



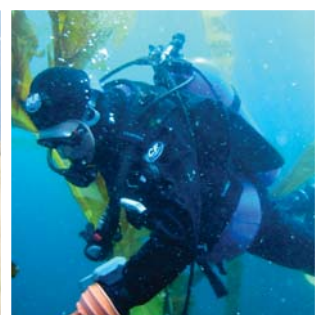
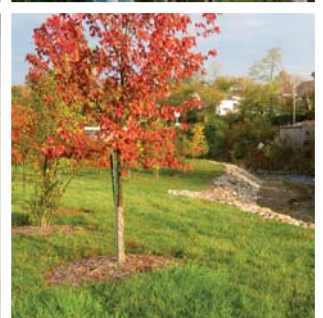
U.S. DEPARTMENT OF  
**ENERGY**

Legacy  
Management

# Site Management Guide

## (Blue Book)

December 2012



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## **1.0 Introduction**

The U.S. Department of Energy (Department) Office of Legacy Management (LM), established in 2003, manages the Department's postclosure responsibilities and ensures the future protection of human health and the environment.

During World War II and the Cold War, the Federal government developed and operated a vast network of industrial facilities for the research, production, and testing of nuclear weapons, as well as other scientific and engineering research. These processes left a legacy of radioactive and chemical waste, environmental contamination, and hazardous facilities and materials at well over 100 sites. Since 1989, the Department has taken an aggressive accelerated cleanup approach to reduce risks and cut costs.

At most Departmental sites undergoing cleanup, some residual hazards will remain at the time cleanup is completed due to financial and technical impracticality. However, the Department still has an obligation to protect human health and the environment after cleanup is completed. LM fulfills DOE's postclosure obligation by providing long-term management of postcleanup sites which do not have continuing missions.

LM is also responsible for sites under the Formerly Utilized Sites Remedial Action Program (FUSRAP). Currently, the U.S. Army Corps of Engineers (USACE) is responsible for site surveys and remediation at FUSRAP sites. Once remediation is completed, LM becomes responsible for long-term management.

LM also has responsibility for uranium processing sites addressed by Title II of the Uranium Mill Tailings Radiation Control Act (UMTRCA). UMTRCA Title II sites are sites that were commercially owned and are regulated under a U.S. Nuclear Regulatory Commission (NRC) license. For license termination, the owner must conduct an NRC-approved cleanup of any on-site radioactive waste remaining from former uranium ore-processing operations. The site owner must also provide full funding for inspections and, if necessary, ongoing maintenance. Once site cleanup is complete, LM accepts title to these sites on behalf of the United States and assumes long-term management.

## **2.0 Purpose**

The main purpose of the *LM Site Management Guide* is to be a reference document for LM and its contractor(s) and to provide accurate and consistent information across the LM organization. The *LM Site Management Guide* Coordinator (LM-20) will update the guide annually. The primary data elements of the *LM Site Management Guide* include the following:

- 1) Site Name and Location (State)
- 2) Pre-LM Name
- 3) Transferring Organization
- 4) Actual Transfer Date [Fiscal Year (FY)]

- 5) Planned Transfer Date (FY)
- 6) Regulatory Driver
- 7) Site Type (Category 1, 2, or 3)

The data elements listed above are under configuration control (see Section 8.0) and cannot be altered without proper approvals. LM will manage and control all *LM Site Management Guide* changes except changes to data regarding the Office of Environmental Management (EM) Closure Sites transferring to LM. Such changes require joint approval by EM-1 and LM-1.

### **3.0 Site Types**

The long-term management of each LM site is designated as one of three types based on the actual or anticipated long-term surveillance and maintenance (LTS&M) activities associated with that site. The site type indicates the level of LTS&M activities that are expected for each site, based on the following categories:

- Category 1 activities typically include records-related activities and stakeholder support
- Category 2 activities typically include routine inspection (any site visit needed to verify the integrity of engineered or institutional barriers) and monitoring/maintenance, records-related activities, and stakeholder support
- Category 3 activities typically include operation and maintenance of active remedial action systems, routine inspection (any site visit needed to verify the integrity of engineered or institutional barriers) and monitoring/maintenance, records-related activities, and stakeholder support

**Note:** For sites that may have multiple categories, the overall category designation will always be the highest of all categories listed for that site. For example: The Salt Lake City, Utah, Disposal/Processing Site is currently counted as one site, but has two types of categories. The Salt Lake City, Utah, Processing (mill site) site is a category 1 site and the Salt Lake City, Utah, Disposal site is a category 2 site. For reporting purposes, this site will have an overall category designation as a category 2 site.

### **4.0 Site Counts**

The *LM Site Management Guide* is the control document for all site count information. The manner in which sites are counted is critical to ensuring LM provides accurate and consistent site count data. It has been determined that each geographic site location will be counted as one site. This also includes geographic site locations having both a former processing site and an associated disposal site. These types of sites will also be counted as one site.

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**Note:** Currently the only exceptions to the site count guidance are two FUSRAP sites in St. Louis, Missouri (St. Louis Airport and St. Louis Airport Vicinity Properties), and the two FUSRAP sites in Niagara Falls, New York (Niagara Falls Storage Site and Niagara Falls Storage Site Vicinity Properties). These four FUSRAP sites are currently counted as four sites due to the fact the USACE managed these sites as four separate sites.

The following represents examples of some UMTRCA sites having both a former processing site and an associated disposal site:

- **Two Gunnison, Colorado, sites count as one site**
  - 1) Gunnison, Colorado, Disposal Site
  - 2) Gunnison, Colorado, Processing Site
  
- **Three Rifle, Colorado, sites count as one site**
  - 1) Rifle, Colorado, Processing (New) Site
  - 2) Rifle, Colorado, Processing (Old) Site
  - 3) Rifle, Colorado, Disposal Site

## **5.0 Site Nomenclature**

The names of many sites that transfer to the LM program are confusing and non-descriptive. In many cases sites have names using the company name of the former operator of the site, or use a geographic name or nickname. LM has established the following guidelines for naming or identifying sites within LM in order to eliminate confusion when trying to identify sites and site locations:

- 1) Eliminate use of company names of current or former operators or property owners.
- 2) When possible, name a site by using the name of the nearest city or town. If multiple sites exist near the same city or town, use a direction name (North, South, East, West) following the city or town name. For example, when two former processing sites are near the same city or town, use a direction name after each site to identify where the site is located in relation to that city or town.

**Note:** LM will receive a few sites that do not have a city or town near the site to use as the site name. In these cases, the sites will retain the current pre-LM name. **Example:** There are no cities or towns near the Salmon, Mississippi, site. “Salmon” is the project name of the site and is not referencing a geographic location; therefore, the Salmon, Mississippi, site will retain the pre-LM site name.

FUSRAP sites pending transfer to LM retain their USACE name (as shown under Pre-LM Name column in Appendix B). Upon transfer, site names will be changed in accordance with LM Site Nomenclature.

LM has also revised several site names for sites that have not yet transferred to LM (mainly associated with UMTRCA Title II sites) for internal management purposes. Until a site officially transfers to LM, the original (pre-LM) site name will be referenced in all outside reporting and data sharing. Appendixes A and B contain both of the sites' pre-LM and LM site names for ease in cross-referencing.

- 3) The name should also include the state where the site is geographically located.
- 4) When applicable the site name should include additional information about the site e.g., processing, disposal, decommissioned reactor. See example below:

Maybell, Colorado, Disposal Site  
Maybell West, Colorado, Disposal Site

## 6.0 Site Transition Policy

This section references the following site transition policy documents:

- **Terms and Conditions between EM and LM** – Outlines proposed terms and conditions for managing and funding site transition activities between EM and LM. The terms and conditions can be located at the following web address:  
[http://www.lm.doe.gov/LTSM/Site\\_Transition\\_Documents.aspx](http://www.lm.doe.gov/LTSM/Site_Transition_Documents.aspx)
- **Site Transition Plan Guidance** – This document provides guidance regarding the development of Site Transition Plans. Site Transition Plan Guidance can be located at the following web address:  
[http://www.lm.doe.gov/LTSM/Site\\_Transition\\_Documents.aspx](http://www.lm.doe.gov/LTSM/Site_Transition_Documents.aspx)
- **Site Transition Framework** – This document provides a framework for all DOE facilities and sites where DOE may have anticipated long-term surveillance and maintenance (LTS&M) responsibilities. The Site Transition Framework can be located at the following web address:  
[http://www.lm.doe.gov/LTSM/Site\\_Transition\\_Documents.aspx](http://www.lm.doe.gov/LTSM/Site_Transition_Documents.aspx)
- **Site Transition Process Upon Cleanup Completion** – This two-page fact sheet outlines LM's policy on various aspects of site transition. This document can be located at the following web address:  
[http://www.lm.doe.gov/Office\\_of\\_Site\\_Operations/Environment\\_Team\\_Functions.aspx](http://www.lm.doe.gov/Office_of_Site_Operations/Environment_Team_Functions.aspx)
- **Site-Specific Fact Sheets** – This is a collection of fact sheets for sites that have transferred to LM. The fact sheets cover the following topics: key milestones; site condition at the time of transfer; transition issues; and information regarding the management and mitigation of programmatic risk. Site-specific information can be acquired from the respective LM site manager, and/or found at the following web address: [http://www.lm.doe.gov/Sites\\_Map.aspx](http://www.lm.doe.gov/Sites_Map.aspx)

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## 7.0 Interrelationship of Site Management Guide Data

All LM federal and contractor staff should recognize the importance of abiding by the *LM Site Management Guide* due to the interrelationship and interdependency between site count data and other LM products, processes, and systems.

Looking at the LM Program and the core functions of planning, budget formulation, budget execution, and evaluation, site count data is clearly found as being a major part of many products. The following are just a few of the products that require current and accurate site count data:

- LM Strategic Plan
- Budget Formulation
- Life-Cycle Planning
- Environmental Liability Estimates
- DOE Performance Measure Management (PMM) System

LM staff should use the *LM Site Management Guide* as the source document when preparing or releasing site count information for Departmental data calls, or to other transferring organizations. All changes or questions associated with the data in this guide should be addressed with the *LM Site Management Guide* Coordinator (LM-20).

## 8.0 Appendixes

The *LM Site Management Guide* data will be reported in the following appendixes:

**Appendix A** – Current LM Site Count Listing. This appendix is a listing of sites in the LM Program.

**Appendix B** – Site Transition Schedule. This appendix represents a schedule of sites planning to transfer to LM during FY 2013 – FY 2050.

**Appendix C** – Planned Site Count by Year. This appendix is a list of sites currently in the LM Program and sites planning to transfer to LM.

**Appendix D** – Current Site Count by State. This appendix is a chart of sites by state currently in the LM Program.

**Appendix E** – LM Site Map. This appendix is a map of sites currently in the LM Program.

**Appendix F** – Site Count by Regulatory Type and Category. This appendix is a chart displaying site counts by Regulatory Type and Category currently in the LM Program.

**Appendix G** – Site Information Summary. This appendix provides a summary for sites that are being managed under LTS&M. It consists of commonly used data points from the DOE Office of Legacy Management Site Overview report (number of wells, number of disposal

cells, and the number of institutional controls) and is grouped by regulatory type. The sites are counted as outlined in Section 4.0 above. Additionally, the summary will reflect prior FY data and site data for the current FY. The site-specific information supporting the summary will be reviewed and updated on an annual basis by DOE and contractor site managers.

**Appendix H** – Land Having Legacy Management LTS&M Activities. This appendix is a chart displaying acreage totals for non-DOE-owned sites/land with rights to conduct activities, DOE-owned (fee simple) land, and withdrawn land (see DOE Office of Legacy Management Site Overview report).

**Appendix I** – Acronyms. This appendix is a list of acronyms used in the *LM Site Management Guide*.



## Appendix A: Current LM Site Count Listing

### LM Site Count Listing Through December 31, 2012

	LM Site Name	Pre-LM Name	Category	Regulatory Driver	Fiscal Year Transfer Date
1	Acid/Pueblo Canyon, NM, Site	Acid/Pueblo Canyon	1	FUSRAP	2004
2	Adrian, MI, Site	General Motors	1	FUSRAP	2004
3	Albany, OR, Site	Albany Research Center	1	FUSRAP	2004
4	Aliquippa, PA, Site	Aliquippa Forge	1	FUSRAP	2004
5	Ambrosia Lake, NM, Disposal Site	Ambrosia Lake	2	UMTRCA Title I	1998
6	Amchitka, AK, Site	Amchitka Island	2	Other	2008
7	Ashtabula, OH, Site	Ashtabula Closure Project	1	Other	2010
8	Bayo Canyon, NM, Site	Bayo Canyon	1	FUSRAP	2004
9	Berkeley, CA, Site	University of California	1	FUSRAP	2004
10	Beverly, MA, Site	Ventron	1	FUSRAP	2004
11	Bluewater, NM, Disposal Site	Bluewater Site	2	UMTRCA Title II	1997
12	BONUS, PR, Decommissioned Reactor, Site	BONUS Reactor	2	D&D	2004
13	Buffalo, NY, Site	Bliss & Laughlin Steel	1	FUSRAP	2002
14	Burrell, PA, Disposal Site	Burrell Site	2	UMTRCA Title I	1994
15	Canonsburg, PA, Disposal Site	Canonsburg Site	2	UMTRCA Title I	1996
16	<b>Center for Energy and Environmental Research, PR, Site</b>	Rio Piedras Site	1	Other	2006
		Mayaquez site			
17	Central Nevada Test Area, NV	Central Nevada Test Area	2	Other	2008
18	Chariot, AK, Site <sup>2</sup>	Chariot Site	2	Other	2005
19	Chicago North, IL, Site	National Guard Armory	1	FUSRAP	2004
20	Chicago South, IL, Site	University of Chicago	1	FUSRAP	2004
21	Chupadera Mesa, NM, Site	Chupadera Mesa	1	FUSRAP	2004
22	Columbus East, OH, Site	B & T Metals	1	FUSRAP	2004
23	Columbus, OH, Site	Columbus Closure Project	1	Other	2008
24	<b>Durango, CO, Disposal/Processing Site</b>	Bodo Canyon Cell	2	UMTRCA Title I	1996
		Durango Mill			
		Raffinate Ponds			
25	Edgemont, SD, Disposal Site	Edgemont Site	2	UMTRCA Title II	1996
26	El Verde, PR, Site	El Verde	1	Other	2006
27	Fairfield, OH, Site	Associate Aircraft	1	FUSRAP	2004
28	Falls City, TX, Disposal Site	Falls City Site	2	UMTRCA Title I	1997
29	Fernald, OH, Site	Fernald Closure Project	3	CERCLA/RCRA	2008
30	Gasbuggy, NM, Site	Gasbuggy Site	2	Other	2008
31	General Atomics Hot Cell Facility, CA, Site	General Atomics	1	Other	2005
32	Geothermal Test Facility, CA, Site	Geothermal Test Facility	1	Other	2005
33	Gnome-Coach, NM, Site	Gnome-Coach	2	Other	2008
34	<b>Grand Junction, CO, Disposal/Processing Site</b>	Cheney Disposal Cell	3	UMTRCA Title I	1999
		Grand Junction Mill 1			
35	Grand Junction, CO, Site	Grand Junction Mill 2	2	D&D	2002
36	Granite City, IL, Site	Granite City Steel	1	FUSRAP	2004
37	Green River, UT, Disposal Site	Green River Site	2	UMTRCA Title I	1998
38	<b>Gunnison, CO, Disposal/Processing Site</b>	Gunnison Disposal Cell	2	UMTRCA Title I	1997
		Gunnison Mill			
39	Hallam, NE, Decommissioned Reactor, Site	Hallam Nuclear Power Facility	2	D&D	1998
40	Hamilton, OH, Site	Herring-Hall-Marvin Safe Co.	1	FUSRAP	2004
<b>Continued on next page</b>					

## Appendix A: LM Site Count Listing (continued)

### LM Site Count Listing Through December 31, 2012

	LM Site Name	Pre-LM Name	Category	Regulatory Driver	Fiscal Year Transfer Date
41	Indian Orchard, MA, Site	Chapman Valve	1	FUSRAP	2004
42	Inhalation Toxicology Laboratory, NM, Site <sup>3</sup>	Lovelace Respiratory Research Institute	2	Other	2012
43	Jersey City, NJ, Site	Kellex/Pierpont	1	FUSRAP	2004
44	Laboratory for Energy Related Health Research, CA, Site	Laboratory for Energy Related Health Research	2	CERCLA/RCRA	2006
45	Lakeview, OR, Disposal/Processing Site	Lakeview Site	2	UMTRCA Title I	1995
		Lakeview Mill			
46	L-Bar, NM, Disposal Site	SOHIO – LBAR Site	2	UMTRCA Title II	2004
47	Lowman, ID, Disposal Site	Lowman Site	2	UMTRCA Title I	1994
48	Madison, IL, Site	Madison	1	FUSRAP	2002
49	Maxey Flats, KY, Disposal Site	Maxey Flats Disposal Site	1	CERCLA/RCRA	2004
50	Maybell, CO, Disposal Site	Maybell Mill Site	2	UMTRCA Title I	1999
51	Maybell West, CO, Disposal Site	UMETCO – Maybell Site 2	2	UMTRCA Title II	2010
52	Mexican Hat, UT, Disposal Site	Mexican Hat Site	2	UMTRCA Title I	1997
53	Middlesex North, NJ, Site <sup>4</sup>	Middlesex Municipal Landfill	1	FUSRAP	2004
54	Missouri University Research Reactor, MO, Site	MURR	1	Other	2005
55	Monticello, UT, Disposal and Processing Sites	Monticello Mill Site and Vicinity Properties	3	CERCLA/RCRA	2002
56	Monument Valley, AZ, Processing Site	Monument Valley Site	2	UMTRCA Title I	1997
57	Mound, OH, Site <sup>3</sup>	Miamisburg Closure Project	3	CERCLA/RCRA	2012
58	Naturita, CO, Disposal/Processing Site	Naturita Site	2	UMTRCA Title I	1999
		Naturita Mill			
59	New Brunswick, NJ, Site	New Brunswick Site	2	FUSRAP	2004
60	New York, NY, Site	Baker and Williams Warehouses	1	FUSRAP	2004
61	Niagara Falls Vicinity Properties, NY, Site	Niagara Falls Storage Site Vicinity Properties	1	FUSRAP	2004
62	Oak Ridge, TN, Warehouses Site	Elza Gate	1	FUSRAP	2004
63	Oxford, OH, Site	Alba Craft Laboratories	1	FUSRAP	2004
64	Oxnard, CA, Site	Oxnard Site	1	Other	2008
65	Parkersburg, WV, Disposal Site	Parkersburg Site	2	Other	1994
66	Pinellas County, FL, Site	Pinellas STAR Center	3	CERCLA/RCRA	2004
67	Piqua, OH, Decommissioned Reactor, Site	Piqua Nuclear Power Facility	2	D&D	1998
68	Rifle, CO, Disposal/Processing Site	Rifle (New) Mill	2	UMTRCA Title I	1998
		Rifle (Old) Mill			
		Estes Gulch Disposal Cell			
69	Rio Blanco, CO, Site	Rio Blanco	2	Other	2008
70	Riverton, WY, Processing Site	Riverton Site	2	UMTRCA Title I	1991
71	Rocky Flats, CO, Site	Rocky Flats Closure Project	3	CERCLA/RCRA	2008
72	Rulison, CO, Site	Rulison	2	Other	2008
73	Salmon, MS, Site	Salmon Site	2	Other	2008
74	Salt Lake City, UT, Disposal/Processing Site	South Clive Disposal Cell	2	UMTRCA Title I	1997
		Salt Lake City Mill			
<i>Continued on next page</i>					

## Appendix A: LM Site Count Listing (continued)

### LM Site Count Listing Through December 31, 2012

	LM Site Name	Pre-LM Name	Category <sup>1</sup>	Regulatory Driver	Fiscal Year Transfer Date
75	Seymour, CT, Site	Seymour Specialty Wire	1	FUSRAP	2004
76	Sherwood, WA, Disposal Site	WNI – Sherwood Site	2	UMTRCA Title II	2001
77	Shiprock, NM, Disposal Site	Shiprock Site	3	UMTRCA Title I	1996
78	Shirley Basin South, WY, Disposal Site	Petrotomics - Shirley Basin 1	2	UMTRCA Title II	2005
79	Shoal, NV, Site	Project Shoal	2	Other	2008
80	Site A / Plot M, IL, Decommissioned Reactor, Site	Palos Forest (Site A/Plot M) Preserve	2	D&D	1998
81	Slick Rock, CO, Disposal/Processing Site	Slick Rock (North Continent) Mill 1	2	UMTRCA Title I	1998
		Slick Rock (Union Carbide) Mill 2			
		Burro Canyon Disposal Cell			
82	Spook, WY, Disposal Site	Spook Site	2	UMTRCA Title I	1993
83	Springdale, PA, Site	C.H. Schnorr	1	FUSRAP	2004
84	Toledo, OH, Site	Baker Brothers	1	FUSRAP	2004
85	Tonawanda North, NY, Site Unit 1	Ashland Oil #1	1	FUSRAP	2009
86	Tonawanda North, NY, Site Unit 2	Ashland Oil #2	1	FUSRAP	2009
87	Tuba City, AZ, Disposal Site	Tuba City Site	3	UMTRCA Title I	1996
88	Wayne, NJ, Site	Wayne Site	2	FUSRAP	2007
89	Weldon Spring, MO, Site	Weldon Spring Site	3	CERCLA/RCRA	2003
<b>Total</b>					<b>89</b>

**Notes:**

<sup>1</sup> Category 1: Activities typically include records-related activities and stakeholder support.

Category 2: Activities typically include routine inspection (any site visit needed to verify the integrity of engineered or institutional barriers) and monitoring/maintenance, records-related activities, and stakeholder support.

Category 3: Activities typically include operation and maintenance of active remedial action systems, routine inspection (any site visit needed to verify the integrity of engineered or institutional barriers) and monitoring/maintenance, records-related activities, and stakeholder support.

<sup>2</sup> December 2012 – The Chariot, AK, Site has been reclassified from a category 1 to a category 2 site due to the need to close additional boreholes and cleanup of some petroleum contaminated soil at the site. The site will revert to a category 1 site once remediation is formally acknowledged as complete by the Alaska Department of Environmental Conservation.

<sup>3</sup> The Mound, OH, and Inhalation Toxicology Laboratory, NM, Sites have transferred to LM; however, real property assets have yet to be transferred and remain in the preliminary stages of transition as of December 2012.

<sup>4</sup> The Middlesex North, NJ, Site has been referred to USACE for additional assessment. If FUSRAP-related radiological contamination is found, responsibility for site protectiveness will transfer to USACE while remediation is conducted. The site would transition back to LM for LTS&M when remediation is complete.

## Appendix B: Site Transition Schedule

### Sites Planning to Transfer in FY 2013

	LM Site Name	Pre-LM Name	Category <sup>1</sup>	Transferring Organization	Regulatory Driver
The 3 sites below are planned for transfer between January 1, 2013 and September 30, 2013.					
1	Gas Hills East, WY, Disposal Site	UMETCO – Gas Hills Site	2	Private License	UMTRCA Title II
2	General Electric Vallecitos Nuclear Center, CA, Site	General Electric Vallecitos Nuclear Center	1	EM	Other
3	Split Rock, WY, Disposal Site	WNI – Split Rock Site	2	Private License	UMTRCA Title II
				<b>Total</b>	<b>3</b>
				<b>Cumulative</b>	<b>92</b>

### Sites Planning to Transfer in FY 2014

	LM Site Name	Pre-LM Name	Category <sup>1</sup>	Transferring Organization	Regulatory Driver
1	Attleboro, MA, Site	Shpack Landfill (sometimes referred to as Norton, MA)	2	USACE	FUSRAP
2	<b>Bear Creek, WY, Disposal Site</b>	<b>Union Pacific – Bear Creek Site</b>	<b>2</b>	<b>Private License</b>	<b>UMTRCA Title II</b>
3	<b>Durita, CO, Disposal Site</b>	<b>HECLA – Durita Site</b>	<b>2</b>	<b>Private License</b>	<b>UMTRCA Title II</b>
4	Painesville, OH, Site	Painesville	1	USACE	FUSRAP
5	Panna Maria, TX, Disposal Site	Chevron – Panna Maria Site	2	Private License	UMTRCA Title II
6	Uravan, CO, Disposal Site	UMETCO – Uravan Site	2	Private License	UMTRCA Title II
				<b>Total</b>	<b>6</b>
				<b>Cumulative</b>	<b>98</b>

### Sites Planning to Transfer in FY 2015

	LM Site Name	Pre-LM Name	Category <sup>1</sup>	Transferring Organization	Regulatory Driver
1	Combustion Engineering, CT, Site	CE, Combustion Engineering	2	USACE	FUSRAP
2	<b>Gas Hills North, WY, Disposal Site</b>	<b>Pathfinder – Lucky Mc Site</b>	<b>2</b>	<b>Private License</b>	<b>UMTRCA Title II</b>
3	<b>Mercury Storage Facility (interim name)</b>	<b>Mercury Storage Facility</b>	<b>3</b>	<b>EM</b>	<b>RCRA</b>
4	Ray Point, TX, Disposal Site	Exxon – Ray Point Site	2	Private License	UMTRCA Title II
				<b>Total</b>	<b>4</b>
				<b>Cumulative</b>	<b>102</b>

### Sites Planning to Transfer in FY 2016

	LM Site Name	Pre-LM Name	Category <sup>1</sup>	Transferring Organization	Regulatory Driver
1	<b>Highland, WY, Disposal Site</b>	<b>Exxon – Highland Site</b>	<b>2</b>	<b>Private License</b>	<b>UMTRCA Title II</b>
2	Lisbon Valley, UT, Disposal Site	Rio Algom – Lisbon Valley Site	2	Private License	UMTRCA Title II
				<b>Total</b>	<b>2</b>
				<b>Cumulative</b>	<b>104</b>

### Sites Planning to Transfer in FY 2017

	LM Site Name	Pre-LM Name	Category <sup>1</sup>	Transferring Organization	Regulatory Driver
1	Colonie, NY, Site <sup>2</sup>	Colonie	2	USACE	FUSRAP
2	Conquista, TX, Disposal Site	Conoco – Conquista Site	2	Private License	UMTRCA Title II
3	Latty Avenue Properties, MO, Site	Hazelwood Interim Storage Site/Latty Ave.	2	USACE	FUSRAP
4	St. Louis Airport, MO, Site	St. Louis Airport Site	2	USACE	FUSRAP
5	St. Louis Airport Vicinity Properties, MO, Site	St. Louis Airport Site Vicinity Properties	2	USACE	FUSRAP
6	St. Louis Downtown, MO, Site	St. Louis Downtown Site	2	USACE	FUSRAP
7	W. R. Grace Co., MD, Site	W.R. Grace and Company	2	USACE	FUSRAP
				<b>Total</b>	<b>7</b>
				<b>Cumulative</b>	<b>111</b>

### Sites Planning to Transfer in FY 2018

	LM Site Name	Pre-LM Name	Category <sup>1</sup>	Transferring Organization	Regulatory Driver
1	Linde Air Products Division, NY, Site	Linde Air Products (Tonawanda)	2	USACE	FUSRAP
2	Sequoyah Fuels, OK, Disposal Site	Sequoyah Fuels Site	2	Private License	UMTRCA Title II
				<b>Total</b>	<b>2</b>
				<b>Cumulative</b>	<b>113</b>

## Appendix B: Site Transition Schedule (continued)

### Sites Planning to Transfer in FY 2019

	LM Site Name	Pre-LM Name	Category <sup>1</sup>	Transferring Organization	Regulatory Driver
1	Energy Technology Engineering Center, CA, Site	Energy Technology Engineering Center	1	EM	Other
2	Guterl Specialty Steel, NY, Site <sup>3</sup>	Guterl Specialty Steel Corp	1	USACE	FUSRAP
3	Harshaw Chemical Company, OH, Site <sup>3</sup>	Harshaw Chemical Company	2	USACE	FUSRAP
4	Iowa Army Ammunition Plant, IA, Site	Iowa Army Ammunition Plant	2	USACE	FUSRAP
5	Joslyn Manufacturing & Supply Company, IN, Site <sup>3</sup>	Joslyn Manufacturing & Supply Company	1	USACE	FUSRAP
6	Superior Steel, PA, Site <sup>3</sup>	Superior Steel	1	USACE	FUSRAP
7	Sylvania-Corning, NY, Site <sup>3</sup>	Sylvania-Corning Plant Site	1	USACE	FUSRAP
				<b>Total</b>	<b>7</b>

**Cumulative 120**

### Sites Planning to Transfer in FY 2020

	LM Site Name	Pre-LM Name	Category <sup>1</sup>	Transferring Organization	Regulatory Driver
1	Ambrosia Lake West, NM, Disposal Site	Rio Algom – Ambrosia Lake Site 2	2	Private License	UMTRCA Title II
2	Church Rock, NM, Disposal Site	<b>General Electric/United Nuclear Corporation – Church Rock Site</b>	2	Private License	UMTRCA Title II
3	E.I. Du Pont, NJ, Site	DuPont & Company	2	USACE	FUSRAP
4	Gas Hills West, WY, Disposal Site	ANC – Gas Hills Site	2	Private License	UMTRCA Title II
5	Niagara Falls Storage Site, NY <sup>2 3</sup>	Niagara Falls Storage Site	2	USACE	FUSRAP
6	Staten Island Warehouse, NY, Site <sup>3</sup>	Richmond Terrace, NY	1	USACE	FUSRAP
				<b>Total</b>	<b>6</b>

**Cumulative 126**

### Sites Planning to Transfer in FY 2021

	LM Site Name	Pre-LM Name	Category <sup>1</sup>	Transferring Organization	Regulatory Driver
1	Middlesex Sampling Plant, NJ, Site <sup>2 3</sup>	Middlesex Sampling Plant	2	USACE	FUSRAP
				<b>Total</b>	<b>1</b>

**Cumulative 127**

### Sites Planning to Transfer in FY 2022

	LM Site Name	Pre-LM Name	Category <sup>1</sup>	Transferring Organization	Regulatory Driver
1	Ford, WA, Disposal Site	Dawn – Ford Site	2	Private License	UMTRCA Title II
2	Grants, NM, Disposal Site	Homestake – Grants Site	2	Private License	UMTRCA Title II
				<b>Total</b>	<b>2</b>

**Cumulative 129**

### Sites Planning to Transfer in FY 2024

	LM Site Name	Pre-LM Name	Category <sup>1</sup>	Transferring Organization	Regulatory Driver
1	Maywood, NJ, Site <sup>2</sup>	Maywood Chemical Works	2	USACE	FUSRAP
				<b>Total</b>	<b>1</b>

**Cumulative 130**

### Sites Planning to Transfer in FY 2025

	LM Site Name	Pre-LM Name	Category <sup>1</sup>	Transferring Organization	Regulatory Driver
1	Parks Township Shallow Land Disposal Area, PA, Site	Parks Township – SLDA	1	USACE	FUSRAP
2	Seaway Industrial Park, NY, Site	Seaway Industrial Park	2	USACE	FUSRAP
				<b>Total</b>	<b>2</b>

**Cumulative 132**

## Appendix B: Site Transition Schedule (continued)

### Sites Planning to Transfer in FY 2027 - 2050

	LM Site Name	Pre-LM Name	Category <sup>1</sup>	Transferring Organization	Regulatory Driver	Planned Transfer
1	Luckey, OH, Site	Luckey	2	USACE	FUSRAP	2027
2	Moab, UT, Site	Atlas – Moab Mill	3	EM	UMTRCA Title I	2029
3	West Valley, NY, Site	West Valley Demonstration Project	1	EM	CERCLA/RCRA	2040
4	Paducah, KY, Site	Paducah Gaseous Diffusion Plant	2	EM	CERCLA/RCRA	2041
5	Portsmouth, OH, Site	Portsmouth Gaseous Diffusion Plant	2	EM	CERCLA/RCRA	2045
6	Canon City, CO, Disposal Site	Cotter – Canon City Site	2	Private License	UMTRCA Title II	2047
7	Salt Lake City 11e.(2), UT, Disposal Site	11e(2) Disposal Site	2	Private License	UMTRCA Title II	2047
8	Shirley Basin North, WY, Disposal Site	Pathfinder – Shirley Basin Site 2	2	Private License	UMTRCA Title II	2047
9	Shootaring Canyon, UT, Disposal Site	Plateau Shootaring Canyon Site	2	Private License	UMTRCA Title II	2047
10	Sweetwater, WY, Disposal Site	Kennecott Sweetwater Site	2	Private License	UMTRCA Title II	2047
11	White Mesa, UT, Disposal Site	EFN – White Mesa Site	2	Private License	UMTRCA Title II	2047
12	Andrews 11e.(2), TX, Disposal Site	WCS Federal Waste Facility	2	Private License	UMTRCA Title II	2050
Total					12	
<b>Cumulative</b>					<b>144</b>	

<sup>1</sup> Category 1: Activities typically include records-related activities and stakeholder support.

Category 2: Activities typically include routine inspection (any site visit needed to verify the integrity of engineered or institutional barriers) and monitoring/maintenance, records-related activities, and stakeholder support.

Category 3: Activities typically include operation and maintenance of active remedial action systems, routine inspection (any site visit needed to verify the integrity of engineered or institutional barriers) and monitoring/maintenance, records-related activities, and stakeholder support.

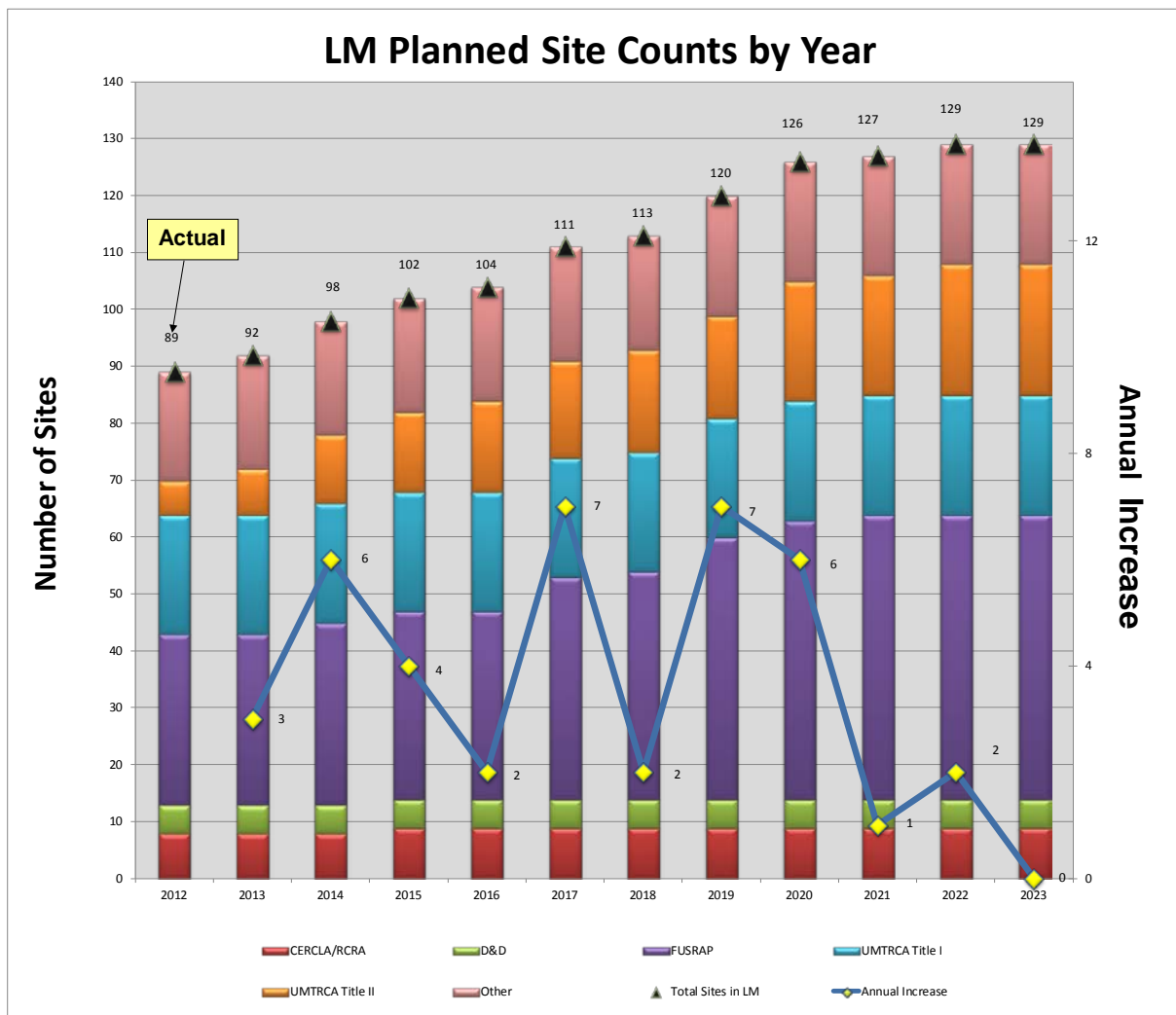
<sup>2</sup> The DOE Office of Legacy Management is the owner of record at the following FUSRAP sites: Colonie, NY; Maywood, NJ; Middlesex Sampling Plant (Middlesex South); and Niagara Falls Storage Site, NY. The U.S. Army Corps of Engineers is responsible for protectiveness at these sites until remedial action is completed and DOE-LM assumes LTS&M responsibility for the sites.

<sup>3</sup> Completion date assumed for out-year planning. Actual remedial action completion date not yet scheduled by USACE.

## Appendix C: Planned Site Count by Year

BY END OF FISCAL YEAR

	Actual	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned
Site	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
CERCLA/RCRA	8	8	8	9	9	9	9	9	9	9	9	9
D&D	5	5	5	5	5	5	5	5	5	5	5	5
FUSRAP	30	30	32	33	33	39	40	46	49	50	50	50
UMTRCA Title I	21	21	21	21	21	21	21	21	21	21	21	21
UMTRCA Title II	6	8	12	14	16	17	18	18	21	21	23	23
Other	19	20	20	20	20	20	20	21	21	21	21	21
<b>Total</b>	<b>89</b>	<b>92</b>	<b>98</b>	<b>102</b>	<b>104</b>	<b>111</b>	<b>113</b>	<b>120</b>	<b>126</b>	<b>127</b>	<b>129</b>	<b>129</b>
<b>Annual Increase</b>		<b>3</b>	<b>6</b>	<b>4</b>	<b>2</b>	<b>7</b>	<b>2</b>	<b>7</b>	<b>6</b>	<b>1</b>	<b>2</b>	<b>0</b>



## Appendix D: Current Site Count by State

### State Site Counts as of December 31, 2012

	State	CAT 1	CAT 2	CAT 3	# of Sites
1	Alaska <sup>1</sup>		2		2
2	Arizona <sup>2</sup>		1	1	2
3	California	4	1		5
4	Colorado		10	2	12
5	Connecticut	1			1
6	Florida			1	1
7	Idaho		1		1
8	Illinois	4	1		5
9	Kentucky	1			1
10	Massachusetts	2			2
11	Michigan	1			1
12	Mississippi		1		1
13	Missouri	1		1	2
14	Nebraska		1		1
15	Nevada		2		2

	State	CAT 1	CAT 2	CAT 3	# of Sites
16	New Jersey	2	2		4
17	New Mexico <sup>3</sup>	3	6	1	10
18	New York	5			5
19	Ohio	7	1	2	10
20	Oregon	1	1		2
21	Pennsylvania	2	2		4
22	South Dakota		1		1
23	Tennessee	1			1
24	Texas		1		1
25	Utah <sup>4</sup>		3	1	4
26	Washington <sup>5</sup>		1		1
27	West Virginia		1		1
28	Wyoming		3		3
	Puerto Rico	2	1		3
	<b>TOTAL</b>	<b>37</b>	<b>43</b>	<b>9</b>	<b>89</b>

Category 1: Activities typically include records-related activities and stakeholder support.

Category 2: Activities typically include routine inspection (any site visit needed to verify the integrity of engineered or institutional barriers) and monitoring/maintenance, records-related activities, and stakeholder support.

Category 3: Activities typically include operation and maintenance of active remedial action systems, routine inspection (any site visit needed to verify the integrity of engineered or institutional barriers) and monitoring/maintenance, records-related activities, and stakeholder support.

#### Sites Located on Tribal Land

<sup>1</sup>Amchitka, AK, Site resides on Aleut Tribal Land.

<sup>2</sup>Monument Valley, AZ, Site resides on Navajo Tribal Land. Tuba City, AZ, Site resides on Navajo and Hopi Tribal Land.

<sup>3</sup>Shiprock, NM, Site resides on Navajo Tribal Land.

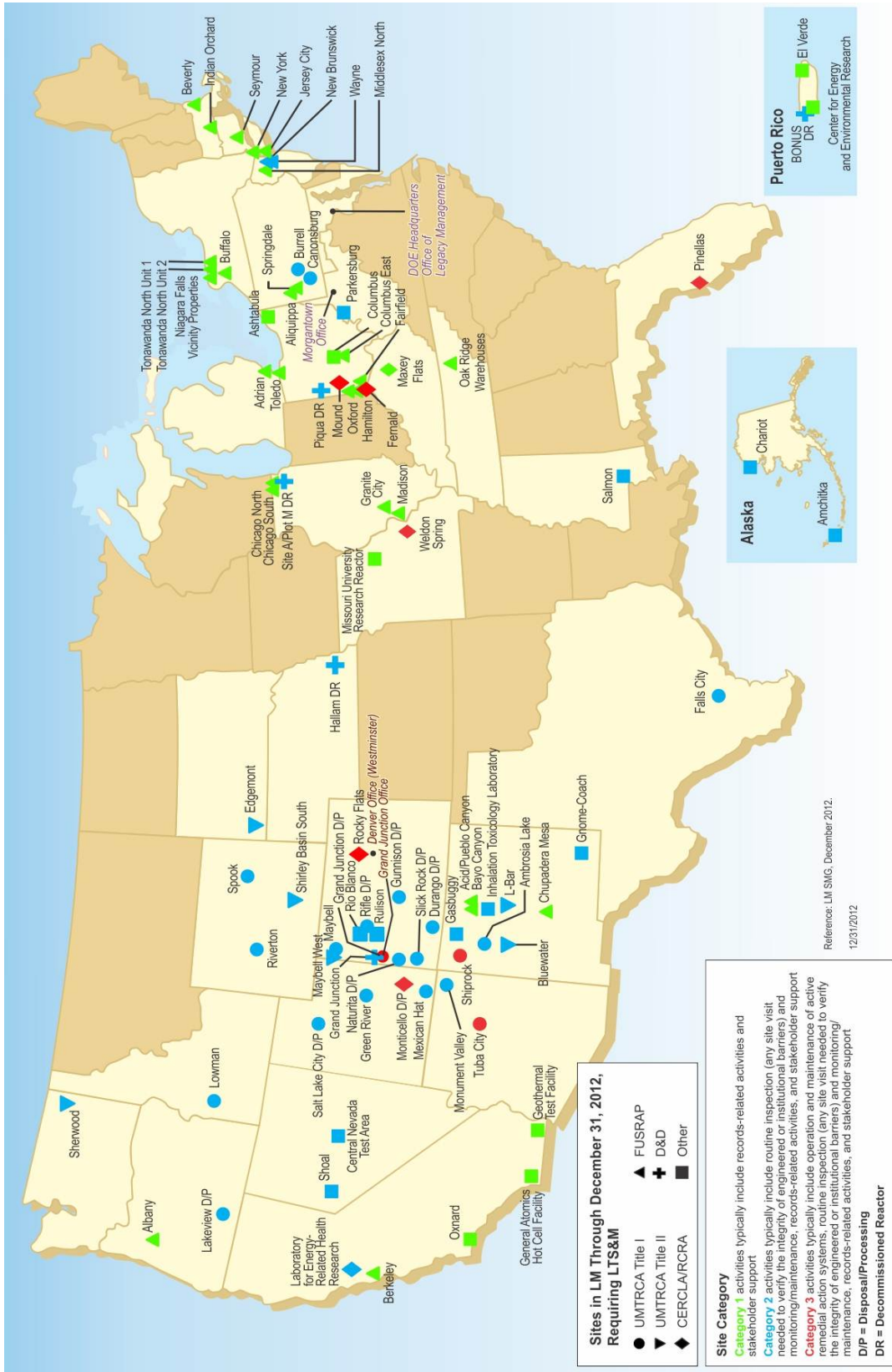
<sup>4</sup>Mexican Hat, UT, Site resides on Navajo Tribal Land.

<sup>5</sup>Sherwood, WA, Site resides on Spokane Tribal Land.



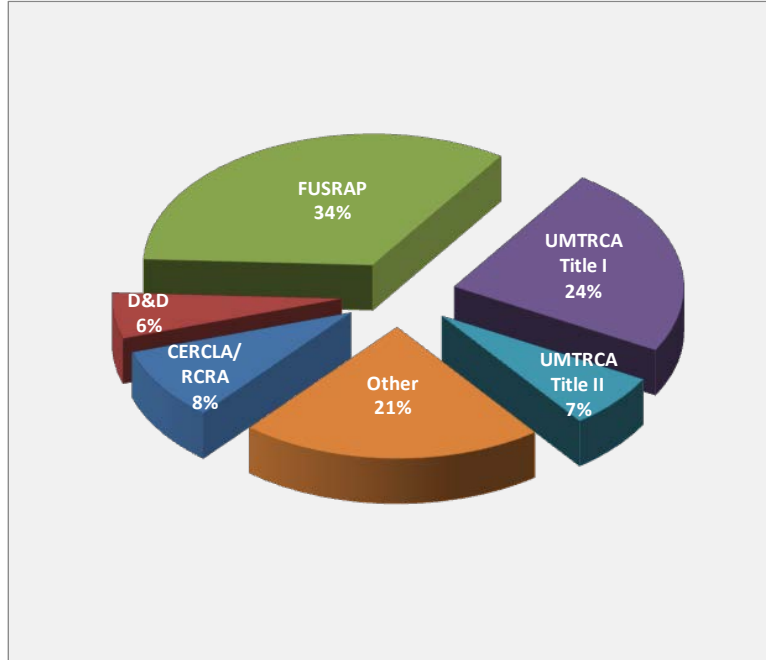
## Appendix E: LM Site Map – as of December 31, 2012

**Note:** Map is only a representation and may not be to actual scale.

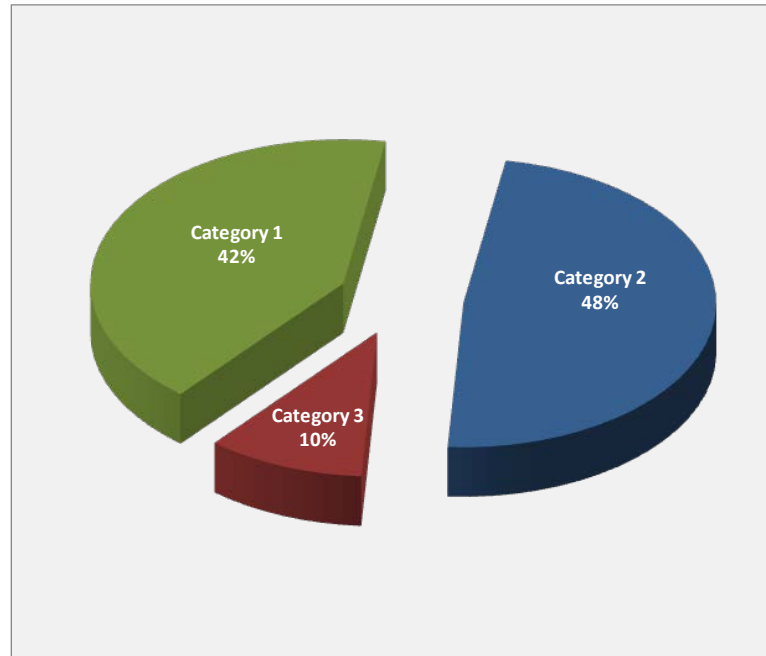


## Appendix F: Site Count by Regulatory Type and Category

Type	Actual Through December 2012
CERCLA/RCRA	8
D&D	5
FUSRAP	30
UMTRCA Title I	21
UMTRCA Title II	6
Other	19
<b>TOTAL</b>	<b>89</b>



Sites by Category	Actual Through December 2012
Category 1	37
Category 2	43
Category 3	9
<b>TOTAL</b>	<b>89</b>



**Category 1:** Activities typically include records-related activities and stakeholder support.

**Category 2:** Activities typically include routine inspection (any site visit needed to verify the integrity of engineered or institutional barriers) and monitoring/maintenance, records-related activities, and stakeholder support.

**Category 3:** Activities typically include operation and maintenance of active remedial action systems, routine inspection (any site visit needed to verify the integrity of engineered or institutional barriers) and monitoring/maintenance, records-related activities, and stakeholder support.

## Appendix G: Site Information Summary

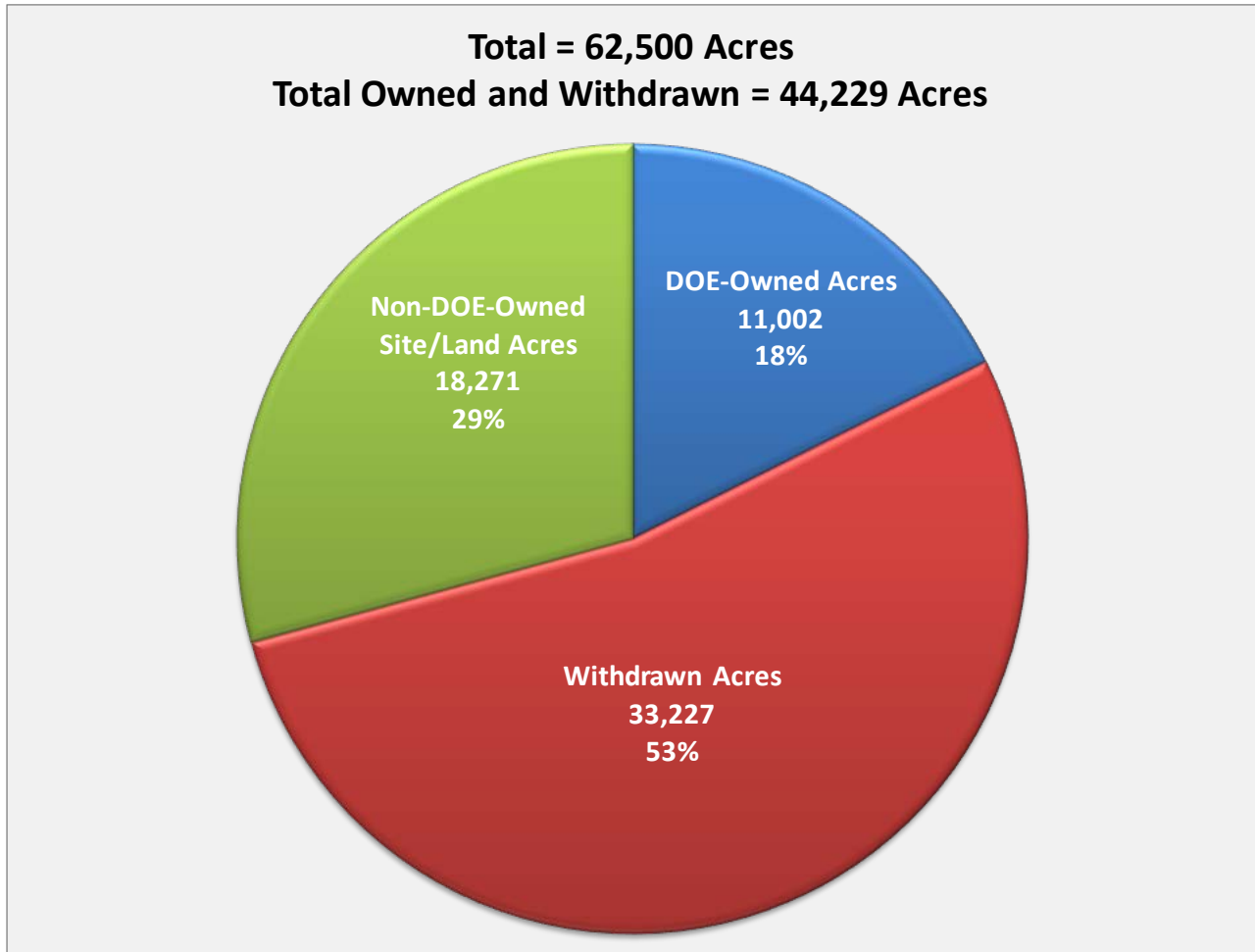
### LM-20 Office of Site Operations Site Information Summary **as of December 31, 2012** FY 2012 and FY 2013<sup>1</sup>

Type of Site	Number of Sites		Number of Wells		Number of Disposal Cells/Systems <sup>2</sup>		Institutional Controls (Yes or No)	
	2012	2013	2012	2013	2012	2013	2012	2013
CERCLA/RCRA Sites	8	8	1,012	1,027	5	5	Yes (7 sites)	Yes (7 sites)
D&D Sites	5	5	54	54	3	3	Yes (5 sites)	Yes (5 sites)
FUSRAP Sites	30	30	0	0	0	0	Yes (2 sites)	Yes (2 sites)
UMTRCA Title I Sites	21	21	764	781	19	19	Yes (21 sites)	Yes (21 sites)
UMTRCA Title II Sites	6	6	41	41	7	7	Yes (6 sites)	Yes (6 sites)
Other Sites	19	19	93	93	10	10	Yes (10 sites)	Yes (10 sites)
<b>TOTALS</b>	<b>89</b>	<b>89</b>	<b>1,964</b>	<b>1,996</b>	<b>44</b>	<b>44</b>		
<b>INCREASE/(DECREASE)</b>		<b>0</b>		<b>32</b>		<b>0</b>		

<sup>1</sup> FY 2012 is prior fiscal year LM managed site information while FY 2013 reflects actuals to date.

<sup>2</sup> Disposal Cells/Systems planned are counted individually, may be counted as systems upon transition.

## Appendix H: Land Having Legacy Management LTS&M Activities – as of December 31, 2012



### DOE-Owned (Fee Simple)

Withdrawn (Includes 25,545 acres withdrawn for uranium/vanadium mining, of which roughly 700 acres will be used. BLM manages all other surface uses.)

Non-DOE-Owned Site/Land with Rights to Conduct Activities (e.g., surface/soil or groundwater restrictions, environmental monitoring, maintenance, inspections)

Note: The fee land and wells for the Bear Creek and Gas Hills North, WY, sites have transferred to DOE, but the Title II private license has not been terminated. These sites are not yet under the DOE general license. LM is the owner of record at the following FUSRAP sites: Colonie, NY; Maywood, NJ; Middlesex Sampling Plant (Middlesex South); and Niagara Falls Storage Site, NY. The USACE is responsible for protectiveness at these sites until remedial action is completed and LM assumes LTS&M responsibility for the sites.

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## Appendix I: Acronyms

Comprehensive Environmental Response, Compensation, and Liability Act	CERCLA
Decontamination and Decommissioning	D&D
U.S. Department of Energy	Department or DOE
Fiscal Year	FY
Formerly Utilized Sites Remedial Action Program	FUSRAP
Long-Term Surveillance and Maintenance	LTS&M
U.S. Nuclear Regulatory Commission	NRC
Office of Environmental Management	EM
Office of Legacy Management	LM
Resource Conservation and Recovery Act	RCRA
Uranium Mill Tailings Radiation Control Act	UMTRCA
U.S. Army Corps of Engineers	USACE