

**2020 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                  | 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 manages 100 sites in 35 states and the territory of Puerto Rico where DOE's mission has ended and active environmental cleanup has been completed. These activities include environmental protection, information management, land management, and community engagement. In addition to the post-closure site responsibilities, LM also conducts the following activities: maintenance of five radiometric calibration facilities; managing the DOE Uranium Leasing Program in southwestern Colorado; conducting verification and validation (V&V) and reclamation activities at the Defense-Related Uranium Mines Program at over 4000 sites, mostly in the west and southwest U.S.; managing the Applied Studies and Technology Program; managing the LM Business Center as a repository for the storage of federal records, and supporting LM programmatic activities at 10 occupied office locations in eight states. The LM EMS is a joint program that applies to all LM federal personnel, the prime Legacy Management Support contractor employees, and several other administrative and security support contractor employees; it involves approximately 615 employees, as of the end of FY 2020, and all are hereafter included as LM. The EMS also flows down through all contracts and subcontracts. Any work activity that could impact the environment and is within the area of influence of LM employees is considered to be within the scope of the EMS. LM's EMS incorporates environmental considerations for each location into all aspects of the LM mission. Most of LM's activities are captured for reporting under our EMS but some are captured under the EMS for the Forrestal facility. 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. |
| Point of Contact                     | Tracy A. Ribeiro  |
| POC Email                            | Tracy.Ribeiro@lm.doe.gov  |
| ISO 14001 Registration               | No  |
| Date of Most Recent ISO Registration |   |
| Other EMS Recognition in FY20        |   |
| Comments                             |   |

**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 FY2020.**

**Click the "?" for performance criteria.**

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

## Section 2: EMS/EO Goals Integration Worksheet

**These goal areas may be covered by facilities or headquarters offices. Review and specify if the following E.O. 13834 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 FY20, 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 - Energy Reduction

#### Goal Objectives

- Achieve and maintain annual reductions in building energy use and implement energy efficiency measures that reduce costs

#### Metric:

**- British Thermal Units (Btu) used per gross square foot (GSF) of Federal building space (Btu/GSF)**

|                                  |     |
|----------------------------------|-----|
| Goal 1 Applicable?               | Yes |
| Goal 1 Addressed?                | Yes |
| Reason for Goal 1 Not Applicable |     |

### Goal 2 - Renewable Energy

#### Goal Objectives

- **Meet statutory requirements relating to the consumption of renewable energy and electricity**
- **Consume a minimum percentage of renewable electricity**

**Metric:**

- **Renewable electricity used (as a percentage of total electricity use)**

|                                  |     |
|----------------------------------|-----|
| Goal 2 Applicable?               | Yes |
| Goal 2 Addressed?                | Yes |
| Reason for Goal 2 Not Applicable |     |

### **Goal 3 - Water Management**

**Goal Objectives**

- **Reduce potable and non-potable water consumption, and comply with stormwater management requirements**

**Metric:**

- **Potable water intensity, measured in gallons per GSF of Federal building space**

|                                  |     |
|----------------------------------|-----|
| Goal 3 Applicable?               | Yes |
| Goal 3 Addressed?                | Yes |
| Reason for Goal 4 Not Applicable |     |

### **Goal 4 - Performance Contracting**

**Goal Objectives**

- **Utilize performance contracting to achieve energy, water, building modernization, and infrastructure goals**

**Metrics:**

- **Investment value of performance contracts awarded in dollars**  
 - **Number of contracts awarded**

|                                  |     |
|----------------------------------|-----|
| Goal 4 Applicable?               | Yes |
| Goal 4 Addressed?                | Yes |
| Reason for Goal 4 Not Applicable |     |

### **Goal 5 - Sustainable Buildings**

**Goal Objectives**

- **Ensure that new construction and major renovations conform to applicable building energy efficiency requirements and sustainable design principles**
- **Consider building efficiency when renewing or entering into leases**

- **Implement space utilization and optimization practices, and**
- **Annually assess and report on building conformance to sustainability metrics**

**Metrics:**

- **Percentage of owned buildings (eligible) meeting the sustainability criteria**
- **Percent GSF (eligible) meeting the sustainability criteria (for owned buildings > 10,000 GSF)**

|                                  |     |
|----------------------------------|-----|
| Goal 5 Applicable?               | Yes |
| Goal 5 Addressed?                | Yes |
| Reason for Goal 5 Not Applicable |     |

**Goal 6 - Waste Management****Goal Objectives**

- **Implement waste prevention and recycling measures and comply with all Federal requirements with regard to solid, hazardous, and toxic waste management and disposal**
- **Reduce non-hazardous solid waste and percentage reduction sent to treatment and disposal facilities**

**Metrics:**

- **Tons of non-hazardous solid waste generated**
- **Percentage of non-hazardous solid waste sent to treatment and disposal facilities**

|                                  |     |
|----------------------------------|-----|
| Goal 6 Applicable?               | Yes |
| Goal 6 Addressed?                | Yes |
| Reason for Goal 6 Not Applicable |     |

**Goal 7 - Energy Management, Building Evals, Benchmarking****Goal Objectives**

- **Facility evaluations, metering, benchmarking, energy management personnel and training**

**Metrics:**

- **EISA-covered facilities evaluated for efficiency opportunities**
- **Utilized performance contracting in FY 2018 to achieve energy, water, building modernization, infrastructure goals**

|                                  |     |
|----------------------------------|-----|
| Goal 7 Applicable?               | Yes |
| Goal 7 Addressed?                | Yes |
| Reason for Goal 7 Not Applicable |     |

**Goal 8 - Fleet Management**

**Goal Objectives**

- **Meet statutory requirements related to energy and environmental performance of vehicles in a manner that increases efficiency, optimizes performance, and reduces waste and costs**

**Metrics:**

- **Reduction in petroleum consumption**
- **Increase in alternative fuel consumption**

|                                  |     |
|----------------------------------|-----|
| Goal 8 Applicable?               | Yes |
| Goal 8 Addressed?                | Yes |
| Reason for Goal 8 Not Applicable |     |

**Goal 9 - Acquisition****Goal Objectives**

- **Acquire, use, and dispose of products and services, including electronics, in accordance with statutory mandates for purchasing preference, Federal Acquisition Regulation (FAR) requirements, and other applicable Federal procurement policies**

**Metrics:**

- **Percentage of contract actions containing statutory environmental requirements**
- **Percentage of obligations (in dollars) containing statutory environmental requirements**

|                                  |     |
|----------------------------------|-----|
| Goal 9 Applicable?               | Yes |
| Goal 9 Addressed?                | Yes |
| Reason for Goal 9 Not Applicable |     |

**Goal 10 - Electronic Stewardship****Goal Objectives**

- **Manage electronics to reduce energy and environmental impacts in accordance with E.O. 13834 goals for Energy Reduction (Section 2(a)), Waste Management (Section 2(f)), and Acquisition (Section 2(g))**

|                                   |     |
|-----------------------------------|-----|
| Goal 10 Applicable?               | Yes |
| Goal 10 Addressed?                | Yes |
| Reason for Goal 10 Not Applicable |     |

**Goal 11 - Data Center Management****Goal Objectives**

- **Goals for consolidation, virtualization, optimization, efficiency, and transitioning to cloud-based solutions**

|                                   |     |
|-----------------------------------|-----|
| Goal 11 Applicable?               | Yes |
| Goal 11 Addressed?                | Yes |
| Reason for Goal 11 Not Applicable |     |

## **Goal 12 - GHG Management and Reporting**

### **Goal Objectives**

- **Track and report on greenhouse gas (GHG) emissions and reductions**

### **Metrics:**

**- Scope 1 and 2 GHG emissions in metric tons CO2e**

|                                   |     |
|-----------------------------------|-----|
| Goal 12 Applicable?               | Yes |
| Goal 12 Addressed?                | Yes |
| Reason for Goal 12 Not Applicable |     |

## **Goal 13 - Resilience**

### **Goal Objectives**

- **Agencies should prioritize strategies that reduce waste, cut costs, enhance resilience, and enable more effective accomplishment of agency missions**

|                                   |     |
|-----------------------------------|-----|
| Goal 13 Applicable?               | Yes |
| Goal 13 Addressed?                | Yes |
| Reason for Goal 13 Not Applicable |     |

## **Goal Area Scoring**

|                            |        |
|----------------------------|--------|
| Total No. Goals Addressed  | 13     |
| Total No. Goals Applicable | 13     |
| Goal Areas Score           | 100.0% |

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

## **Section 3: EMS Scoring**

**The auto-calculated facility/organization-level OMB rating (score) based on responses to the 5 metrics questions is displayed**

**here only upon completing and publishing the record.**

|            |      |
|------------|------|
| Site Score | None |
|------------|------|

#### Section 4: EMS Experiences

|                               |   |
|-------------------------------|---|
| EMS Best Practices            | <p>* LM regularly posts programmatic reports providing site statuses to its public website. In addition, LM sends its "Program Update" newsletter to more than 14,000 stakeholders quarterly. * LM is transitioning to use of SharePoint and its workflow function for development and review of environmental documents and reports. This software allows efficiencies in review time and tracking as compared to reviews via e-copies in email attachments or hardcopies. * LM created a SharePoint site to conduct the Annual EMS Management Review. All review materials were located on the Site with promoted links and lists. Additionally, a SharePoint Survey was created on the Site to collect feedback and comments from management after the review. These changes eliminated sending multiple emails with large attachments, managers were able to quickly respond to the survey, analysis of the results is completed within SharePoint and this site can be continually updated requiring only a short email to Management highlighting the updates or changes they may need to review.</p>   |
| EMS & Mission Effectiveness   | <p>* As part of monitoring and measurement to ensure mission related goals are being met, 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 to maintain safety of the public and protection of the environment. * LM implemented use of an Environmental Review Form and its inclusion in the integrated work control process (IWCP). This integration helps to identify potential environmental impacts and concerns of proposed actions earlier in the work planning process. The NEPA review process has been improved due to use of the Environmental Review form.</p>   |
| EMS Implementation Challenges | <p>* Because LM conducts post-closure activities including long-term care of 100 sites in 35 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 having different information needs. * Efficiently improving sustainability and resiliency is an ongoing challenge in the face of expanding mission. Recent mission expansion or changes, such as the Defense-Related Uranium Mines Program or the restart of the Uranium Leasing Program, will increase LM activities subject to sustainability goals. Additionally, LM expects to receive approximately 28 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. Site conditions at transfer could vary greatly from site to site, making it challenging to predict the impact on sustainability and resiliency. . LM will monitor impacts and conduct forecasting and adjust its EMS accordingly as new sites are added and scope increases.</p> |

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