

2012 Facility EMS Annual Report Data (DOE) - DOE-DOE/USNS/LM-Office of Legacy Management

I. Facility/Organization-level EMS Information		
Field	Value	Field History Comments
Agency/Department	DOE	<u>10/29/12</u> : Bulk Updated
Sub-Agency / Bureau / Command	DOE/USNS/LM	<u>10/29/12</u> : Bulk Updated
Facility / Organization Name	Office of Legacy Management	<u>10/29/12</u> : Bulk Updated
Description / Scope	The LM EMS encompasses all LM sites under cleanup custody, and federal and contractor facilities where work is managed throughout the U.S. This includes over 89 sites in 28 states and one site in Puerto Rico. Manned sites are located in Miamisburg and Fernald, OH, Rocky Flats and Grand Junction, CO, Tuba City, AZ, Morgantown, WV, Weldon Spring, MO, Monticello, UT, Pinellas, FL, Washington D.C., and Las Vegas, NV. The EMS flows down through all contracts and subcontracts to cover all work. The EMS covers approximately 400 federal and contractor employees.	
Point of Contact	Tracy A. Ribeiro	
POC Email	Tracy.Ribeiro@lm.doe.gov	
ISO 14001 Registration	No	
Other EMS Recognition in FY12		<u>10/29/12</u> : Bulk Updated
Comments		<u>10/29/12</u> : Bulk Updated

II. EMS External Audit & Declaration of Conformance		
Field	Value	Field History Comments
EMS in Conformance with CEQ Implementing Instructions?	Yes	
Most Recent Conformance Declaration Date	06/07/2012	

Name of Person Declaring Conformance	Barbara McNeal Lloyd and Thomas C Pauling	<u>10/29/12</u> : Bulk Updated
Title of Person Declaring Conformance	Director, Office of Business Operations, Office of Legacy Management and Director, Office of Site Operations, Office of Legacy Management	<u>10/29/12</u> : Bulk Updated
Date of Most Recent ISO Registration		

III. EMS Performance Metrics for 2012 EMS Scorecard

Field	Value	Field History Comments
Environmental Aspects	D	
Sustainable Practices	D	
Objectives, Targets & Programs	D	
Environmental Training	D	
Operational Controls	D	
Contracts & Concession Agreements	D	
Evaluation of Compliance with Regulatory Requirements	D	
Management Review	D	
Score	None	

IV. EMS Relationship to Sustainable Practices

Field	Value	Field History Comments
1. Energy Use		
1.a. Has an assessment of the facility/organization's energy use been conducted?	Yes	
1.b. Is energy use identified as a 'significant aspect'?	Yes	
1.c. Have objectives and targets been established to address energy use?	Yes	
1.d. Are these objectives	Yes	

and targets included in the EMS?		
1.e. Have plans and programs been implemented to address energy use?	Yes	
1.f. Are these plans and programs included in the EMS?	Yes	
2. Greenhouse Gas Emissions		
2.a. Has an assessment of the facility's/organization's greenhouse gas emissions been conducted?	Yes	
2.b. Are greenhouse gas emissions identified as 'significant aspects'?	No	
2.c. Have objectives and targets been established for greenhouse gas emissions?	Yes	
2.d. Are these objectives and targets included in the EMS?	Yes	
2.e. Have plans and programs been implemented to address greenhouse gas emissions?	Yes	
2.f. Are these plans and programs included in the EMS?	Yes	
3. Renewable Energy Use		
3.a. Has an assessment of the facility's/organization's renewable energy use been conducted?	Yes	
3.b. Is renewable energy use identified as a 'significant aspect'?	No	
3.c. Have objectives and	Yes	

targets been established for renewable energy use?		
3.d. Are these objectives and targets included in the EMS?	Yes	
3.e. Have plans and programs been implemented to address renewable energy use?	Yes	
3.f. Are these plans and programs included in the EMS?	Yes	
4. Water Use		
4.a. Has an assessment of the facility's/organization's water use been conducted?	Yes	
4.b. Is water use identified as a 'significant aspect'?	Yes	
4.c. Have objectives and targets been established for water use?	Yes	
4.d. Are these objectives and targets included in the EMS?	Yes	
4.e. Have plans and programs been implemented to address water use?	Yes	
4.f. Are these plans and programs included in the EMS?	Yes	
5. Purchasing		
5.a. Has an assessment of the facility's/organization's purchasing practices been conducted?	Yes	
5.b. Are environmental aspects associated with purchasing identified as	Yes	

'significant aspects'?		
5.c. Have objectives and targets been established for aspects associated with purchasing practices?	Yes	
5.d. Are these objectives and targets included in the EMS?	Yes	
5.e. Have plans and programs been implemented to address purchasing practices?	Yes	
5.f. Are these plans and programs included in the EMS?	Yes	
6. Solid Waste Generation		
6.a. Has an assessment of the facility's/organization's solid waste generation been conducted?	Yes	
6.b. Is solid waste generation identified as a 'significant aspect'?	Yes	
6.c. Have objectives and targets been established to address solid waste generation?	Yes	
6.d. Are these objectives and targets included in the EMS?	Yes	
6.e. Have plans and programs been implemented to address solid waste generation?	Yes	
6.f. Are these plans and programs included in the EMS?	Yes	
7. Purchasing and Using Toxic Or Hazardous Chemicals		
7.a. Has an assessment of the facility's/organization's practices for purchasing	Yes	

and using toxic or hazardous chemicals been conducted?		
7.b. Is purchasing and using toxic or hazardous chemicals identified as a 'significant aspect'?	Yes	
7.c. Have objectives and targets been established for purchasing and using toxic or hazardous chemicals?	Yes	
7.d. Are these objectives and targets included in the EMS?	Yes	
7.e. Have plans and programs been implemented to address purchasing and using toxic or hazardous chemicals?	Yes	
7.f. Are these plans and programs included in the EMS?	Yes	
8. Buildings		
8.a. Has an assessment of the facility's/organization's practices related to construction / lease / operation / maintenance of buildings been conducted?	Yes	
8.b. Are the environmental aspects associated with construction / lease / operation / maintenance of buildings identified as 'significant aspects'?	Yes	
8.c. Have objectives and targets been established for aspects associated with construction / lease / operation / maintenance of	Yes	

buildings?		
8.d. Are these objectives and targets included in the EMS?	Yes	
8.e. Have plans and programs been implemented to address aspects associated with construction / lease / operation / maintenance of buildings?	Yes	
8.f. Are these plans and programs included in the EMS?	Yes	
9. Vehicle Fleet Use/Petroleum Products Use		
9.a. Has an assessment of the facility's/organization's vehicle fleet use/petroleum products use been conducted?	Yes	
9.b. Are vehicle fleet use/petroleum products use identified as 'significant aspects'?	Yes	
9.c. Have objectives and targets been established for vehicle fleet use/petroleum products use?	Yes	
9.d. Are these objectives and targets included in the EMS?	Yes	
9.e. Have plans and programs been implemented to address vehicle fleet use/petroleum products use?	Yes	
9.f. Are these plans and programs included in the EMS?	Yes	
10. Purchase/Use/Disposal of Electronic Equipment		
10.a. Has an assessment	Yes	

of the facility's/organization's purchase/use/disposal of electronic equipment been conducted?		
10.b. Are purchase/use/disposal of electronic equipment identified as 'significant aspects'?	Yes	
10.c. Have objectives and targets been established for purchase/use/disposal of electronic equipment?	Yes	
10.d. Are these objectives and targets included in the EMS?	Yes	
10.e. Have plans and programs been implemented to address purchase/use/disposal of electronic equipment?	Yes	
10.f. Are these plans and programs included in the EMS?	Yes	
11. Environmental Regulatory Compliance		
11.a. Has an assessment of the facility's/organization's regulated products, activities and services been conducted?	Yes	
11.b. Is environmental regulatory compliance identified as a factor in determining a 'significant aspect'?	Yes	
11.c. Have objectives and targets been established for environmental regulatory compliance?	Yes	
11.d. Are these objectives and targets	Yes	

included in the EMS?		
11.e. Have plans and programs been implemented to address environmental regulatory compliance?	Yes	
11.f. Are these plans and programs included in the EMS?	Yes	

V. EMS Experiences		
Field	Value	Field History Comments
EMS Best Practices / Lessons Learned	* The Sustainability Team Advocates (Contractor and DOE) change periodically. Since participation in the EMS Sustainability Program is an added task, for many of us the learning curve can be steep. A 'welcome' package for new people assists them with the initial learning. * Distributing information for review prior to the Management Review and assigning responsible parties and due dates for any identified actions during the Management Review has streamlined the process. * LM has periodic EMS meetings where we exchange information and discuss status, obstacles, etc Also, we highlight a team each month to increase sustainability awareness, through various communications methods.	
EMS Challenges	With the expectation that LM's mission will continue to expand through FY 2020, it will be difficult to meet the petroleum reduction and fleet reduction goals. LM has projected a 41 percent increase in the number of sites by FY 2020 versus holding steady on the number of vehicles in its fleet or possibly reducing further over the next two years to meet the reduction goals. Although most of those transitioned sites are unmanned they are supported by the vehicles from the closest manned site and any further reductions could jeopardize LM's ability to meet mission goals. * Given the ever changing EMS environment such as the new policy, new directives and initiatives, as well as the availability of the market to support EMS stewardship, it remains a challenge for maintaining our own systems of conformity.	

	* Finding an appropriate balance between the policy and its intent to that of the LM mission and scope.	
External Communication	* Although actively improving our external communication toolbox, LM participates in regularly scheduled meetings with various stakeholders. * LM participates in public information meetings. * LM Program Update Newsletter is sent to 6,000 stakeholders quarterly.	
Highest Priority Aspects	* Land Use (including cell construction and maintenance, and structure erection or alteration) and land re-use. * Resource Consumption * Releases to the environment (treatment and monitoring of groundwater) * Waste Minimization	
EMS Benefits to Agency Mission	* LM significantly reduced its potable water use intensity by 95.8 percent in FY2012, as compared to the FY2007 baseline year. This reduction exceeded the required minimum water intensity reduction of ten percent by FY2012 year end. * LM significantly reduced Scope 1 & 2 greenhouse gas emissions. LM has 77.1 percent reduction in Scope 1 emissions and 20.6 percent reduction in Scope 2 emissions to date compared to the 2008 baseline. On the basis of metric tons of GHG emissions, combined Scope 1 and 2 emissions were 21.2 percent less in 2012 than in 2008. * In 2012, LM diverted 7,868 tons of construction and demolition (C&D) debris, which was a diversion of more than 99 percent of C&D debris from landfills. Specific language was added to construction statement of work templates to require subcontractors to report C&D debris disposal and recycling volumes."	

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