • EO 13007 Indian Sacred Sites • EO 13175 Consultation and Coordination with Indian Tribal Governments • EO 13287 Preserve America
Training Requirements	<ul style="list-style-type: none"> • To be added as applicable.
Resource Requirements	<ul style="list-style-type: none"> • To be added as applicable.

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FY16 Target Progress Report				
Objective #9: Community Partnerships	Performance Indicator	Freq	Target/Baseline ----- Date	Results Status ----- Comments
Target 9-1: Army Compatible Use Buffer (ACUB) Program to provide buffer space between the installation and outside incompatible development.	Acres protected	Annual	protect 11,963 acres by 2040	164 acres (Bath Branch LLC) protected under conservation easement from development
Action 1: Negotiations underway for 153 acres, the Hayes parcel (Claussen Pond), landowner willing to donate easement.	% Complete			
Action 2: Fort Gordon will issue a notice to proceed for easement on 355 acres (Knox LTD) in December.	% Complete			
Target 9-2: Implement requirements of the Integrated Cultural Resources Management Plan 2011-2016.	% Complete/Year	Annual	2016/ 2011	81%
Action 1: Prepare and submit annual ICRMP, PA and MOU reports to the GA SHPO and affiliated tribes.	% Complete/Year	Annual	31 Jan	100%
Action 2: Inspect conditions of 77 archeological sites and 22 cemeteries annually.	% Complete/Year	Annual	31 Dec	100%
Action 3: Complete phase 1 archeological surveys on 119 acres.	% Complete	SAF	Under contract	75%
Action 4: Resurvey 43 buildings when they reach 50 years in age.	% Complete	SAF	FY15 VENQ request Funding approved	50%

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1	9/16/15	SEMS MAP Worksheet updated with FY16 objectives and targets as voted on and approved by the EQCC on 2 September 2015.	SEMSC
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SEMS Objective: #10 – Monitoring and Measuring	
Champion Organization(s)	<ul style="list-style-type: none"> • DPW-ENRMD
Significant Environmental Aspect(s)	<ul style="list-style-type: none"> • Spills or releases to water, soil, or air • Energy consumption or conservation • Solid waste generation • Discharges (point and non-point) to ground or surface waters • Hazardous waste generation • Air emissions (vapors, particulate matter, dust, gas) • Ecological resource degradation or conservation
Environmental/Organizational Impacts and Objective Description	<p>Fort Gordon has established this objective to ensure that:</p> <ul style="list-style-type: none"> • key characteristics of Fort Gordon’s operations and activities that can significantly impact the environment are regularly monitored and measured; • environmental performance (including progress toward meeting objectives and targets and conformance with SOPs) is tracked; • monitoring equipment and records are calibrated and maintained: and, • compliance with relevant environmental laws and legislation is periodically evaluated.
Operational Controls	<ul style="list-style-type: none"> • Garrison Commander’s Policy Memorandum No. 63 – Compliance with Environmental, Natural, and Cultural Resource Requirements. • Installation Corrective Action Plan (ICAP)
Monitoring and Measuring	<ul style="list-style-type: none"> • EPAS • AEPA
Legal and Other Requirements	<ul style="list-style-type: none"> • AR 200-1, Environmental Protection and Enhancement, 13 December 2007.
Training Requirements	<ul style="list-style-type: none"> • To be added as applicable.
Resource Requirements	<ul style="list-style-type: none"> • To be added as applicable.

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FY16 Target Progress Report				
Objective #10: Monitoring and Measuring	Performance Indicator	Freq	Target/Baseline ----- Date	Results Status ----- Comments
Target 10-1: EPAS quarterly update. Minimize the number of repeat and long term findings by identifying root causes and putting measures in place to expedite their closure and maintain compliance.	% of findings closed	Qrtly	100% ----- Ongoing	number of findings closed -----
Action 1: ICAP Progress	% complete	Qrtly	2010 ----- Ongoing	% of corrective actions completed. Provide quarterly status updates to IMCOM and EQCC. -----
Action 2: Internal Annual Environmental Performance Assessment	% of deficiencies	Annual	Minimize # of deficiencies	Follow-up on corrective actions through periodic inspections and documentation. Track corrective action status through ICAP.
Action 3: External Environmental Performance Assessment	% of deficiencies	Every 3 years	Minimize # of deficiencies	Follow-up on corrective actions through periodic inspections and documentation. Track corrective action status through ICAP.
Target 10-2: Maintain SEMS Conformance	% Conformance with ISO 14001	Annual	100% Conformant ----- Ongoing	
Action 1: Maintain document control and operational controls.		Monthly	Ongoing	Noise Plan update completed May 2015. Hazardous Waste Management Plan update and review in progress. Mechanism in place to document and track incoming and outgoing actions (NOIs, NOV's, Action summary).
Action 2: Monitor status of objectives and targets.		Qrtly	Ongoing	Presented to EQCC Quarterly.

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FY16 Target Progress Report				
Objective #10: Monitoring and Measuring	Performance Indicator	Freq	Target/Baseline ----- Date	Results Status ----- Comments
Action 3: Conduct installation-wide Environmental Performance Assessment.	Completion	Annual	Ongoing	FY15 completed 17-26 Jun 2015.
Action 4: Review installation environmental aspects and impacts.	Completion	Annual	Ongoing	FY15 completed at Cross-Functional Team (CFT) at 2nd QTR meeting 14 Jan 2015.
Action 5: Hold Quarterly CFT Meetings.	Completion	Qrtly	Ongoing	FY15 completed. 1 st Quarter FY16 scheduled.
Action 6: Update SEMS Manual and EMS Procedures in accordance with ISO 14001.	Completion	Annual	Ongoing	FY15 update completed Apr 2015.
Action 7: Conduct Management Review of SEMS.	Completion	Annual	Ongoing	FY15 Completed. FY16 scheduled for 4th Quarter EQCC Meeting.

Document Change History			
Revision Number	Revision Date	Summary of Revision	Document Reviewer
0	2/9/15	Original SEMS MAP Worksheet Developed.	SEMSC
1	7/2/15	Reviewed and status updated for 3 rd Quarter FY 2015 EQCC.	SEMSC
2	9/16/15	SEMS MAP Worksheet updated with FY16 objectives and targets as voted on and approved by the EQCC on 2 September 2015.	SEMSC