

2018 Facility EMS Annual Report Data (DOE) - DOE-DOE/M&P/LM-Office of Legacy Management

EMS/Site Information	
Agency / Department	DOE
Sub-Agency/ Bureau/ Service/ Command	DOE/M&P/LM
Site/ Organization/ EMS Name	Office of Legacy Management
Description / Scope	<p>The Office of Legacy Management (LM) has a mission to fulfill DOE's post-closure responsibilities at sites and ensures the protection of human health and the environment. In achieving the mission, LM is responsible for activities (environmental protection, information management, retiree benefits, land management, and community engagement) at sites where DOE's mission has ended and active environmental cleanup has been completed. The LM EMS encompasses these activities at or on the following: all 92 LM sites in 28 states and the territory of Puerto Rico; five radiometric calibration facilities in four states; the Defense-Related Uranium Mines Program in multiple western states; approximately 25,000 acres on 31 lease tracts located in southwestern Colorado as part of the Uranium Leasing Program; the Legacy Management Business Center; and ten office locations in eight states. The LM EMS is a joint program that (1) applies to all LM federal personnel and the Legacy Management Support (LMS) contractor employees and (2) flows down through all contracts and subcontracts. All LM employees are considered Headquarters employees, however, some of the LM activities at the DOE Forrestal office are captured under the EMS for that facility. Any work activity that could impact the environment and is within the area of influence of LM and LMS employees is considered to be within the scope of the EMS. The EMS covers approximately 520 federal and contractor employees as of the end of FY 2018. Further reference to LM in this document includes both LM and LMS employees. LM's EMS incorporates environmental considerations for each location into all aspects of the LM mission. The EMS helps LM maximize beneficial use of finite resources; minimize wastes and adverse environmental impacts; and meet or exceed compliance with applicable environmental, public health, and resource protection laws, regulations, and DOE requirements.</p>
Point of Contact	Tracy A. Ribeiro
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ISO 14001 Registration	No
Date of Most Recent ISO Registration	
Other EMS Recognition in FY18	N/A
Comments	LM successfully transitioned to the ISO 14001:2015 standard. An external audit was conducted in June 2018 and LM received no findings and was able to declare Declaration of Conformance.

Section 1: EMS Performance Metrics

The metrics below represent EMS metric areas that will provide the basis for an evaluation of the performance of the EMS. Note that not all essential EMS elements are included in this reporting form. For each EMS metric area listed, reporting sites will select the applicable performance level that represents the status of the EMS with "A" being the highest score and "D" being the lowest score. The responses should reflect FY2018.

Click the "?" for performance criteria.

1. Environmental Aspects	A
2. Environmental Objectives	A
3. Operational Controls	A
4. Compliance with Regulatory Requirements/ Corrective Actions	B
5. EMS/EO Goals Integration	A

Section 2: EMS/EO Goals Integration Worksheet

These sustainability goal areas may be covered by facilities or headquarters offices. Review and specify if the following E.O. 13693 sustainability goals are applicable and addressed in the EMS.

Instructions: Reporting sites will select Yes or No for site applicability to each goal area. If you select Yes, you will then be prompted to respond Yes or No to indicate if the applicable goal area has been addressed. If you select No, it means that 1) the aspect or ability to meet that goal does not exist at the organization/facility and/or 2) the goal is fully addressed at a different level of the organization, is fully addressed outside the EMS, or has been fully addressed through prior EMS objectives. For FY18, if "No" is selected, you will be required to briefly explain which situation applies.

The resulting calculation (at the bottom of the worksheet) is used to determine the A, B, C or D score for EMS Performance Metric Area no. 5 in Section 1.

Goal 1 - GHG Reduction**Goal Objectives**

- Reduce Scope 1 GHG emissions and/or
- Reduce Scope 2 GHG emissions and/or
- Reduce Scope 3 GHG emissions

Goal 1 Applicable?	Yes
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Goal 1 Addressed?	Yes
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Goal 2 - Sustainable Buildings**Goal Objectives**

- Reduce building energy consumption and intensity and/or
- Meter buildings for electricity, natural gas, steam and/or water and/or
- Build new buildings as, or convert existing building to be, compliant with the *Guiding Principles for Sustainable Federal Buildings and Associated Instructions* and/or
- Build new buildings as, or convert existing buildings to, net zero energy/water/waste

Goal 2 Applicable?	Yes
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Goal 2 Addressed?	Yes
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Goal 3 - Clean & Renewable Energy

Goal Objectives

- **Increase the use of clean energy and/or**
- **Increase the use of renewable energy**

Goal 3 Applicable?	Yes
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Goal 3 Addressed?	Yes
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Goal 4 - Water Use Efficiency & Management

Goal Objectives

- **Reduce potable water consumption and intensity and/or**
- **Reduce industrial, landscaping, and agricultural water consumption and/or**
- **Identify, promote, and implement water reuse strategies and/or**
- **Improve storm water and wastewater management**

Goal 4 Applicable?	Yes
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Goal 4 Addressed?	Yes
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Goal 5 - Fleet Management

Goal Objectives

- **Reduce petroleum use and/or**
- **Increase alternative fuel consumption and/or**
- **Reduce fleet per-mile GHG emissions and/or**
- **Increase acquisition of alternative fuel, zero emission, and/or plug-in hybrid electric vehicles and/or**
- **Support fleet right-sizing and optimization**

Goal 5 Applicable?	Yes
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Goal 5 Addressed?	No
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Goal 6 - Sustainable Acquisition

Goal Objectives

- **Promote progress on federal sustainable acquisition requirements and goals and/or**
- **Ensure applicable contracts contain BioPreferred and biobased criteria and/or**
- **Ensure compliance for printing and writing paper purchases containing at least 30 percent postconsumer recycled content and/or**

• **Reduce supply chain emissions and incorporate criteria or contractor requirements into procurements**

Goal 6 Applicable?	Yes
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Goal 6 Addressed?	Yes
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Goal 7 - Pollution Prevention & Waste Reduction

Goal Objectives

- **Promote pollution prevention and non-hazardous solid waste reduction through elimination, source reduction, and recycling and/or**
- **Divert construction and demolition materials and debris and/or**
- **Reduce the toxic and hazardous chemicals acquired, used, sold and disposed of and/or**
- **Eliminate, reduce, or recover refrigerants and other fugitive emissions and/or**
- **Implement integrated pest management and improved landscape management practices and/or**
- **Reduce purchase of, and improve management and disposal of HFCs**

Goal 7 Applicable?	Yes
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Goal 7 Addressed?	Yes
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Goal 8 - Energy Performance Contracts

Goal Objectives

- **Utilize performance contracting to meet identified energy and water efficiency and management goals**

Goal 8 Applicable?	Yes
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Goal 8 Addressed?	Yes
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Goal 9 - Electronic Stewardship & Data Centers

Goal Objectives

- **Ensure acquisition of sustainable electronic products (e.g., Electronic Product Environmental Assessment Tool (EPEAT)-registered products; ENERGY STAR certified and low standby power) and/or**
- **Enable power management, automatic duplexing, and other energy efficient or sustainable electronics features and/or**
- **Ensure environmentally sound electronics disposal at end of life and/or**
- **Implement data center metering and improve efficiency, as measured by data center power usage effectiveness (PUE)**

Goal 9 Applicable?	Yes
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Goal 9 Addressed?	Yes
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Goal 10 - Climate Change Resilience

Goal Objectives

- Identify and address projected impacts of climate change on mission critical water, energy, communication, and transportation demands and/or
- Incorporate climate resilient-design and management elements into the operation, repair, and renovation of existing agency buildings and the design of new agency buildings and/or
- Update policies, procedures, protocols and programs to reflect the impacts of climate change

Goal 10 Applicable?	Yes
Goal 10 Addressed?	Yes

Goal Area Scoring

Total No. Goals Addressed	9
Total No. Goals Applicable	10
Goal Areas Score	90.0%

Use the percentage calculated above to determine the score for EMS Performance Metric no. 5 in Section 1.

Section 3: EMS Scoring

Site Score	Green
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Section 4: EMS Experiences

EMS Best Practices	* LM participates in regularly scheduled meetings with various stakeholders to provide status updates on sites of interest to them and constantly works to improve its external communication toolbox. LM participation in public information meetings enhances transparency and improves external communication. * LM regularly posts programmatic reports that provide site statuses to its public website. In addition, LM sends its "Program Update" newsletter to more than 14,000 stakeholders quarterly. * LM streamlined the annual EMS Management Review meeting by distributing materials quarterly instead of annually for review and evaluation.
EMS & Mission Effectiveness	* LM conducts and tracks site inspections to identify potential issues early and take actions to ensure continued protection of human health and the environment through effective and efficient long-term surveillance and maintenance. * The LMS Environmental Compliance group is integrated into program and project implementation from planning through completion to help ensure activities are performed so that safety of the public and protection of the environment is maintained. * LM established an Environmental Review Form to identify potential environmental impacts and concerns of proposed actions earlier in the work planning process. Use of the form has also improved the NEPA review process.
EMS Implementation Challenges	* Because LM conducts post-closure activities including long-term care of 92 sites in 28 states and Puerto Rico, LM has an ongoing challenge to identify, interpret, and track applicable regulations and determine their impacts on its operations, both program-wide and for each site. These regulations can vary from state-to-state. This requires an ongoing effort to communicate the

requirements of the EMS to a changing workforce of people that may have different information needs. * Achieving sustainability goals is an ongoing challenge in the face of full-implementation or expanding mission. Recent mission expansion, such as the Defense-Related Uranium Mines Program or an anticipated restart of the Uranium Leasing Program, will increase the LM activities that are subject to the sustainability goals. Additionally, LM expects to receive approximately 32 additional sites by 2028, as DOE, U.S. Army Corps of Engineers, and private uranium mill licensees complete environmental remediation efforts and sites close. As LM receives more sites and additional scope, LM will increase workers, office space, vehicles, travel, fuel consumption, and personal property and generate more waste. Conditions at transfer could vary greatly from site to site, making it challenging to predict their impact on meeting the sustainability goals and targets. LM will monitor the impacts to meeting sustainability goals and targets and related funding as new sites are added and scope increases and adjust its EMS accordingly.

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Key for alphabetic responses within Section 1 of the report

1. Environmental Aspects-

Please indicate the one statement which best describes the status of ENVIRONMENTAL ASPECTS during the reporting period. DO NOT report on actions taken AFTER September 30, 2018.

A. Using an established procedure(s), previously identified activities, products and services (and their associated environmental aspects) and all newly identified activities, products and services (and their associated environmental aspects) were evaluated for significance within the past fiscal year (FY). Also, the results of the analysis were documented and any necessary changes were made or are scheduled to be made.

B. Using an established procedure(s), all previously identified activities, products and services (and their associated environmental aspects) and all newly identified activities, products and services (and their associated environmental aspects) were evaluated for significance within the past FY. However, at least one of the following is true:

- The results of the analysis were not documented.
- Necessary changes were not made.

C. A procedure is established requiring review of identified activities, products and services (and their associated environmental aspects) for significance, but that procedure was not exercised within the past FY.

D. No established procedure is in place to evaluate activities, products and services (and their associated environmental aspects) for significance.

2. Environmental Objectives –

Please indicate the one statement which best describes the status of ENVIRONMENTAL OBJECTIVES during the reporting period. DO NOT report on actions taken AFTER September 30, 2018.

A. Documented measurable environmental objectives are in place at relevant functions and levels. Additionally, by the end of the FY, at least 80% of them had either already been accomplished or were on schedule to be met.

B. Documented measurable environmental objectives are in place at relevant functions and levels. Additionally, by the end of FY, 50 to 79% of them had either already been accomplished or were on schedule to be met.

C. Documented measurable environmental objectives are in place at relevant functions and levels. However, by the end of FY, less than 50% of them had either already been accomplished or were on schedule to be met.

D. No documented measurable environmental objectives have been established.

3. Operational Controls

Please indicate the one statement which best describes the status of OPERATIONAL CONTROLS during the reporting period. DO NOT report on actions taken AFTER September 30, 2018.

A. Within the past FY, operational controls associated with identified significant environmental aspects are established, implemented, controlled, and maintained in accordance with operating criteria.

B. Within the past FY, operational controls are established and implemented, but have not been controlled and maintained in accordance with operating criteria.

C. Within the past FY, operational controls are established, but have not been implemented, controlled and maintained in accordance with operating criteria.

D. Operational controls have not been established.

4. Compliance with Regulatory Requirements/ Corrective Actions

Please indicate the one statement which best describes the status of evaluation of COMPLIANCE WITH REGULATORY REQUIREMENTS/CORRECTIVE ACTIONS during the reporting period. DO NOT report on actions taken AFTER September 30, 2018.

An environmental compliance audit program should include an established frequency for review of environmental program elements (e.g., air, water, waste, etc.)

A. Within the past FY, an environmental compliance audit program was in place, audits were completed according to schedule, audit findings were documented, and corrective and preventative actions were defined/documentated and on schedule for completion by an established date.

B. Within the past FY, an environmental compliance audit program was in place, audits were completed according to schedule or were rescheduled as needed, audit findings were documented, and corrective and preventative actions were defined/documentated. However, the corrective and preventative actions were not always on schedule for completion by an established date.

C. Within the past FY, an environmental compliance audit program was in place, but at least one of the following statements is true:

- Audits were not completed according to schedule, and have not be rescheduled, as needed.
- Audit findings were not documented.
- No process was established to define/document corrective and preventative actions.

D. No established environmental compliance audit program exists.

5. EMS/EO Goals Integration

Use Section 2: EMS/EO Goals Integration Worksheet to calculate your score for this Metric:

A. 80 to 100 percent of applicable E.O. 13693 sustainability goals are addressed in the EMS.

B. 65 to 79 percent of applicable E.O. 13693 sustainability goals are addressed in the EMS.

C. 50 to 64 percent of applicable E.O. 13693 sustainability goals are addressed in the EMS.

D. Zero to 49 percent of applicable E.O. 13693 sustainability goals are addressed in the EMS.