

### 2.2 90-DAY LOOK AHEAD

- Provide an annual assessment of the LM/LMS Environmental Management System in February. Three processes will be examined to evaluate implementation of the EMS elements.
- Revise the *Quality Assurance Manual*, incorporating DOE Order 414.1D in March. A major change to the DOE directive is the requirements to choose a national standard as a basis of the QA Program. Stoller has chosen ISO 14001, *Environmental Management System*, because the standard focuses on environmental stewardship.

### 2.3 MAJOR CONCERNS

The 2012 Health and Safety goal of more timely completion of corrective actions did not reach the 80 percent target for this quarter. A renewed focus on corrective action completion was addressed with LMS senior managers. The 2013 Health and Safety goals will continue to focus on completion of corrective actions on time.

## 3.0 ENVIRONMENTAL COMPLIANCE

LMS EC deliverables and regulatory reports were completed on or ahead of schedule, including National Environmental Policy Act (NEPA) documents. In addition, the quarterly regulatory review report of new and upcoming regulations was submitted, and monthly National Pollutant Discharge Elimination System (NPDES) discharge monitoring reports were submitted on or ahead of schedule. Project/Activity Evaluations and Job Safety Analysis reviews were conducted routinely and in a timely fashion to support project work.

### 3.1 KEY ACCOMPLISHMENTS

- Reports delivered:
  - Quarterly Regulatory Review Report.
  - Rocky Flats Quarterly Report of Site Surveillance and Maintenance Activities.
  - Rocky Flats Surface Water Configuration Adaptive Management Plan Third Quarter Calendar Year 2012.
  - 2012 Rocky Flats Annual Mitigation Monitoring Report for the listed threatened Preble's Meadow Jumping Mouse.
  - 2012 Annual Mitigation Monitoring Report for Nationwide Permit #43 for the A-3 and Present Landfill ponds dam breach project.
- Waste management support provided for:
  - Disposal of investigation-derived waste for the Pinellas, Florida, Site.
  - Disposal of debris for building demolition and wastewater treatment plant installation at the Weldon Spring site, including tracking offsite shipment of construction debris and universal wastes; conducted storm water control inspections.

- Facilitated the shipment of approximately 16 tons of U.S. Department of Transportation-regulated hazardous material and low-level radioactive material from the Monticello site for disposal at the Grand Junction disposal site.
- NEPA support provided for:
  - Real Property team meetings and completing NEPA review on six requests for Realty Service forms.
  - A Determination of NEPA Adequacy for a temporary meteorological tower at the Rocky Flats site.
  - An amended checklist for well access at the Bluewater, New Mexico, Site.
  - A checklist for a solar photovoltaic system and routine maintenance at the Tuba City site.
  - Suggested NEPA language for the revised Formerly Utilized Sites Remedial Action Program Plan.
  - A meeting with the Title II team to discuss the role of NEPA in site transitions.
  - An annotated outline for the proposed NEPA handbook, which was provided to LM.
- Miscellaneous Environmental Compliance support:
  - Observed the receipt of 1,200 gallons of sulfuric acid at the Tuba City site. Acid was received safely, without spills, and in accordance with applicable procedures.
  - Coordinated the first-time nomination of an LM site for consideration for a Presidential Migratory Bird Federal Stewardship Award. The Fernald Preserve was nominated for consideration based on site activities that have resulted in improved migratory bird habitat beyond mandated site improvement requirements and that have resulted in the attraction of the site as an important birding area for local birders.
  - Provided a summary of annual water use at the Shiprock and Tuba City sites and the Monument Valley, Arizona, Site to LM for transmittal to the Navajo Nation Water Code Administration.
  - Led the effort to have the NPDES CERCLA Authorization to Discharge modified to eliminate one outfall and a simplified procedure to notify only the local office if there is ever an exceedance of the CERCLA limits to discharge from the Mound, Ohio, groundwater remedy of pump and treat.
  - Provided enough data to justify cessation of rad effluent monitoring at the Mound site, resulting in cost savings of \$55,000 per year.
  - Provided the Bluewater site artesian well drilling project with quick well permit changes, additional permit applications, and timely well abandonment reports by working directly with the New Mexico Office of the State Engineer to ensure transparency through early notifications of necessary changes and clear communication of activities; encouraged regulators to visit the site.

Table 1. Significant Environmental Aspect Targets

Aspect	Target	Performance
1. Land Use	Perform institutional controls surveillances and site inspections at 20 sites.	Inspections were performed at Burrell and Canonsburg, Pennsylvania; Fernald; Grand Junction disposal site; Maxey Flats, Kentucky; Parkersburg, West Virginia; and Weldon Spring.
2. Releases to the Environment	Continue to treat and monitor groundwater at Fernald, Monticello, Mound, Pinellas, Rocky Flats, Shiprock, and Tuba City.	Gallons of groundwater treated during the reporting period: <ul style="list-style-type: none"> <li>• 724,745 at Fernald</li> <li>• 967,803 at Tuba City</li> <li>• 737,000 at Monticello</li> <li>• 4,193,600 at Mound</li> <li>• 0 at Pinellas</li> <li>• 430,371 at Rocky Flats</li> <li>• 3,800,000 at Shiprock</li> </ul>
3. Resource Consumption, Use, and Storage	Promote recycling by holding a “Personal Information Destruction Day” at a minimum of one site.	This activity was discussed at the January WM/P2 <sup>a</sup> meeting and approved by the advocates.
4. Waste Generation and Minimization	Implement “Guidance on Solid Waste and Construction Debris Diversion Strategies”	A draft is scheduled to be out to the team by the end of January.

<sup>a</sup> WM/P2 = waste minimization/pollution prevention

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- Complete Emergency Planning and Community Right to Know Act reporting at required sites.
- Revise EC 400, Universal Waste training.
- Assist in the annual review of general Job Safety Analyses.
- Attend McCoy’s Advanced Waste Management Refresher training.
- Complete Rocky Flats Surface Water Configuration Adaptive Management Plan annual report due February 28, 2013.
- Complete the Federal Archeological and Migratory Bird Questionnaires.

Table 2. Sustainability Team Targets and Initiatives

Team	Targets/Initiatives	Performance (on track to meet, met, not on track to meet)
Energy Efficiency & Scope 1 and 2 Greenhouse Gases Reduction	Increase energy efficiency at Fernald Preserve.	<ul style="list-style-type: none"> <li>On track to meet</li> </ul>
Renewable Energy	Meet renewable energy goal of 7.5% through onsite generation at LM sites.	<ul style="list-style-type: none"> <li>On track to meet</li> </ul>
Sustainable Acquisition	Advance sustainable acquisition by striving for 95% of new contract actions, including task/release and blanket orders, but excluding all credit card purchases, for products and services to be environmentally preferable in accordance with EO13514, (subject to certain qualifications and limitations).	<ul style="list-style-type: none"> <li>On track to meet</li> <li>Met the goals for the first quarter; on track to meet them for the year.</li> </ul>
Waste Minimization & Pollution Prevention & Scope 3 Greenhouse Gas Reduction	<p>Achieve 50% waste diversion for two waste streams: construction and demolition debris, and nonhazardous solid waste.</p> <p>Initiative: Support the continued success of an LM-wide 13% reduction in the generation of Scope 3 greenhouse gas emissions.</p>	<ul style="list-style-type: none"> <li>On track to meet</li> <li>On track to meet</li> </ul>
Vehicle and Fuel Use	Increase the ratio of alternative fuel use to conventional fuel use by 25% compared to the FY 2010 values.	<ul style="list-style-type: none"> <li>Target met with a 111% increase.</li> </ul>
Sustainable Buildings	Develop an occupant training outline that can be filled in on a site-specific basis and as necessary to create an occupant training manual.	<ul style="list-style-type: none"> <li>On track to meet</li> <li>Draft sent out for review and comments.</li> </ul>
Electronic Stewardship	Configure all LM data centers with separate power-metering capability.	<ul style="list-style-type: none"> <li>On track to meet. All sites except Weldon Spring have been configured at no additional charge by using in-place uninterruptible power supplies configured to perform separate metering.</li> </ul>
Land Stewardship	Complete grazing management proposal for the Monticello disposal site with emphasis on habitat improvement, cover performance enhancement, and land reuse acreage.	<ul style="list-style-type: none"> <li>On track to meet.</li> </ul>