

STANDARDS/REQUIREMENTS IDENTIFICATION DOCUMENT

FUNCTIONAL AREA 15.0

FACILITY DISPOSITION (U)

10/25/2018
REVISION 18-07

This document was approved by DOE on the above date

Savannah River Remediation LLC
Savannah River Site
Aiken, SC 29808

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15.00 FACILITY DISPOSITION

Standards/Requirements Identification Document (S/RID) Functional Area 00, S/RID Purpose and Development, contains general information on the development (including the type of source documents considered), assessment, approval, and maintenance of the Savannah River Remediation LLC (SRR) S/RID which is pertinent to the understanding of this functional area S/RID. The reader should refer to S/RID Functional Area 00 for a complete understanding of this functional area S/RID.

This document details the requirements specific to the programs, plans, and activities that are necessary and sufficient to protect the Environment, Safety and Health (ES&H) of the public and workers during facility disposition activities.

As with the operation of a facility, the objective of all facility disposition requirements is to provide for safety of the public and workers and to reduce environmental impacts to acceptable levels. The objective is achieved by providing appropriate requirements for the planning, safe implementation, and completion of facility disposition activities.

The requirements identified in this document only apply to facilities which have been identified as excess. The facilities are identified in the Facility List in Functional Area 00, S/RID Purpose and Development.

In accordance with DOE O 430.1C paragraph 3.b, the requirements do not automatically apply to contractors. Any application of real property asset management requirements to contractors must be communicated separately from this Order.

The Contract Administrator Notice response, SRR-CAA-2026-00367, dated October 26, 2016, acknowledged the above and provided an agreement to work with DOE-Savannah River (SR) on a path forward. A meeting held with personnel from DOE-SR, Savannah River Nuclear Solutions, LLC, (SRNS) and SRR established the retention of the DOE O 430.1B, Change 2 CRD, except for those requirements associated with development of the Ten-Year Site Plan (TYSP). The plan will be accomplished on a five-year basis as annotated by a note in the appropriate requirements.

The applicable requirements associated with DOE O 430.1B, Change 2 were previously included in S/RID Functional Areas 10 (Maintenance), 14 (Environmental Restoration), 15 (Facility Disposition), and a separate non-ES&H Compliance Assessment and Implementation Report and are now identified as DOE O 430.1C-ESH and DOE O 430.1C-NONESH as appropriate. References made for additional guidance within the Table 1 requirements to DOE O 430.1B (e.g., attachments) still apply.

This functional area is prepared in alignment with the Revision 0, July 30, 1993 version of the DOE-HQ ES&H Configuration Guide.

15.01 DEACTIVATION, SURVEILLANCE, AND MAINTENANCE

This section includes requirements to ensure the safe transition of a facility received into the facility disposition program from its initial condition into a stable condition awaiting final decommissioning. Requirements include provisions for placing the facility in a safe storage condition, including surveillance and maintenance, as required.

15.02 CHARACTERIZATION AND ENVIRONMENTAL REVIEW PROCESS

This section includes requirements for data collection to support a thorough physical, chemical, and radiological characterization to fulfill the requirements of the Resource Conservation and Recovery Act (RCRA) or Comprehensive Environmental Response, Compensation & Liability Act (CERCLA). Requirements address identification, assessment, and evaluation of candidate decommissioning alternatives. The requirements include necessary steps for complying with the requirements of the National Environmental Policy Act (NEPA) to support the selection of a preferred decommissioning alternative.

15.03 DECOMMISSIONING ACTIVITIES

This section includes requirements for preparation of a Decommissioning Project Plan, and for performing decommissioning activities in accordance with the approved Decommissioning Project Plan.

15.04 POST DECOMMISSIONING ACTIVITIES

This section includes requirements for a final radiological and chemical survey report or an independent verification survey report and a final report, as appropriate. The requirements also include provisions for the compilation of a Project Data Package.

15.05 RELEASE CRITERIA

This section includes requirements for developing release criteria for the decommissioning activity.

15.06 KEY INTERFACES

The key interfaces between this functional area S/RID and other S/RID areas are listed below.

15.06.01 Environmental Protection

Requirements associated with environmental permitting, monitoring, and pollution control and prevention including the management of spills, leaks, and reportable quantities as well as NEPA documentation and those ES&H requirements stemming from adherence to RCRA and CERCLA laws are addressed in the Environmental Protection S/RID Functional Area. Also addressed in the Environmental Protection S/RID Functional Area are requirements associated with the Toxic Substances Control Act and asbestos (through the Clean Air Act). Refer to the Environmental Protection S/RID Functional Area 20 for the specification of such requirements.

15.06.02 Engineering Program

Engineering planning for each project facility disposition is to be conducted during the environmental review process. In addition, detailed engineering will be initiated to implement the planned activities. Engineering activities will be performed in accordance with the requirements specified in the Engineering Program S/RID Functional Area. Refer to the Engineering Program S/RID Functional Area 07 for the specification of such requirements.

15.06.03 Occupational Safety and Health

Facility disposition activities must meet Occupational Safety and Health (OSH) requirements. The required OSH Standards and Industrial Hygiene requirements are addressed in the Occupational Safety and Health

S/RID Functional Area. Refer to the Occupational Safety and Health S/RID Functional Area 19 for the specification of such requirements

15.06.04 Waste Management

Facility disposition activities must meet the requirements for waste generators for any waste generated during project execution activities. Refer to the Waste Management S/RID Functional Area 16 for the specification of such requirements

15.06.05 Radiation Protection

Radiation protection is an important aspect of facility disposition activities on radiologically contaminated facilities. Requirements addressing topics such as dosimetry, posting of areas, monitoring and surveys, release of equipment, and exposure limits are contained in the Radiation Protection S/RID Functional Area. Refer to the Radiation Protection S/RID Functional Area 11 for the specification of such requirements.

15.07 DOCUMENTS

15.07.01 Reference Documents

[DOEO430.1C-ESH](#)

[REAL PROPERTY ASSET MANAGEMENT \(ESH\), 8/19/2016](#)

TABLE 1 FORMAT AND CONTENT

S/RID Requirement Number	Unique number for each requirement that links the statement to the ES&H Configuration Guide
Source Document	Number of the source document
Source Document Requirement Number	Unique reference from the source document.
Requirement Text	Requirement statement

Facility Categories *

Requirement applicability is shown in relation to the following facility categories:

Nuclear HC-1,2,3	Representing nuclear hazard category 1, 2 and 3 facilities (as defined by DOE Standard 1027-92) and includes any facility(s) required to support a nuclear facility(s).
Radiological	Representing facilities below Hazard Category 3 but still contain quantities of radioactive material at or above the Reportable Quantity value as specified in 40 CFR 302.4, Appendix B.
High Hazard Chemical	Representing facilities with radiological hazards below 40 CFR 302.4 thresholds for radiological materials, but with any chemical hazard at or above threshold quantities listed in 29 CFR 1910.119 or 40 CFR 68. These facilities may also contain nuclear materials exempt from the nuclear facility definition, e.g., check and calibration sources, radioactive sources in research and experimental and analytical laboratory activities, electron microscopes, and x-ray machines, as defined by 10 CFR 830.3.
Low Hazard Chemical	Representing facilities with radiological hazards below 40 CFR 302.4 thresholds, but with chemical hazards both below 29 CFR 1910.119 or 40 CFR 68 thresholds and at or above reportable quantities in 40 CFR 302.4. These facilities may also contain nuclear materials exempt from the nuclear facility definition, e.g., check and calibration sources, radioactive sources in research and experimental and analytical laboratory activities, electron microscopes, and x-ray machines, as defined by 10 CFR 830.3.
Other Industrial	Representing facilities with all radiological and chemical hazards below 40 CFR 302.4 thresholds. These facilities may also contain nuclear materials exempt from the nuclear facility definition, e.g., check and calibration sources, radioactive sources in research and experimental and analytical laboratory activities, electron microscopes, and x-ray machines, as defined by 10 CFR 830.3.
Facility Specific	These are requirements that are applicable to specific facilities. Facility identification is included in this column, when applicable.

Phase I Compliance Approach

Common	Implementation of these requirements is covered by common procedures and policies.
Facility Specific	Implementation of these requirements is covered by facility specific procedures.

* Refer to the "SRR Facility List" contained in Functional Area 00 for the category for specific SRR facilities/bldgs.

FACILITY SPECIFIC LIST(S)

D-List
See FA00 (Table 1, Oper. Cat. = D)

TABLE 1 - S/RID FUNCTIONAL AREA 15 (FACILITY DISPOSITION) REQUIREMENTS

S/RID Requirement Number	Source Document	Source Document Reqt Number	Requirement Text	SRR Applicability						Phase I Compliance	
				Nuclear HC-1,2,3	Radi-ological	High Hazard Chemical	Low Hazard Chemical	Other Industrial	Facility Specific	Common	Facility Specific
15.01.045	DOEO430.1C-ESH	Att.2.6.b.(1)	<p>6. DISPOSITION AND LONG-TERM STEWARDSHIP. When DOE identifies that a program mission is no longer required, the contractor must initiate preparation of affected real property assets for disposition, including potential reuse for other missions. Disposition and LTS activities must be consistent with the guiding principles and core functions of the Department's integrated safety management and facility disposition policies. To prepare for disposition, the contractor must do the following.</p> <p>b. Develop a disposition baseline to assess and prepare the facility for disposition. Technical, programmatic, and regulatory information is to be used in the disposition preparation and planning process. The disposition baseline must include the following information.</p> <p>(1) Identification and characterization of hazardous and radioactive materials, waste, and hazardous conditions of the real property asset.</p>	X	X	X	X	X	(+) D-List	X	
15.01.046	DOEO430.1C-ESH	Att.2.6.b.(2)	<p>6. DISPOSITION AND LONG-TERM STEWARDSHIP. When DOE identifies that a program mission is no longer required, the contractor must initiate preparation of affected real property assets for disposition, including potential reuse for other missions. Disposition and LTS activities must be consistent with the guiding principles and core functions of the Department's integrated safety management and facility disposition policies. To prepare for disposition, the contractor must do the following.</p> <p>b. Develop a disposition baseline to assess and prepare the facility for disposition. Technical, programmatic, and regulatory information is to be used in the disposition preparation and planning process. The disposition baseline must include the following information.</p> <p>(2) Surveillance and maintenance requirements needed to ensure the real property asset, including its systems, and stored hazardous materials and waste remain in a stable and known condition and that adequate protection is provided to the workers, the public, and the environment pending disposition.</p>	X	X	X	X	X	(+) D-List	X	

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				Nuclear HC-1,2,3	Radi-ological	High Hazard Chemical	Low Hazard Chemical	Other Industrial	Facility Specific	Common	Facility Specific
15.01.047	DOEO430.1C-ESH	Att.2.6.b.(3)	<p>6. DISPOSITION AND LONG-TERM STEWARDSHIP. When DOE identifies that a program mission is no longer required, the contractor must initiate preparation of affected real property assets for disposition, including potential reuse for other missions. Disposition and LTS activities must be consistent with the guiding principles and core functions of the Department’s integrated safety management and facility disposition policies. To prepare for disposition, the contractor must do the following.</p> <p>b. Develop a disposition baseline to assess and prepare the facility for disposition. Technical, programmatic, and regulatory information is to be used in the disposition preparation and planning process. The disposition baseline must include the following information.</p> <p>(3) Assessment and adjustment of the facility authorization basis, as necessary, to reflect conditions and activities pending disposition.</p>	X	X	X	X	X	(+) D-List	X	
15.01.048	DOEO430.1C-ESH	Att.2.6.c.(1)	<p>6. DISPOSITION AND LONG-TERM STEWARDSHIP. When DOE identifies that a program mission is no longer required, the contractor must initiate preparation of affected real property assets for disposition, including potential reuse for other missions. Disposition and LTS activities must be consistent with the guiding principles and core functions of the Department’s integrated safety management and facility disposition policies. To prepare for disposition, the contractor must do the following.</p> <p>c. Develop a disposition plan that identifies, assesses, and evaluates alternatives and integrates environmental, safety, and health requirements into disposition activities. The disposition plan should be tailored based on the disposition baseline and disposal method to be used (e.g., reuse, demolition, or decommissioning). The disposition plan shall include the following.</p> <p>(1) A method for identifying, evaluating, and selecting disposition alternatives and LTS requirements. Selection of the preferred disposition alternative needs to be documented and be in accordance with relevant industry standards. Stakeholder involvement is required in the development of LTS plans.</p>	X	X	X	X	X	(+) D-List	X	

TABLE 1 - S/RID FUNCTIONAL AREA 15 (FACILITY DISPOSITION) REQUIREMENTS

S/RID Requirement Number	Source Document	Source Document Reqt Number	Requirement Text	SRR Applicability						Phase I Compliance	
				Nuclear HC-1,2,3	Radi-ological	High Hazard Chemical	Low Hazard Chemical	Other Industrial	Facility Specific	Common	Facility Specific
15.02.010	DOEO430.1C-ESH	Att.2.6.c.(7)	<p>6. DISPOSITION AND LONG-TERM STEWARDSHIP. When DOE identifies that a program mission is no longer required, the contractor must initiate preparation of affected real property assets for disposition, including potential reuse for other missions. Disposition and LTS activities must be consistent with the guiding principles and core functions of the Department’s integrated safety management and facility disposition policies. To prepare for disposition, the contractor must do the following.</p> <p>c. Develop a disposition plan that identifies, assesses, and evaluates alternatives and integrates environmental, safety, and health requirements into disposition activities. The disposition plan should be tailored based on the disposition baseline and disposal method to be used (e.g., reuse, demolition, or decommissioning). The disposition plan shall include the following.</p> <p>(7) The development of specific end-point criteria for declaring disposition complete.</p>	X	X	X	X	X	(+) D-List	X	
15.03.031	DOEO430.1C-ESH	Att.2.6.c.(8)	<p>6. DISPOSITION AND LONG-TERM STEWARDSHIP. When DOE identifies that a program mission is no longer required, the contractor must initiate preparation of affected real property assets for disposition, including potential reuse for other missions. Disposition and LTS activities must be consistent with the guiding principles and core functions of the Department’s integrated safety management and facility disposition policies. To prepare for disposition, the contractor must do the following.</p> <p>c. Develop a disposition plan that identifies, assesses, and evaluates alternatives and integrates environmental, safety, and health requirements into disposition activities. The disposition plan should be tailored based on the disposition baseline and disposal method to be used (e.g., reuse, demolition, or decommissioning). The disposition plan shall include the following.</p> <p>(8) Decommissioning activities will be conducted as nontime critical removal actions under CERCLA, unless the circumstances at the facility make it inappropriate. Removal and remedial actions will be conducted using a tailored process negotiated with the Environmental Protection Agency, the South Carolina Department of Health and Environmental Control and other Stakeholders with continued Defense Nuclear Facilities Safety Board oversight to the extent authorized by law.</p> <p>Note: This requirement has been modified for the LW Contractor operations to include "South Carolina Department of Health and Environmental Control and other Stakeholders".</p>	X	X	X	X	X	(+) D-List	X	

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				Nuclear HC-1,2,3	Radi-ological	High Hazard Chemical	Low Hazard Chemical	Other Industrial	Facility Specific	Common	Facility Specific
15.04.005	DOEO430.1C-ESH	Att.2.6.f.	<p>6. DISPOSITION AND LONG-TERM STEWARDSHIP. When DOE identifies that a program mission is no longer required, the contractor must initiate preparation of affected real property assets for disposition, including potential reuse for other missions. Disposition and LTS activities must be consistent with the guiding principles and core functions of the Department's integrated safety management and facility disposition policies. To prepare for disposition, the contractor must do the following.</p> <p>f. Develop a final report or equivalent document for each disposition and land parcel remediation/LTS project that describes, at a minimum, final facility status and includes information demonstrating that end-point criteria have been met.</p>	X	X	X	X	X	(+) D-List	X	