



U.S. DEPARTMENT OF
ENERGY

Legacy
Management

Site Management Guide

(Blue Book)

December 2013



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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.

Note: Currently the only exceptions to the site count guidance are two FUSRAP sites in Berkeley, Missouri (Berkeley Site and Berkeley Site 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
- **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
- **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
- **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
- **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

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 2014 – 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 during the next ten years.

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 year data and site data for the current year. 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, 2013

	LM Site Name	Pre-LM Name	Category ¹	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	Albuquerque, NM, Site	Inhalation Toxicology Laboratory	1	Other	2012
5	Aliquippa, PA, Site	Aliquippa Forge	1	FUSRAP	2004
6	Ambrosia Lake, NM, Disposal Site	Ambrosia Lake	2	UMTRCA Title I	1998
7	Amchitka, AK, Site	Amchitka Island	2	Other	2008
8	Ashtabula, OH, Site	Ashtabula Closure Project	1	Other	2010
9	Bayo Canyon, NM, Site	Bayo Canyon	1	FUSRAP	2004
10	Berkeley, CA, Site	University of California	1	FUSRAP	2004
11	Beverly, MA, Site	Ventron	1	FUSRAP	2004
12	Bluewater, NM, Disposal Site	Bluewater Site	2	UMTRCA Title II	1997
13	BONUS, PR, Decommissioned Reactor Site	BONUS Reactor	2	D&D	2004
14	Buffalo, NY, Site	Bliss & Laughlin Steel	1	FUSRAP	2002
15	Burrell, PA, Disposal Site	Burrell Site	2	UMTRCA Title I	1994
16	Canonsburg, PA, Disposal Site	Canonsburg Site	2	UMTRCA Title I	1996
17	Center for Energy and Environmental Research, PR, Site	Rio Piedras Site	1	Other	2006
		Mayaguez site			
18	Central Nevada Test Area, NV	Central Nevada Test Area	2	Other	2008
19	Chariot, AK, Site ²	Chariot Site	2	Other	2005
20	Chicago North, IL, Site	National Guard Armory	1	FUSRAP	2004
21	Chicago South, IL, Site	University of Chicago	1	FUSRAP	2004
22	Chupadera Mesa, NM, Site	Chupadera Mesa	1	FUSRAP	2004
23	Columbia, MO, Site	Missouri University Research Reactor	1	Other	2005
24	Columbus East, OH, Site	B & T Metals	1	FUSRAP	2004
25	Columbus, OH, Site	Columbus Closure Project	1	Other	2008
26	Davis, CA, Site	Laboratory for Energy Related Health Research	2	CERCLA/RCRA	2006
27	Durango, CO, Disposal/Processing Site	Bodo Canyon Cell	2	UMTRCA Title I	1996
		Durango Mill			
		Raffinate Ponds			
28	Edgemont, SD, Disposal Site	Edgemont Site	2	UMTRCA Title II	1996
29	El Verde, PR, Site	El Verde	1	Other	2006
30	Fairfield, OH, Site	Associate Aircraft	1	FUSRAP	2004
31	Falls City, TX, Disposal Site	Falls City Site	2	UMTRCA Title I	1997
32	Fernald, OH, Site	Fernald Closure Project	3	CERCLA/RCRA	2008
33	Gasbuggy, NM, Site	Gasbuggy Site	2	Other	2008
34	Gnome-Coach, NM, Site	Gnome-Coach	2	Other	2008
35	Grand Junction, CO, Disposal/Processing Site	Cheney Disposal Cell	3	UMTRCA Title I	1999
		Grand Junction Mill 1			
36	Grand Junction, CO, Site	Grand Junction Mill 2	2	D&D	2002
37	Granite City, IL, Site	Granite City Steel	1	FUSRAP	2004
38	Green River, UT, Disposal Site	Green River Site	2	UMTRCA Title I	1998
39	Gunnison, CO, Disposal/Processing Site	Gunnison Disposal Cell	2	UMTRCA Title I	1997
		Gunnison Mill			
40	Hallam, NE, Decommissioned Reactor Site	Hallam Nuclear Power Facility	2	D&D	1998
41	Hamilton, OH, Site	Herring-Hall-Marvin Safe Co.	1	FUSRAP	2004
<i>Continued on next page</i>					

Appendix A: LM Site Count Listing (continued)

LM Site Count Listing Through December 31, 2013

	LM Site Name	Pre-LM Name	Category	Regulatory Driver	Fiscal Year Transfer Date
42	Imperial Valley, CA, Site	Geothermal Test Facility	1	Other	2005
43	Indian Orchard, MA, Site	Chapman Valve	1	FUSRAP	2004
44	Jersey City, NJ, Site	Kellex/Pierpont	1	FUSRAP	2004
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	Miamisburg, OH, Site³	Miamisburg Closure Project, Mound Site	3	CERCLA/RCRA	2012
54	Middlesex North, NJ, Site ⁴	Middlesex Municipal Landfill	1	FUSRAP	2004
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	Naturita, CO, Disposal/Processing Site	Naturita Site	2	UMTRCA Title I	1999
58		Naturita Mill			
58	New Brunswick, NJ, Site	New Brunswick Site	2	FUSRAP	2004
59	New York, NY, Site	Baker and Williams Warehouses	1	FUSRAP	2004
60	Niagara Falls Storage Site Vicinity Properties, NY, Site	Niagara Falls Storage Site Vicinity Properties	1	FUSRAP	2004
61	Oak Ridge, TN, Warehouses Site	Elza Gate	1	FUSRAP	2004
62	Oxford, OH, Site	Alba Craft Laboratories	1	FUSRAP	2004
63	Oxnard, CA, Site	Oxnard Site	1	Other	2008
64	Parkersburg, WV, Disposal Site	Parkersburg Site	2	Other	1994
65	Pinellas County, FL, Site	Pinellas STAR Center	3	CERCLA/RCRA	2004
66	Piqua, OH, Decommissioned Reactor Site	Piqua Nuclear Power Facility	2	D&D	1998
67	Rifle, CO, Disposal/Processing Site	Rifle (New) Mill	2	UMTRCA Title I	1998
		Rifle (Old) Mill			
		Estes Gulch Disposal Cell			
68	Rio Blanco, CO, Site	Rio Blanco	2	Other	2008
69	Riverton, WY, Processing Site	Riverton Site	2	UMTRCA Title I	1991
70	Rocky Flats, CO, Site	Rocky Flats Closure Project	3	CERCLA/RCRA	2008
71	Rulison, CO, Site	Rulison	2	Other	2008
72	Salmon, MS, Site	Salmon Site	2	Other	2008
73	Salt Lake City, UT, Disposal/Processing Site	South Clive Disposal Cell	2	UMTRCA Title I	1997
		Salt Lake City Mill			
74	San Diego, CA, Site	General Atomics Hot Cell Facility	1	Other	2005
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
<i>Continued on next page</i>					

Appendix A: LM Site Count Listing (continued)

LM Site Count Listing Through December 31, 2013

	LM Site Name	Pre-LM Name	Category ¹	Regulatory Driver	Fiscal Year Transfer Date
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	Sunol, CA, Site	General Electric Vallecitos Nuclear Center	1	Other	2013
85	Toledo, OH, Site	Baker Brothers	1	FUSRAP	2004
86	Tonawanda North, NY, Site Unit 1	Ashland Oil #1	1	FUSRAP	2009
87	Tonawanda North, NY, Site Unit 2	Ashland Oil #2	1	FUSRAP	2009
88	Tuba City, AZ, Disposal Site	Tuba City Site	3	UMTRCA Title I	1996
89	Wayne, NJ, Site	Wayne Site	1	FUSRAP	2007
90	Weldon Spring, MO, Site	Weldon Spring Site	3	CERCLA/RCRA	2003
Total					90

Notes:

- ¹ 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.
- ² 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.
- ³ The Miamisburg, OH, Site has transferred to LM; however, real property assets have yet to be transferred and remain in the preliminary stages of transition as of December 2013.
- ⁴ 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 Transition in FY 2014

	LM Site Name	Pre-LM Name	Category ¹	Transferring Organization	Regulatory Driver
The 3 sites below are planned for transition between January 1, 2014 and September 30, 2014.					
1	Bear Creek, WY, Disposal Site	Union Pacific – Bear Creek Site	2	Private Licensee	UMTRCA Title II
2	Gas Hills East, WY, Disposal Site	UMETCO – Gas Hills Site	2	Private Licensee	UMTRCA Title II
3	Split Rock, WY, Disposal Site	WNI – Split Rock Site	2	Private Licensee	UMTRCA Title II
Total					3
Cumulative					93

Sites Planning to Transition in FY 2015

	LM Site Name	Pre-LM Name	Category ¹	Transferring Organization	Regulatory Driver
1	Gas Hills North, WY, Disposal Site	Pathfinder – Lucky Mc Site	2	Private Licensee	UMTRCA Title II
2	Painesville, OH, Site	Painesville	1	USACE	FUSRAP
3	Ray Point, TX, Disposal Site	Exxon – Ray Point Site	2	Private Licensee	UMTRCA Title II
4	Uravan, CO, Disposal Site	UMETCO – Uravan Site	2	Private Licensee	UMTRCA Title II
Total					4
Cumulative					97

Sites Planning to Transition in FY 2016

	LM Site Name	Pre-LM Name	Category ¹	Transferring Organization	Regulatory Driver
1	Attleboro, MA, Site	Shpack Landfill	2	USACE	FUSRAP
2	Windsor, CT, Site	Combustion Engineering	1	USACE	FUSRAP
3	Tonawanda, NY, Site	Linde Air Products Division, Linde-Praxair	1	USACE	FUSRAP
Total					3
Cumulative					100

Sites Planning to Transition in FY 2017

	LM Site Name	Pre-LM Name	Category ¹	Transferring Organization	Regulatory Driver
1	Colonie, NY, Site ²	Colonie Interim Storage Site, CISS (includes VPs)	2	USACE	FUSRAP
2	Deepwater, NJ, Site	DuPont	2	USACE	FUSRAP
3	Durita, CO, Disposal Site	HECLA – Durita Site	2	Private Licensee	UMTRCA Title II
4	Panna Maria, TX, Disposal Site	Chevron – Panna Maria Site	2	Private Licensee	UMTRCA Title II
Total					4
Cumulative					104

Sites Planning to Transition in FY 2018

	LM Site Name	Pre-LM Name	Category ¹	Transferring Organization	Regulatory Driver
1	Sequoyah Fuels, OK, Disposal Site	Sequoyah Fuels Site	2	Private Licensee	UMTRCA Title II
Total					1
Cumulative					105

Sites Planning to Transition in FY 2019

	LM Site Name	Pre-LM Name	Category ¹	Transferring Organization	Regulatory Driver
1	Berkeley, MO, Site	St. Louis Airport Site	2	USACE	FUSRAP
2	Berkeley, MO, Site Vicinity Properties	St. Louis Airport Site Vicinity Properties, SLAPS Vicinity Properties	2	USACE	FUSRAP
3	Burlington, IA, Site	Iowa Army Ammunition Plant	2	USACE	FUSRAP
4	Conquista, TX, Disposal Site	Conoco – Conquista Site	2	Private Licensee	UMTRCA Title II
5	Hazelwood, MO, Site	Latty Avenue Properties, Hazelwood Interim Storage Site, HISS	2	USACE	FUSRAP
6	Lisbon Valley, UT, Disposal Site	Rio Algom – Lisbon Valley Site	2	Private Licensee	UMTRCA Title II
7	St. Louis, MO, Site	St. Louis Downtown Site, Mallinckrodt Chemical Works (Includes VPs)	2	USACE	FUSRAP
Total					7
Cumulative					112

Appendix B: Site Transition Schedule (continued)

Sites Planning to Transition in FY 2020

	LM Site Name	Pre-LM Name	Category ¹	Transferring Organization	Regulatory Driver
1	Ambrosia Lake West, NM, Disposal Site	Rio Algom – Ambrosia Lake Site 2	2	Private Licensee	UMTRCA Title II
2	Energy Technology Engineering Center, CA, Site	Energy Technology Engineering Center	1	EM	Other
3	Gas Hills West, WY, Disposal Site	ANC – Gas Hills Site	2	Private Licensee	UMTRCA Title II
4	Highland, WY, Disposal Site	Exxon – Highland Site	2	Private Licensee	UMTRCA Title II
5	Hicksville, NY, Site ³	Sylvania-Corning	2	USACE	FUSRAP
6	Staten Island, NY, Site ^{3,4}	Staten Island Warehouse, Richmond Terrace Site, Archer Daniels Midland Warehouse	1	USACE	FUSRAP
				Total	6
				Cumulative	118

Sites Planning to Transition in FY 2021

	LM Site Name	Pre-LM Name	Category ¹	Transferring Organization	Regulatory Driver
1	Brooklyn, NY, Site ⁴	Wolff-Alport Chemical Co.	2	USACE	FUSRAP
2	Middlesex South, NJ, Site ²	Middlesex Sampling Plant (includes VPs)	2	USACE	FUSRAP
				Total	2
				Cumulative	120

Sites Planning to Transition in FY 2022

	LM Site Name	Pre-LM Name	Category ¹	Transferring Organization	Regulatory Driver
1	Curtis Bay, MD, Site	W.R. Grace Co.	2	USACE	FUSRAP
2	Ford, WA, Disposal Site	Dawn – Ford Site	2	Private Licensee	UMTRCA Title II
3	Grants, NM, Disposal Site	Homestake – Grants Site	2	Private Licensee	UMTRCA Title II
				Total	3
				Cumulative	123

Sites Planning to Transition in FY 2023

	LM Site Name	Pre-LM Name	Category ¹	Transferring Organization	Regulatory Driver
1	Lockport, NY, Site ³	Guterl Specialty Steel	2	USACE	FUSRAP
				Total	1
				Cumulative	124

Sites Planning to Transition in FY 2024

	LM Site Name	Pre-LM Name	Category ¹	Transferring Organization	Regulatory Driver
1	Cleveland, OH, Site ³	Harshaw Chemical Company	2	USACE	FUSRAP
2	Maywood, NJ, Site ²	Maywood Interim Storage Site, MISS (includes VPs)	2	USACE	FUSRAP
				Total	2
				Cumulative	126

Sites Planning to Transition in FY 2025

	LM Site Name	Pre-LM Name	Category ¹	Transferring Organization	Regulatory Driver
1	Church Rock, NM, Disposal Site	General Electric/United Nuclear Corporation – Church Rock Site	2	Private Licensee	UMTRCA Title II
2	Moab, UT, Site	Atlas – Moab Mill	3	EM	UMTRCA Title I
3	Tonawanda North, NY, Site, Unit 3	Seaway Industrial Park	2	USACE	FUSRAP
				Total	3
				Cumulative	129

Appendix B: Site Transition Schedule (continued)

Sites Planning to Transition in FY 2027 - 2050

	LM Site Name	Pre-LM Name	Category ¹	Transferring Organization	Regulatory Driver	Planned Transfer
1	Carnegie, PA, Site³	Superior Steel, Superbolt	1	USACE	FUSRAP	2027
2	Luckey, OH, Site	Luckey	2	USACE	FUSRAP	2027
3	Ft. Wayne, IN, Site³	Joslyn Stainless Steel Company	2	USACE	FUSRAP	2028
4	Parks Township, PA, Site³	Parks Township, Shallow Land Disposal Area, SLDA	1	USACE	FUSRAP	2029
5	Niagara Falls Storage Site, NY, Site ^{2,3}	Niagara Falls Storage Site, NFSS	2	USACE	FUSRAP	2036
6	Paducah, KY, Site	Paducah Gaseous Diffusion Plant	2	EM	CERCLA/RCRA	2038
7	West Valley, NY, Site	West Valley Demonstration Project	1	EM	CERCLA/RCRA	2040
8	Portsmouth, OH, Site	Portsmouth Gaseous Diffusion Plant	2	EM	CERCLA/RCRA	2044
9	Canon City, CO, Disposal Site	Cotter – Canon City Site	2	Private Licensee	UMTRCA Title II	2047
10	Salt Lake City 11e.(2), UT, Disposal Site	11e(2) Disposal Site	2	Private Licensee	UMTRCA Title II	2047
11	Shirley Basin North, WY, Disposal Site	Pathfinder – Shirley Basin Site 2	2	Private Licensee	UMTRCA Title II	2047
12	Shootaring Canyon, UT, Disposal Site	Plateau Shootaring Canyon Site	2	Private Licensee	UMTRCA Title II	2047
13	Sweetwater, WY, Disposal Site	Kennecott Sweetwater Site	2	Private Licensee	UMTRCA Title II	2047
14	White Mesa, UT, Disposal Site	EFN – White Mesa Site	2	Private Licensee	UMTRCA Title II	2047
15	Andrews 11e.(2), TX, Disposal Site	WCS Federal Waste Facility	2	Private Licensee	UMTRCA Title II	2050
Total					15	
Cumulative					144	

¹ 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.

² The DOE Office of Legacy Management is the owner of record at the following FUSRAP sites: Colonie, NY; Maywood, NJ; Middlesex South, NJ; and Niagara Falls, 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.

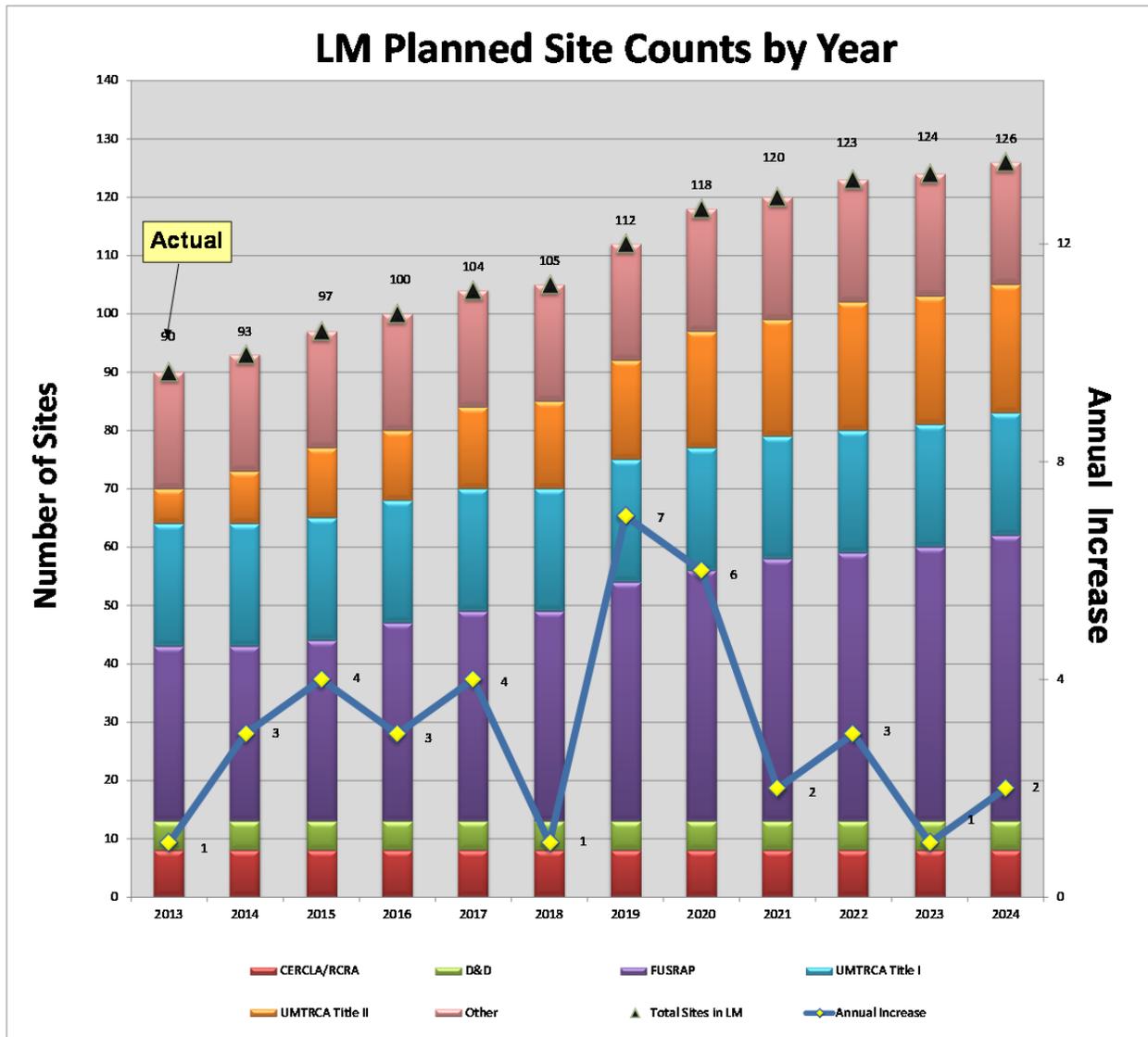
³ Completion date assumed for out-year planning. Actual remedial action completion date not yet scheduled by USACE.

⁴ Potential FUSRAP site, referred to USACE, not yet designated.

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	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
CERCLA/RCRA	8	8	8	8	8	8	8	8	8	8	8	8
D&D	5	5	5	5	5	5	5	5	5	5	5	5
FUSRAP	30	30	31	34	36	36	41	43	45	46	47	49
UMTRCA Title I	21	21	21	21	21	21	21	21	21	21	21	21
UMTRCA Title II	6	9	12	12	14	15	17	20	20	22	22	22
Other	20	20	20	20	20	20	20	21	21	21	21	21
Total	90	93	97	100	104	105	112	118	120	123	124	126
Annual Increase	1	3	4	3	4	1	7	6	2	3	1	2



Appendix D: Current Site Count by State

State Site Counts as of December 31, 2013

	State	CAT 1	CAT 2	CAT 3	# of Sites
1	Alaska		2		2
2	Arizona ¹		1	1	2
3	California	5	1		6
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	3	1		4
17	New Mexico ²	4	5	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 ³		3	1	4
26	Washington ⁴		1		1
27	West Virginia		1		1
28	Wyoming		3		3
	Puerto Rico	2	1		3
	TOTAL	40	41	9	90

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

¹Monument Valley, AZ, Site resides on Navajo Tribal Land. Tuba City, AZ, Site resides on Navajo and Hopi Tribal Land.

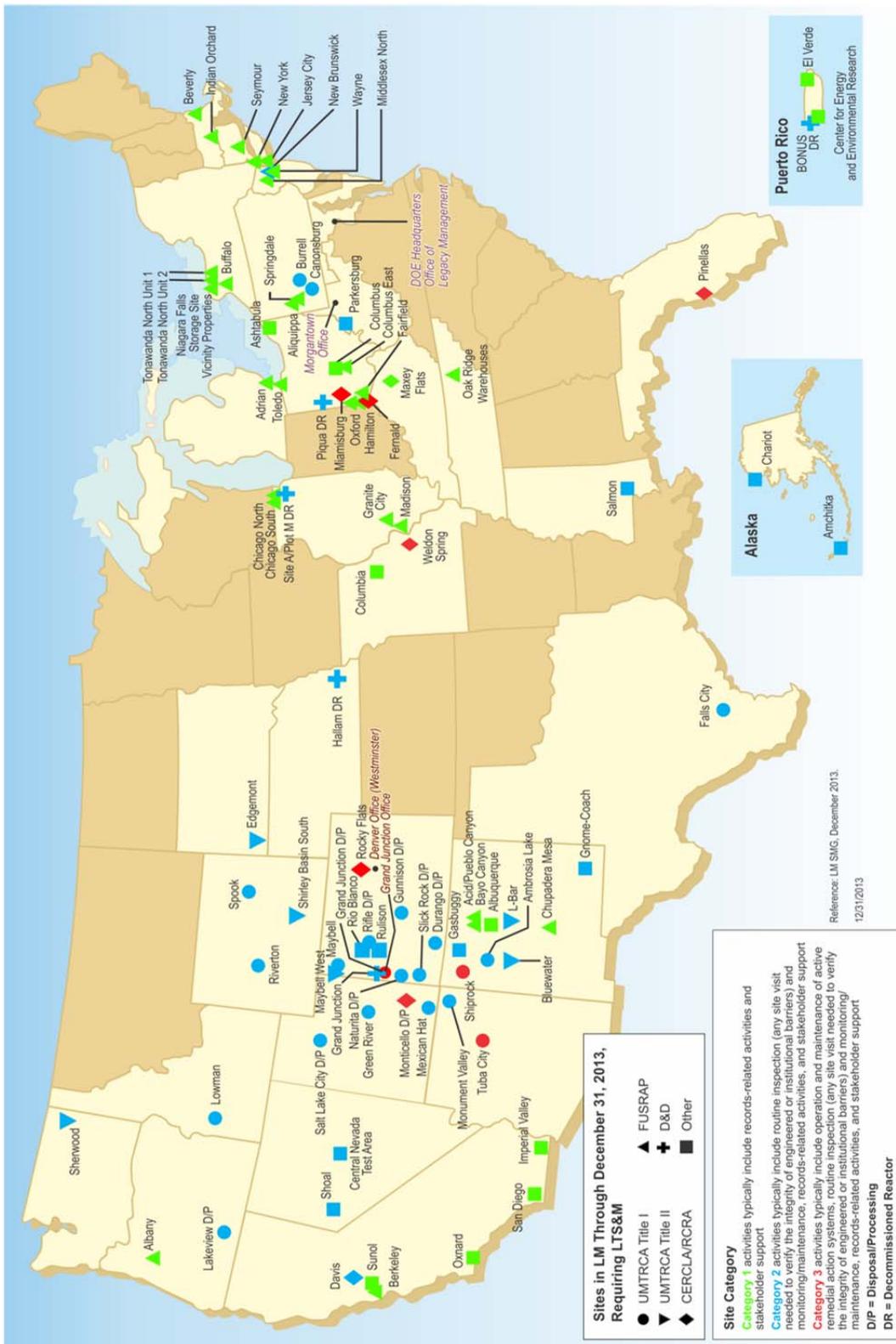
²Shiprock, NM, Site resides on Navajo Tribal Land.

³Mexican Hat, UT, Site resides on Navajo Tribal Land.

⁴Sherwood, WA, Site resides on Spokane Tribal Land.

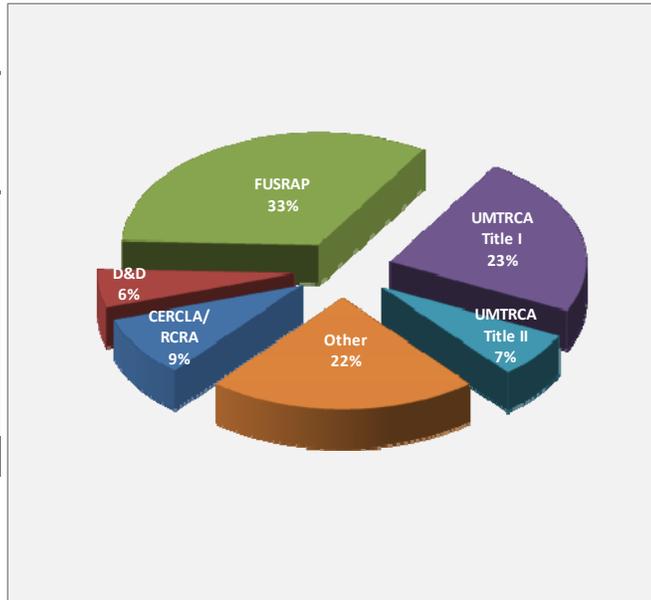
Appendix E: LM Site Map – as of December 31, 2013

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

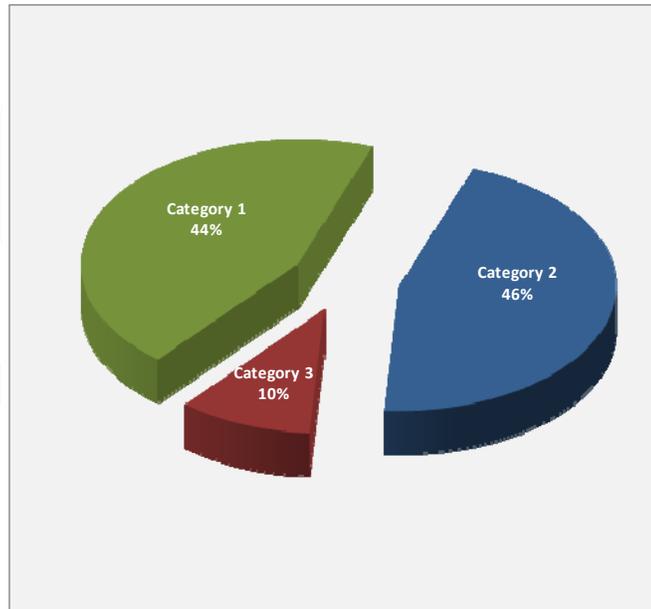


Appendix F: Site Count by Regulatory Type and Category

Type	Actual Through December 2013
CERCLA/RCRA	8
D&D	5
FUSRAP	30
UMTRCA Title I	21
UMTRCA Title II	6
Other	20
TOTAL	90



Sites by Category	Actual Through December 2013
Category 1	40
Category 2	41
Category 3	9
TOTAL	90



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

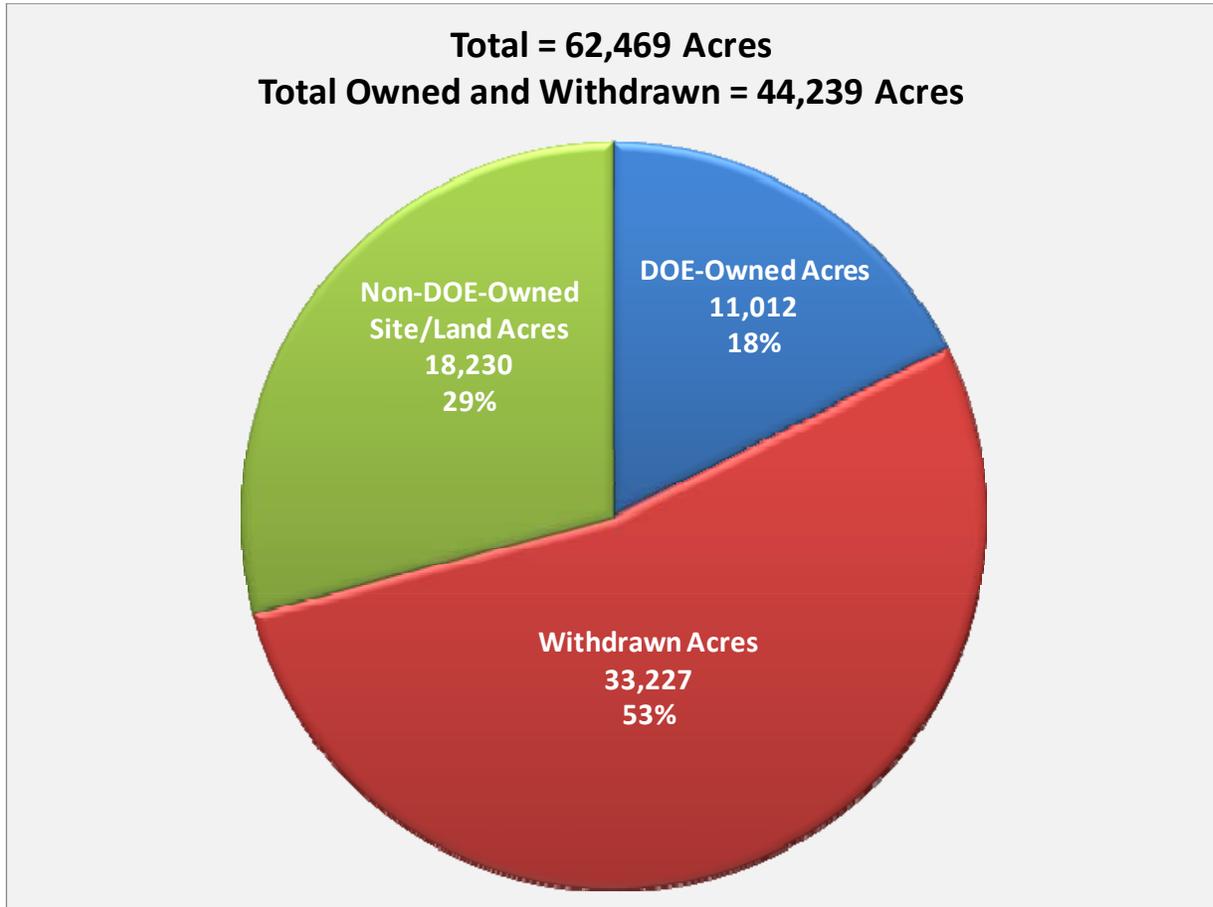
LM-20 Office of Site Operations Site Information Summary as of December 31, 2013¹

Type of Site	Number of Sites		Number of Wells		Number of Disposal Cells/Systems ²		Institutional Controls (Yes or No)	
	2012	2013	2012	2013	2012	2013	2012	2013
CERCLA/RCRA Sites	8	8	1,027	951	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	781	769	19	19	Yes (21 sites)	Yes (21 sites)
UMTRCA Title II Sites	6	6	41	49	7	7	Yes (6 sites)	Yes (6 sites)
Other Sites	19	20	93	80	10	10	Yes (10 sites)	Yes (10 sites)
TOTALS	89	90	1,996	1,903	44	44		
INCREASE/(DECREASE)		1		-93		0		

¹Comparison of last reporting period (December 31, 2012) to current information through December 31, 2013.

²Disposal 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, 2013



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 South, NJ; 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.

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