

List of Documents
for Subtask I.A.1 Background Review

**NOTE: Numbered items that appear in bold type are not available for public review.
* indicates the item is not compulsory reading for Subtask I.A.1**

Task Area 1 Develop a Compliance Requirements and Evaluation Program (CREP) Plan

1. U.S. Department of Energy (DOE), *Licensing Support System Conceptual Design Analysis*, DOE/RW-0211, January 1989.
2. U.S. DOE, *Licensing Support System Preliminary Data Scope Analysis*, DOE/RW-0210, January 1989.
3. U.S. DOE, *Licensing Support System Preliminary Needs Analysis*, Volume 1, DOE/RW-0212, January 1989.
4. Nuclear Regulatory Commission (NRC), "Submission and Management of Records and Documents Related to the Licensing of a Geologic Repository for the Disposal of High-Level Radioactive Waste," (LSS Rule), *Federal Register*, Vol. 54, No. 71, Friday, April 14, 1989.
5. NRC, "Licensing Support System Advisory Review Panel," *Federal Register*, Vol. 54, No. 231, Monday, December 4, 1989, p. 50033.
6. LSS Advisory Review Panel (LSSARP) Meeting Minutes, December 19, 1989.
7. Science Applications International Corporation (SAIC), "Licensing Support System Prototype Test Report," February 16, 1990
8. Minutes of March 20-21, 1990, LSSARP meeting, with the following enclosures:
 1. Agenda
 2. Attendance List
 3. LSS Deliverables from the Revised SAIC Contract
 4. Briefing, "Development of LSSARP Header Recommendations"
 5. Four documents that track header development:
 - a. "Draft Bibliographic Header Fields," Revision 3, May 17, 1988
 - b. Draft "Minutes of the High-Level Waste (HLW) Licensing Support System Advisory Committee Meeting," April 18-19, 1988
 - c. "Information retrieval Systems: A Tutorial," February 3, 1988 and

- d. Attendance List and Glossary from the HLW Licensing Support System Advisory Committee Meeting, November 19-20, 1987
 - 6. Daniel J. Graser letter to Francis Cameron commenting on Prototype System Cataloging Manual
 - 7. NRC comments on SAIC reports "Licensing Support System Prototype Header Design" and "Licensing Support System Prototype Cataloging Manual"
 - 8. Presentation on "Automated Patent System"
 - 9. LSSARP Planning Agenda
 - 10. Automation in the Patent and Trademark Office
- *9. LABAT-ANDERSON Incorporated's (LAI) NRC Proposal, Vol. 2, Cost Proposal, June 2, 1990.
 - 10. LSSARP Draft Meeting Minutes, June 7, 1990.
 - 11. NRC LSS CREP Draft Statement of Work, June 20, 1990.
 - 12. LAI's NRC Proposal, Vol. 1, Technical Proposal, June 28, 1990.
 - 13. Draft Regulatory Guide Topical Guidelines for the LSS, July 1990.
 - *14. Package from August 23-24, 1990, DOE/NRC meeting on technical data, including:
 - Presentations:
 - 1. Technical Data Management on the Yucca Mountain Project;
 - 2. Roles of Project Participants;
 - 3. Yucca Mountain Project Records Management Program;
 - 4. Sample Overview Committee; and
 - 5. Project Data Flow.
 - Documents:
 - 1. Yucca Mountain Project, "Information Management System Plan," March, 1990.
 - 2. Yucca Mountain Project, "Technical Data Management Plan, Revision 1," March, 1990.
 - 3. Yucca Mountain Project, "Yucca Mountain Project Glossary, Revision O," November 6, 1989.
 - *15. LAI's Response to NRC Proposal Questions, August 28, 1990.
 - 16. SAIC, Draft "Licensing Support System Revised Data Scope Analysis." August 28, 1990.

17. Office of the Licensing Support System Administrator (OLSSA), "LSS Issue Tracking System Report," October 10, 1990.
- *18. Official Transcript of October 10-11, 1990, LSSARP Meeting, including the following attachment:
 1. SAIC presentation "Licensing Support System Functional Design," October 10, 1990;
19. Task Order No. 1, "Development and Maintenance of Compliance Requirements and Evaluation Program Plan," November 16, 1990.
- *20. Task Outline for LSS Work Assignment No. 1, November 27, 1990.
21. Work Breakdown Structure, December, 1990.
22. Memorandum for John Hoyle, Chairman, LSSARP, regarding the Draft Regulatory Guide Containing Topical Guidelines, February 21, 1991. Includes the following attachments:
 1. Memorandum from Bruce Woodbury, Chairman, Board of County Commissioners of Clark County, Nevada, regarding topical guideline discussion at the October 10-11, 1990, meeting of the LSSARP.
 2. Specific comments from the panel on the guide and topical guidelines.
23. NRC, "Procedures Applicable to Proceedings for the Issuance of Licenses for the Receipt of High-Level Radioactive Waste at a Geologic Repository," *Federal Register*, Vol. 56, No. 38, Tuesday, February 26, 1991, pp. 7787-99.
24. OLSSA, briefing on LSS, undated.

Task Area 2 Develop an Approach for the Publication, Dissemination, and Maintenance of the LSS CREP Guidance Manual

25. LSS CREP Guidance Manual: Table of Contents, June 19, 1990.
26. Draft Regulatory Guide Topical Guidelines for the LSS, July 1990.

27. Memorandum for John Hoyle, Chairman, LSSARP, regarding the Draft Regulatory Guide Containing Topical Guidelines, February 21, 1991. Includes the following attachments:
 1. Memorandum from Bruce Woodbury, Chairman, Board of County Commissioners of Clark County, Nevada, regarding topical guideline discussion at the October 10-11, 1990, meeting of the LSSARP.
 2. Specific comments from the panel on the guide and topical guidelines.

Task Area 3 Develop Document Compliance Guidance, Standards, and Procedures

- *28. Saracevic, Tefko. "Comparative Effects of Titles, Abstracts, and Full Texts on Relevance Judgments." *Proceedings of the American Society for Information Science*, Vol. 6, COOPERATING INFORMATION SOCIETIES, 32nd Annual Meeting, San Francisco, CA, October 1-4, 1969, pp. 293-299.
29. SAIC, "Licensing Support System Preliminary Prototype Header Design," May 13, 1988.
30. NRC, "Submission and Management of Records and Documents Related to the Licensing of a Geologic Repository for the Disposal of High-Level Radioactive Waste," (LSS Rule), *Federal Register*, Vol. 54, No. 71, Friday, April 14, 1989.
31. U.S. DOE, Letter to LSSARP, Re: Background Materials on LSS Headers, January 31, 1990; includes the following as attachments:
 1. "Draft Bibliographic Header Fields," Revision 3, May 17, 1988.
 2. Draft "Minutes of the HLW Licensing Support System Advisory Committee Meeting," Washington, D.C., April 18-19, 1988.
 3. Conservation Foundation; NRC; and SAIC, "Information Retrieval Systems: A Tutorial," February 3, 1988.
32. OLSSA briefing, "Development of LSSARP Header Recommendations," March 20, 1990.
33. "Abstracts for the LSS?" Draft, April 13, 1990.
34. NRC LSSARP Header Working Group, "Recommended Fields for LSS Header Records," May 18, 1990.
35. NRC LSSARP Header Working Group: "Recommended Fields for LSS Header Records, Letter," June 5, 1990.

36. NRC LSS Submission Standards & Compliance Evaluation Program (CEP) Draft Statement of Work, June 14, 1990.
37. Draft Regulatory Guide Topical Guidelines for the LSS, July 1990.
38. OLSSA, "Information Paper on Abstracting in the Licensing Support System," September 12, 1990.
39. SAIC, "Licensing Support System Cataloging Manual," October 12, 1990.
40. Memorandum for John Hoyle, Chairman, LSSARP, regarding the Draft Regulatory Guide Containing Topical Guidelines, February 21, 1991. Includes the following attachments:
 1. Memorandum from Bruce Woodbury, Chairman, Board of County Commissioners of Clark County, Nevada, regarding topical guideline discussion at the October 10-11, 1990, meeting of the LSSARP.
 2. Specific comments from the panel on the guide and topical guidelines.
41. NRC, "Procedures Applicable to Proceedings for the Issuance of Licenses for the Receipt of High-Level Radioactive Waste at a Geologic Repository," *Federal Register*, Vol. 56, No. 38, Tuesday, February 26, 1991, pp. 7787-99.

Task Area 4 Develop and Implement the Compliance Evaluation Component of the CREP

- *42. U.S. DOE, Memorandum (with attachments): "DOE/NRC Site-Specific Procedural Agreement for Geologic Repository Site Investigation and Characterization Program," September 18, 1984. Attachments include:
 1. Point of contact for Basalt Waste Investigation Project
 2. Point of contact for Salt Repository Project Office
 3. Point of contact for Nevada Nuclear Waste Site Investigation
 4. Point of contact for Crystalline Project Office
 5. Acquisition of Site-Specific Samples During Site Investigation and Site Characterization by NRC Contractors
 6. Standard Format for Meeting Reports
 7. Agreement Concerning the NRC On-site Representative (OR) for the Repository Projects During Site Investigation and Characterization
43. NRC, "Submission and Management of Records and Documents Related to the Licensing of a Geologic Repository for the Disposal of High-Level Radioactive Waste," (LSS Rule), *Federal Register*, Vol. 54, No. 71, Friday, April 14, 1989.

44. "Development of a Priority Document Production Schedule: A Discussion Paper," LSSA Issue Paper No. 1 prepared for review and discussion at the first meeting of the LSSARP, December 8, 1989.
45. NRC LSS Submission Standards & CEP Draft Statement of Work, June 14, 1990.
46. Center for Nuclear Waste Regulatory Analysis (CNWRA) Trip Reports:
 - a. NRC/DOE Meeting on Technical Data, August 23-24, 1990, Yucca Mountain Project Office, Las Vegas, Nevada.
 - b. CNWRA Discussion with Representatives of the State of Nevada Regarding LSS Technical Data, September 18, 1990, Office of Malachy Murphy, Olympia, Washington.
47. Letter from CNWRA to OLSSA, subject: Task 1 Status Report and Draft Briefing Charts for the LSSA, September 26, 1990.
48. SAIC, "Licensing Support System Organization Name Authority List," October 12, 1990.
49. NRC, "Procedures Applicable to Proceedings for the Issuance of Licenses for the Receipt of High-Level Radioactive Waste at a Geologic Repository," *Federal Register*, Vol. 56, No. 38, Tuesday, February 26, 1991, pp. 7787-99.
- *50. DOE, Examples of procedures related to records management, undated.
51. Guidance for CNWRA for FY 91-92, undated; includes:
 - a. Task 1 Description: Development of Access Protocols to Technical Data Related to the Licensing of a Geologic Repository for the Disposal of High-Level Radioactive Waste.
 - b. Task 2 Description: Development of an LSSA Document Loading Plan: An Evaluation of the HLW Program Information and Development of a Priority Document Loading Schedule.

Task Area 5 Maintain and Enhance the LSS Authority Files, including the LSS Thesaurus

- *52. Saracevic, Tefko. "Comparative Effects of Titles, Abstracts, and Full Texts on Relevance Judgments." *Proceedings of the American Society for Information Science*, Vol. 6, COOPERATING INFORMATION SOCIETIES, 32nd Annual Meeting, San Francisco, CA, October 1-4, 1969, pp. 293-299.

53. SAIC, "Licensing Support System Preliminary Prototype Header Design," May 13, 1988.
- *54. U.S. DOE, Letter to LSSARP, Re: Background Materials on LSS Headers, January 31, 1990; includes the following as attachments:
 1. "Draft Bibliographic Header Fields," revision 3, May 17, 1988.
 2. Draft "Minutes of the HLW Licensing Support System Advisory Committee Meeting," Washington, D.C., April 18-19, 1988.
 3. Conservation Foundation; NRC; and SAIC, "Information Retrieval Systems: A Tutorial," February 3, 1988.
55. OLSSA, briefing, "Development of LSSARP Header Recommendations," March 20, 1990.
56. "Abstracts for the LSS?" Draft, April 13, 1990.
57. NRC LSSARP Header Working Group, "Recommended Fields for LSS Header Records," May 18, 1990.
58. NRC LSSARP Header Working Group: "Recommended Fields for LSS Header Records, Letter," June 5, 1990.
59. OLSSA, "Information Paper on Abstracting in the Licensing Support System," September 12, 1990.
60. SAIC, "Licensing Support System Cataloging Manual," October 12, 1990.
61. SAIC, "Licensing Support System Organization Name Authority List," October 12, 1990.
- *62. NRC, examples of "Authority File" tables for the records management system NUDOCS, undated.

Task Area 6 Document Management Technical Assistance

- *63. Saracevic, Tefko. "Comparative Effects of Titles, Abstracts, and Full Texts on Relevance Judgments." *Proceedings of the American Society for Information Science*, Vol. 6, COOPERATING INFORMATION SOCIETIES, 32nd Annual Meeting, San Francisco, CA, October 1-4, 1969, pp. 293-299.
- *64. Tenopir, Carol. "Contributions of Value Added Fields and Full-Text Searching in Full-Text Databases." *National Online Meeting Proceedings - 1985*, New York, NY, April 30-May 2, 1985, pp. 463-470.

- *65. Blair, David C. and M. E. Maron. "An Evaluation of Retrieval Effectiveness for a Full-Text Document-Retrieval System." *Communications of the ACM*, 1985, pp. 289-299.
- *66. Salton, Gerard. "Another Look at Automatic Text-Retrieval Systems." *Communications of the ACM*, Vol. 29, No. 7, pp. 648-656, July 1986.
- *67. Ro, Jung So. "An Evaluation of the Applicability of Ranking Algorithms to Improve the Effectiveness of Full-Text Retrieval. I. On the Effectiveness of Full-Text Retrieval." *Journal of the American Society of Information Science*, 39(2):73-78, 1988.
- 68. U.S. DOE, *Licensing Support System Preliminary Data Scope Analysis*, DOE/RW-0210, January 1989.
- 69. U.S. DOE, *Licensing Support System Conceptual Design Analysis*, DOE/RW-0211, January 1989.
- 70. "Development of a Priority Document Production Schedule: A Discussion Paper," LSSA Issue Paper No. 1 prepared for review and discussion at the first meeting of the LSSARP, December 8, 1989.
- *71. Lancaster, F.W. and John S. Jordan. "Letters to the Editor." *Journal of the American Society for Information Science*, 40(5): 362-363, 1989.
- 72. SAIC, "Licensing Support System Prototype Test Report," February 16, 1990
- 73. CNWRA Trip Reports:
 - a. NRC/DOE Meeting on Technical Data, August 23-24, 1990, Yucca Mountain Project Office, Las Vegas, Nevada.
 - b. CNWRA Discussion with Representatives of the State of Nevada Regarding LSS Technical Data, September 18, 1990, Office of Malachy Murphy, Olympia, Washington.
- 74. SAIC, Draft "Licensing Support System Revised Data Scope Analysis," August 28, 1990.
- 75. Letter from CNWRA to OLSSA, subject: Task 1 Status Report and Draft Briefing Charts for the LSSA, September 26, 1990.
- 76. SAIC, "Communication System Design Document for the Licensing Support System," November 16, 1990.
- 77. SAIC, "Search and Image Design Document for the Licensing Support System," Volumes 1 and 2, November 16, 1990.

78. SAIC, LSS white papers, November 30, 1990:
1. Growth in Level 1 Workstations
 2. ASCII Text Storage Replication
 3. Data Load Design Alternatives
 4. User Interface Attributes
 5. Page Size Limit Decision
 6. Cost of Distributing the LSS Text Database
 7. Use of Facsimile (FAX) Transmission in the High-Level Waste Proceedings
 8. LEXICO Thesaurus Software
 9. 300 dpi Image Storage Density Decision
 10. LSS Search & Image System Partitions
 11. Copyright Law
 12. Selection of "C" as Preferred Program Language
 13. LSS Controlled Tests - Differential OCR Processing
79. SAIC, "Revised Cost Analysis for the Licensing Support System," December 10, 1990.
80. SAIC, "Licensing Support System Capture System Design Document," Revision 1, December 19, 1990.
81. SAIC, "Executive Summary to Licensing Support System Design Documentation," December 28, 1990.
- *82. Deerwester, Scott and Susan T. Dumais, George W. Furnas, and Thomas K. Landauer, and Richard Harshman. "Indexing by Latent Semantic Analysis." *Journal of the American Society for Information Science*, 41(6):391-407, 1990.
83. Briefings to LSSA, "Background on CNWRA," and "Overview of CNWRA Project for LSSA," undated.
84. Guidance for CNWRA for FY 91-92, undated; includes:
- a. Task 1 Description: Development of Access Protocols to Technical Data Related to the Licensing of a Geologic Repository for the Disposal of High-Level Radioactive Waste.
 - b. Task 2 Description: Development of an LSSA Document Loading Plan: An Evaluation of the HLW Program Information and Development of a Priority Document Loading Schedule.

Task Area 7 The LSS CREP Quality Management Plan

85. NRC, "Submission and Management of Records and Documents Related to the Licensing of a Geologic Repository for the Disposal of High-Level Radioactive Waste," (LSS Rule), *Federal Register*, Vol. 54, No. 71, Friday, April 14, 1989.
86. "Development of a Priority Document Production Schedule: A Discussion Paper," LSSA Issue Paper No. 1 prepared for review and discussion at the first meeting of the LSSARP, December 8, 1989.
87. Memorandum to LSSA staff from Lloyd Donnelly, "A Systematic Approach for Managing LSSA Activities that Focuses on Quality Results and Risk Avoidance," October 1, 1990; includes the following attachments:
 1. LSSA Process Management Approach that Focuses on Quality Results.
 2. Quality Management Plan for "Document and Technical Data Identification" - Example.
 3. Assignment of LSSA Process Management Responsibilities Based on MITRE's July 20, 1990, WBS.
88. Work Breakdown Structure, December, 1990.
89. NRC, "Procedures Applicable to Proceedings for the Issuance of Licenses for the Receipt of High-Level Radioactive Waste at a Geologic Repository," *Federal Register*, Vol. 56, No. 38, Tuesday, February 26, 1991, pp. 7787-99.
- *90. DOE, examples of procedures related to records management, undated.