

Used Fuel Disposition R&D Campaign

Program Planning

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Used Fuel Disposition R&D Campaign

Albuquerque, NM

November 19, 2015

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DOE Managed HLW and SNF Research: *Program Planning*

OBJECTIVES:

Develop a Draft Generic Program Plan identifying and summarizing the principle elements necessary for a generic repository program for disposal of DOE managed HLW and Spent Fuel.

SCOPE:

- The task scope includes identifying and elaborating on the principle elements of a generic program plan for the disposal of HLW and SNF from Defense and DOE research and development activities: including system integration, siting, and licensing, based on DOE program policy. Because the task scope is generic, it will not include elaboration on the specific scientific or engineering elements needed.

LEVEL 2 MILESTONE:

Draft Program Plan for the Permanent Disposal of High-Level Radioactive Waste and Spent Nuclear Fuel from Defense and Department of Energy Research and Development Activities (SNL, 4/30/2016)

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DOE Managed HLW and SNF Research: *Establish organizational framework to meet regulator expectations*

OBJECTIVES:

Develop a draft document identifying and summarizing the principle elements of a generic repository licensing infrastructure and organizational framework..

SCOPE:

- The task scope includes identifying the principle elements of a generic repository licensing infrastructure such as: information management; quality assurance; systems engineering and a supporting IT infrastructure, based on prior SNL experience. Because the task scope is generic, it will not include the specific scientific or engineering elements needed for repository licensing.

LEVEL 2 MILESTONE:

Generic Organizational and Procedural Framework for DOE Managed HLW and SNF Licensing (SNL, 9/16/2016)

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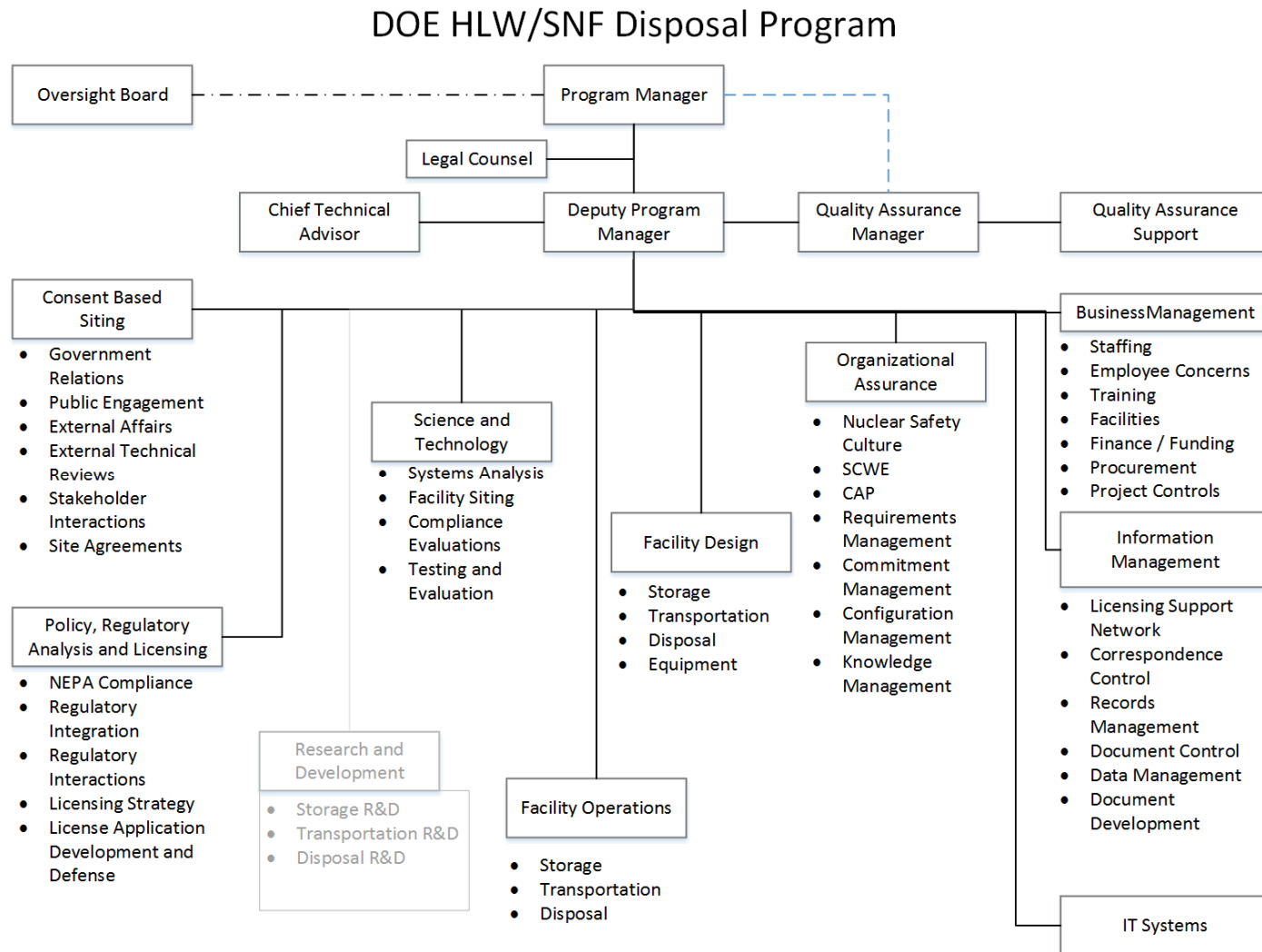
DOE Managed HLW and SNF Research:
*Establish organizational framework to meet
regulator expectations*

About the Organizations Objectives

- **Who? DOE HLW/SNF Disposal Program (OCRWM)**
- **What? DOE HLW and *SOME* SNF**
- **WBS separates intellectual capability (Functions) from Tasks/Facilities**
- **Facilities (Storage and Disposal) require**
 - site solicitation,
 - site agreement negotiation
 - site evaluation
 - site selection and recommendation
 - site NEPA EA (environmental assessment)
 - site characterization
 - Underground Research Facility (URF)
 - NEPA EIS (environmental impact statement)
 - License application

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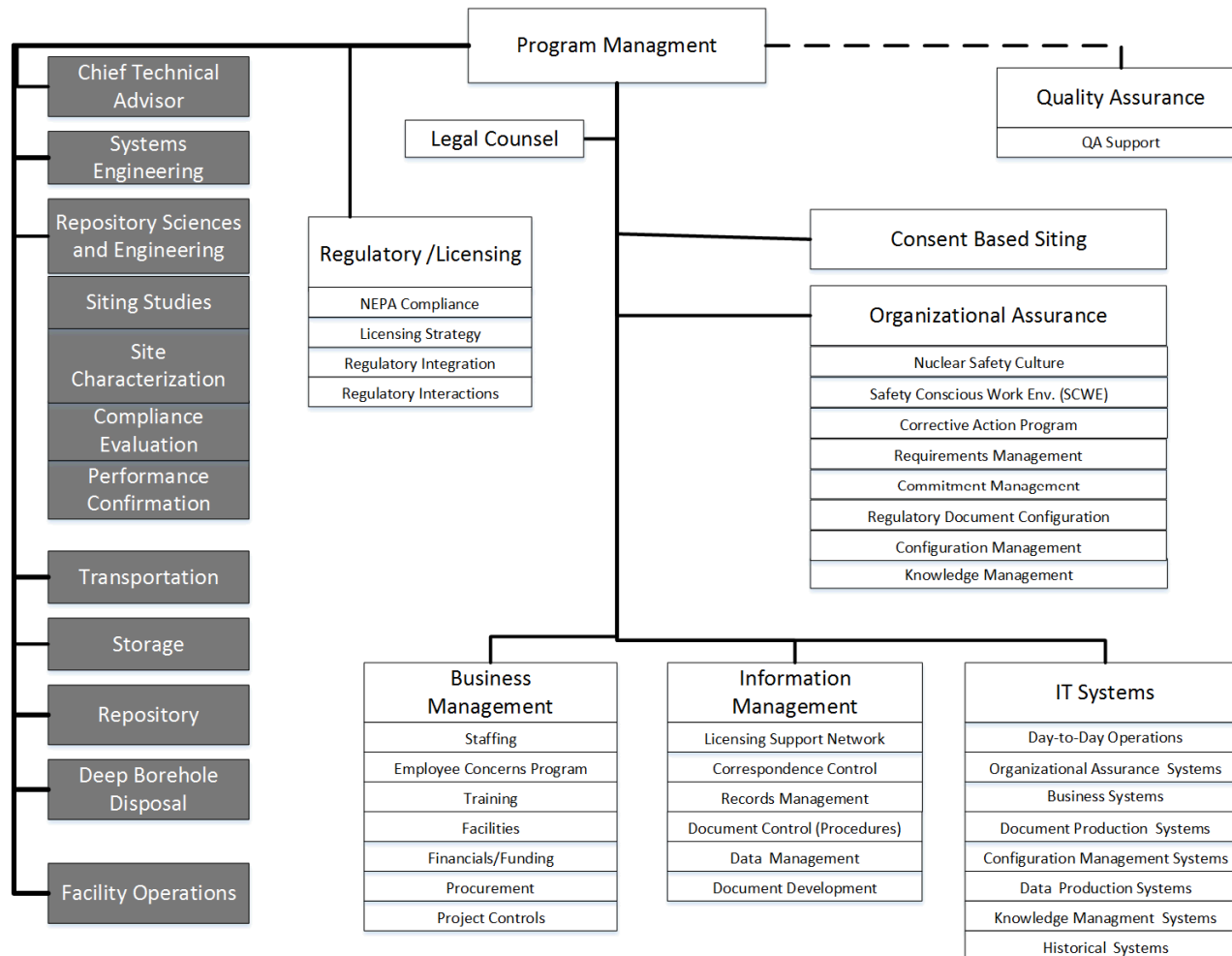
DOE Managed HLW and SNF Research: Establish organizational framework to meet regulator expectations



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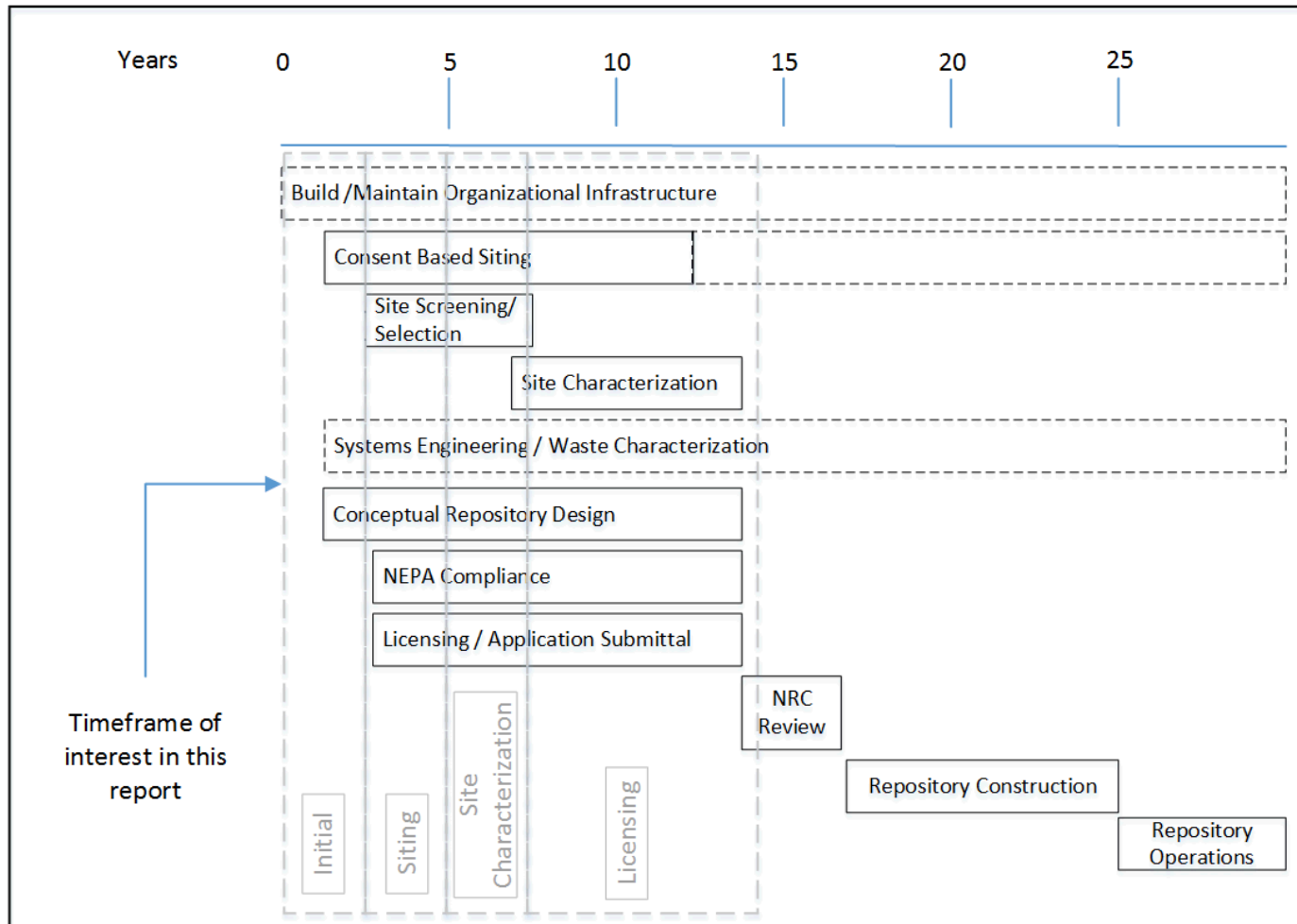
The Functional Organization



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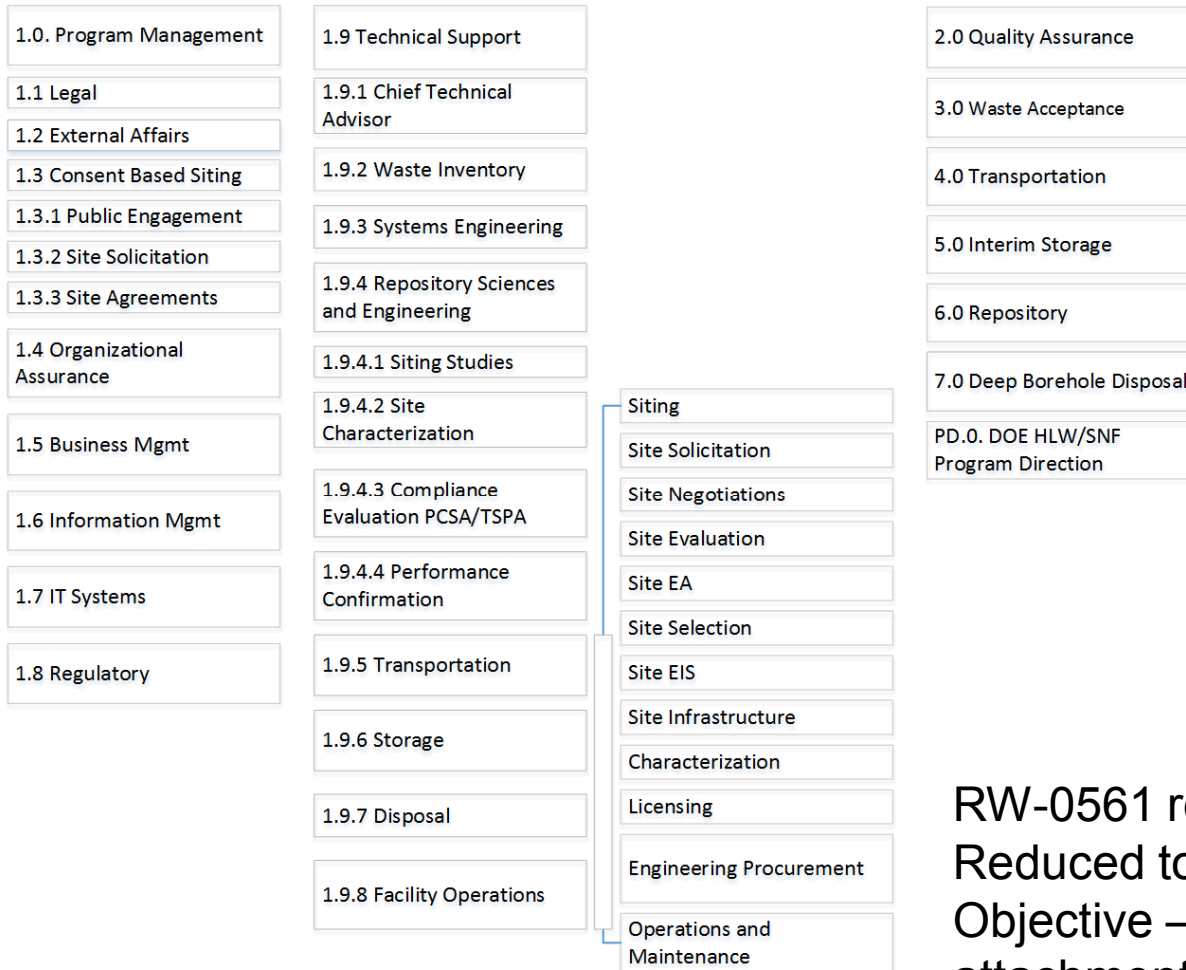
DOE Managed HLW and SNF Research: *Establish organizational framework to meet regulator expectations*

The Timeline



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DOE Managed HLW and SNF Research: Establish organizational framework to meet regulator expectations



WBS

RW-0561 rev 3 (2009) ~450 pages
Reduced to Word ~150 pages
Objective – reduce to < 50 pages for an attachment

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DOE Managed HLW and SNF Research: *Develop and implement operating procedures*

OBJECTIVES:

Develop a draft document identifying and summarizing the principle operating procedures for a generic repository licensing organization

SCOPE:

- The task scope includes identifying the principle operating procedures for a generic repository licensing organization: such as: information management, organizational assurance and quality assurance, based on prior SNL experience. Because the task scope is generic, it will not include the specific scientific or engineering procedures needed for repository licensing.

LEVEL 4 MILESTONE:

Draft Summary of operating procedures needed generic repository licensing (SNL, 9/16/2016)

Procedures Analysis

- **In 2009 CDIS had 9498 controlled documents**
- **~ 900 Policies, Plans, Procedures**
- **~750 considering overlap and relevancy**
- **Categorizing by Time Phase needed and owner organizational element**
- **Objective to have list as attachment to Procedure document**
- **Objective to list Key Procedures by organizational Element in the Procedure document.**

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DOE Managed HLW and SNF Research: *Interactions with regulator*

OBJECTIVES:

Develop a concise summary of FY16 regulatory actions concerning licensing for a generic DOE managed HLW and Spent Fuel repository.

SCOPE:

- The task scope includes summarizing the conduct and outcomes of regulatory actions concerning licensing for a generic DOE managed HLW and Spent Fuel repository.

LEVEL 4 MILESTONE:

Summary of FY16 Regulatory Interactions with respect to disposal of high-level radioactive waste and spent nuclear fuel from Defense and DOE research and development (SNL, 9/30/2016)