

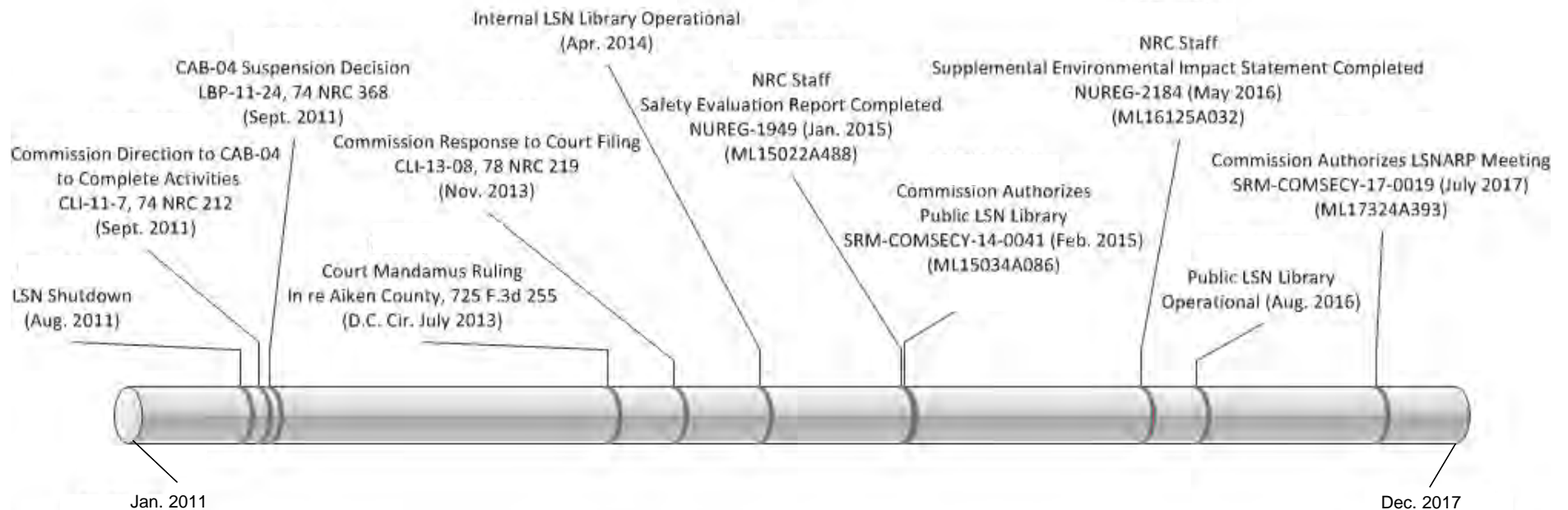
Licensing Support Network Advisory Review Panel Meeting

February 27 - 28, 2018

Status of Yucca Mountain Adjudicatory Process

Paul Bollwerk, Administrative Judge
Atomic Safety and Licensing Board Panel

Timeline



Questions?

History of the LSN and the ADAMS LSN Library

Margie Janney
Acting LSN Administrator

Purpose of the LSN

- NWPA requires NRC to evaluate DOE's application for a geologic repository
- NRC's licensing process
 - Technical review
 - Licensing adjudication
- LSN to make discovery material electronically available for initial construction authorization and “receive and possess” proceedings

LSN Development

- LSN Rule issued (1998)
- 10 C.F.R. Part 2, Subpart J provides specific rules governing a HLW discovery system
- LSNARP was created
- NRC submitted business case analysis (2000)
- LSN operational (2001-2011)

Functionality of Original LSN

- Requirements documented in Licensing Support Network Functional Requirements (ML003722859)
- LSN Guidelines (ML061380788)

LSN Comprised...

- 19 servers
- LAN environment
- Offsite data center
- www.lsnnet.gov
- Participant-operated web sites
 - Headers and documents
- LSN created index and pointed to the documents

Shutting Down the LSN

- HLW proceeding suspended Sept 2011
- CAB-04 issued April 2011 order
 - Participants to submit document collections to SECY
 - SECY to make documents publicly available in ADAMS
- NRC required to be compliant with NARA records requirements.

History of Public ADAMS LSN Library

- To help the NRC staff complete its HLW Safety Evaluation Report, the Commission directed entry of LSN documents into nonpublic ADAMS (11/2013, ML13322A744)
- Commission directed LSN document collections be made publicly available in ADAMS (01/2014, ML14024A429)
- Commission placed responsibility for LSN document activities with SECY and ASLBP (02/2015, ML15034A088)
- The project to make LSN document collections publicly available in ADAMS began in December 2015 (ML15335A395)
- In August 2016, the LSN Library became publicly available (ML16210A436)

Anomalies with ADAMS LSN Library

- LSN Library was verified using LSN Administrator's final list of LSN Accession Numbers and corresponding Participant Accession Numbers as provided to SECY (ML11209C291).
- Issues were found with 130 of the 3,692,306 LSN Library documents.
- Resolution of anomalies documented in the LSN Library Anomaly Resolution document (ML17087A500).

From LSN to LSN Library

- Since 2011, the NRC has acted to:
 - Preserve LSN documents from all parties.
 - Resolve anomalies in documents and indexes submitted by the parties.
 - Make LSN records available and searchable for the NRC staff and public in a new “LSN Library” database.

Questions?

Introduction of LSN Reconstitution/Replacement Options Paper

Margie Janney
Acting LSN Administrator

Underlying Assumptions

- Options will require modifications to or exemptions from parts of 10 C.F.R. Part 2, Subpart J
- ASLBP LSNA appointed to oversee design, implementation, and operation
- Hardware and software components that constituted the NRC portion of original LSN no longer available or supported
- Original LSN Guidelines to be updated by the LSNA, with the LSNARP, to provide technical guidance on the operation
- Reconstituted or replacement LSN needs to remain in operation through any judicial appellate proceedings following the receive and possess licensing proceeding
- Participant's 2011 bibliographic information still associated with each header and document
- Original LSN accession number can be used to find headers and documents in the public ADAMS LSN Library

Document Sizing Responses

- Inyo County = ~ 50 documents, no header only entries
- NEI = 100 to 500 documents, no header only entries
- State of Nevada = 1,000+ documents
- DOE = 1,000+ documents, 9% header only
 - Additional license application work and new contentions will influence the amount of new material
- NRC = 1,000 to 2,000 new documents, 1% header only
 - Significant uncertainties as to resumption of adjudication may impact estimate
- Nye County = 200 to 300 documents, 5% header only entries

General Objective of the Paper

- Outlines possible IT system options for the replacement of the original LSN
- Each option discussion includes
 - IT system implementation cost estimate
 - IT system implementation time estimate
 - IT system implementation risks and challenges
 - IT system implementation pros/cons
- Cost and time estimates were based on available information and intended to provide a comparison between options

High Level Overview

- Option 1 – Traditional Discovery
 - Existing public ADAMS LSN library used to access previously submitted documentary material
 - New material exchanged amongst the parties
- Option 2 – Use of Existing Public ADAMS LSN Library
 - Uses the already developed existing public ADAMS LSN library
 - Intake/modification processes would be developed using the EIE or a semi-automated process for new material
- Option 3 – Move to the Cloud
 - Previously submitted material moved from the existing public ADAMS LSN library to a cloud-based system
 - Intake/modification process moved to a cloud-based system for new material
- Option 4 – Rebuild the Original LSN

High Level Overview, cont'd.

- Appendix A provides a list of original LSN functional requirements that
 - Couldn't be met by one or more of the options
 - Would need to be modified
 - Appendix A does not include original LSN functional requirements that
 - Are not IT system related
 - Are currently provided by other systems
 - Have been overtaken by events
- Appendix B describes the risk factors that were considered for each option
- Appendix C lists proposed new functional requirements
- Appendix D is an options summary table



Questions?

E-Filing and the Electronic Hearing Docket

Russell Chazell
Assistant for Rulemakings and Adjudications
FACA Committee Management Officer
Office of the Secretary

Office of the Secretary (SECY)


- The Commission mandated electronic filing in 10 CFR 2.1013.
- 10 CFR 2.1013(a)(2) mandates that SECY manage the High Level Waste (HLW) docket.
- To facilitate electronic filing of HLW documents, the Electronic Information Exchange (EIE) and Electronic Hearing Docket (EHD) systems were developed and implemented.
- These systems are currently used for submission of adjudicatory documents.

E-Filing and the Electronic Hearing Docket

- Documents are filed using the NRC's Electronic Information Exchange (EIE) at
- <https://eie.nrc.gov/eie/adj/termsOfService.eie>


www.nrc.gov

• HOME | FAQ | GLOSSARY | FACILITY LOCATOR | WHAT'S NEW | SITE HELP | INDEX A-Z | CONTACT US | EMAIL UPDATES | LISTEN TO PAGE




United States Nuclear Regulatory Commission
Protecting People and the Environment

SEARCH




[NUCLEAR REACTORS](#) | [NUCLEAR MATERIALS](#) | [RADIOACTIVE WASTE](#) | [NUCLEAR SECURITY](#) | [PUBLIC MEETINGS & INVOLVEMENT](#) | [NRC LIBRARY](#) | [ABOUT NRC](#)



Facility Locator
[Locate Now](#) » a facility near you.

STAY CONNECTED

[Blog](#) [Facebook](#) [Twitter](#)
[YouTube](#) [RSS](#) [Email](#)



Senate Committee on Environment and Public Works
Chairman John Barrasso (R-Wyoming) and Ranking Member Tom Carper (D-Delaware), on left, shake hands with NRC Chairman Gregory B. Babbitt, on right.

1 2 3 4 5

Commission Meeting Webcasts
Next Commission Webcast
[January 25, 2018 at 10:00 a.m.]

Event Reports
Reports Associated with Events
[Read more »](#)

ADAMS Public Documents
Search and view NRC's public documents
[Read more »](#)

Open Government
NRC Approach to Open/Digital Government
[Read more »](#)


The Student Corner
Information for Students and Teachers

Spotlight

- Rulemaking Activity
- Advanced Reactors
- Strategic Plan
- Pilgrim Oversight
- Project Aim
- Commission Documents

News & Speeches

January 18, 2018

 NRC Seeks to Fill Open Reactor Safeguards Advisory Committee Position

[More News »](#) [More Speeches »](#)

Public Meetings

January 25 2018

S	M	Tu	W	Th	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20

www.nrc.gov

Strategic Plan

Pilgrim Oversight

Project Aim

Commission Documents

Japan Lessons Learned

Seabrook Concrete Degradation

NRC Safety Culture Policy Statement

New Reactor Construction

Spotlight Archive »

Safeguards Advisory Committee Position

More News »

More Speeches »

S	M	Tu	W	Th	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

« Prev Today Next »

RIC 2018

March 13-15

30th Annual Regulatory Information Conference

2018 Regulatory Information Conference

The Student Corner

Information for Students and Teachers

Read more »

In a Nuclear Emergency ...

Know what to do

Read more »

HOME

NEWS RELEASES

EVENT REPORTS

ADAMS

OPEN GOV

DIGITAL GOVERNMENT

THE STUDENT CORNER

PHOTOS & VIDEO

FOR DEVELOPERS

ABOUT US

STRATEGIC PLAN

BUDGET & PERFORMANCE

AGENCY FINANCIAL REPORT

LICENSE FEES

HISTORY OF THE NRC

CAREER OPPORTUNITIES

NRC ETHICS

AGENCY STATUS

CONTACT US

POPULAR DOCUMENTS

INFO DIGEST

FACT SHEETS & BROCHURES

FORMS

ELECTRONIC SUBMITTALS APPLICATION

ADJUDICATORY SUBMISSIONS

NRC REPORTS – NUREG

NRC REGULATIONS – 10-CFR

INSPECTION REPORTS

PLAIN WRITING

ENFORCEMENT ACTIONS

RULEMAKING

STAY CONNECTED

BLOG

FACEBOOK

TWITTER

YOUTUBE

FLICKR

GOVDELIVERY

RSS

Regulations.gov

USA.gov

Recovery

FOIA

No Fear EEO

Inspector General Programs

Site Map

Accessibility

Privacy Policy

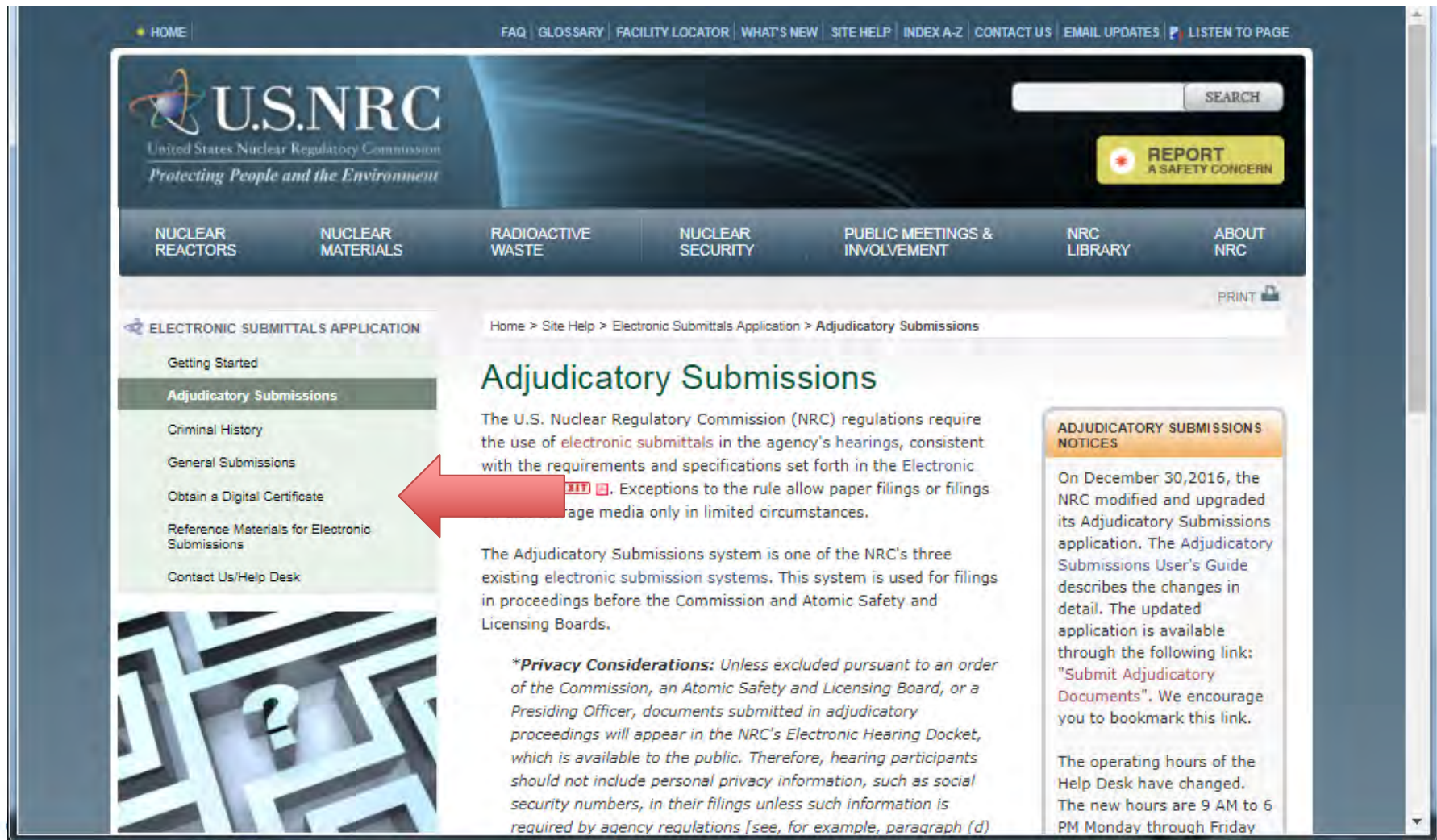
Site Disclaimer

For Employees

E-Filing and the Electronic Hearing Docket

- A digital certificate is needed to access the application.
- One can be obtained at <https://pki.nrc.gov/ecs/>, then click on Electronic Submittals - Adjudicatory

Adjudicatory Submissions – Obtain a Digital Certificate



The screenshot displays the U.S. Nuclear Regulatory Commission (NRC) website. The top navigation bar includes links for HOME, FAQ, GLOSSARY, FACILITY LOCATOR, WHAT'S NEW, SITE HELP, INDEX A-Z, CONTACT US, EMAIL UPDATES, and LISTEN TO PAGE. The main header features the U.S. NRC logo and the tagline "Protecting People and the Environment". A search bar and a "REPORT A SAFETY CONCERN" button are also present. The main content area is titled "Adjudicatory Submissions" and includes a breadcrumb trail: Home > Site Help > Electronic Submittals Application > Adjudicatory Submissions. The left sidebar lists various options under "ELECTRONIC SUBMITTALS APPLICATION", with "Obtain a Digital Certificate" highlighted by a red arrow. The main text explains that the NRC requires the use of electronic submittals and provides information about the Adjudicatory Submissions system, including a link to the "Submit Adjudicatory Documents" and a notice about the updated application. A "Privacy Considerations" section is also visible, stating that documents submitted in adjudicatory proceedings will appear in the NRC's Electronic Hearing Docket.

U.S. NRC
United States Nuclear Regulatory Commission
Protecting People and the Environment

HOME | FAQ | GLOSSARY | FACILITY LOCATOR | WHAT'S NEW | SITE HELP | INDEX A-Z | CONTACT US | EMAIL UPDATES | LISTEN TO PAGE

SEARCH

REPORT A SAFETY CONCERN

NUCLEAR REACTORS | NUCLEAR MATERIALS | RADIOACTIVE WASTE | NUCLEAR SECURITY | PUBLIC MEETINGS & INVOLVEMENT | NRC LIBRARY | ABOUT NRC

PRINT

ELECTRONIC SUBMITTALS APPLICATION

- Getting Started
- Adjudicatory Submissions**
- Criminal History
- General Submissions
- Obtain a Digital Certificate
- Reference Materials for Electronic Submissions
- Contact Us/Help Desk

Home > Site Help > Electronic Submittals Application > Adjudicatory Submissions

Adjudicatory Submissions

The U.S. Nuclear Regulatory Commission (NRC) regulations require the use of **electronic submittals** in the agency's hearings, consistent with the requirements and specifications set forth in the Electronic **HEH** **HEH**. Exceptions to the rule allow paper filings or filings on large media only in limited circumstances.

The Adjudicatory Submissions system is one of the NRC's three existing electronic submission systems. This system is used for filings in proceedings before the Commission and Atomic Safety and Licensing Boards.

***Privacy Considerations:** Unless excluded pursuant to an order of the Commission, an Atomic Safety and Licensing Board, or a Presiding Officer, documents submitted in adjudicatory proceedings will appear in the NRC's Electronic Hearing Docket, which is available to the public. Therefore, hearing participants should not include personal privacy information, such as social security numbers, in their filings unless such information is required by agency regulations [see, for example, paragraph (d)]

ADJUDICATORY SUBMISSIONS NOTICES

On December 30, 2016, the NRC modified and upgraded its Adjudicatory Submissions application. The Adjudicatory Submissions User's Guide describes the changes in detail. The updated application is available through the following link: ["Submit Adjudicatory Documents"](#). We encourage you to bookmark this link.

The operating hours of the Help Desk have changed. The new hours are 9 AM to 6 PM Monday through Friday

External Credential Service

U.S.NRC
United States Nuclear Regulatory Commission
Protecting People and the Environment

HOME | FAQ | GLOSSARY | FACILITY LOCATOR | WHAT'S NEW | SITE HELP | INDEX A-Z | CONTACT US | BROWSE ALOUD | EMAIL UPDATES

Enter your search SEARCH

REPORT
A SAFETY CONCERN

NUCLEAR REACTORS | NUCLEAR MATERIALS | RADIOACTIVE WASTE | NUCLEAR SECURITY | PUBLIC MEETINGS & INVOLVEMENT | NRC LIBRARY | ABOUT NRC

PRINT

EXTERNAL CREDENTIAL SERVICE

- Integrated Source Management Portfolio
- EIE - Adjudicatory Proceedings
- EIE - Criminal History
- EIE - General Forms
- EIE - Operator Licensing Application
- Emergency Response Data System
- NMSS - State Communication Portal

CREDENTIALING OVERVIEW

- Level 3
- Level 1

RESOURCES

- User Guides

Home > Site Help > External Credential Service

External Credential Service

Login

Welcome to the NRC Digital Credential Center. The purpose of this site is to enable the users of various NRC applications to establish a more secure form of Identity.

To view the NRC applications currently participating in this NRC digital credentialing program, select one of the links below: As additional applications become available their links will be added.

-->

- Integrated Source Management Portfolio (ISMP)
- Electronic Submittals - Adjudicatory
- Electronic Submittals - Criminal History
- Electronic Submittals - General Forms

Apply Now

The screenshot shows the U.S. Nuclear Regulatory Commission (NRC) website. The header includes navigation links: HOME, FAQ, GLOSSARY, FACILITY LOCATOR, WHAT'S NEW, SITE HELP, INDEX A-Z, CONTACT US, BROWSE ALOUD, and EMAIL UPDATES. The U.S. NRC logo is prominently displayed with the tagline "Protecting People and the Environment". A search bar and a "REPORT A SAFETY CONCERN" button are also visible. The main navigation menu includes: NUCLEAR REACTORS, NUCLEAR MATERIALS, RADIOACTIVE WASTE, NUCLEAR SECURITY, PUBLIC MEETINGS & INVOLVEMENT, NRC LIBRARY, and ABOUT NRC. The page title is "External Credential Service for the Electronic Submittals - Adjudicatory Proceedings". The breadcrumb trail reads: Home > Site Help > External Credential Service > DCC for the Electronic Submittals - Adjudicatory Proceedings. The left sidebar contains links for "EXTERNAL CREDENTIAL SERVICE" (Integrated Source Management Portfolio, EIE - Adjudicatory Proceedings, EIE - Criminal History, EIE - General Forms, EIE - Operator Licensing Application, Emergency Response Data System, NMSS - State Communication Portal), "CREDENTIALING OVERVIEW" (Level 3, Level 1), and "RESOURCES" (User Guides). The main content area explains the "Adjudicatory Submissions" system and its use for filings before the Commission or Atomic Safety and Licensing Board proceedings. It states that the U.S. NRC regulations require the use of electronic submittals, consistent with the requirements and specifications set forth in the Electronic filing rule (72 FR 49, 139). Exceptions to the rule allow paper filings or filings on disc storage media only in limited circumstances. It provides a link to the "Adjudicatory Submissions Website" for more details. It also explains that the system is a secure, web-based database and that users must obtain a digital credential, which is a digital certificate. A digital certificate is an electronic identification which establishes a user's credentials when processing transactions on the Web. The use of digital certificates allows the "Adjudicatory Submissions System" to uniquely identify each user. The process of obtaining the digital certificate is called credentialing. It provides a link to the "Credentialing Overview" for more details on the credentialing process. At the bottom, there is a red arrow pointing to the "Apply now!" link, followed by contact information for the NRC's Electronic Submittals Help Desk at 866-672-7640, or email your request to [EIE Help Desk](#).

U.S. NRC
United States Nuclear Regulatory Commission
Protecting People and the Environment

Home > Site Help > External Credential Service > DCC for the Electronic Submittals - Adjudicatory Proceedings

External Credential Service for the Electronic Submittals - Adjudicatory Proceedings

The [Adjudicatory Submissions](#) system is used for filings in proceedings before the Commission or Atomic Safety and Licensing Board proceedings. The U.S. Nuclear Regulatory Commission (NRC) regulations require the use of electronic submittals in the agency's hearings, consistent with the requirements and specifications set forth in the Electronic filing rule (72 FR 49, 139). Exceptions to the rule allow paper filings or filings on disc storage media only in limited circumstances.

For more details on this program, please visit the [Adjudicatory Submissions Website](#).

This system is a secure, web-based database. In order to access this application, a user must obtain a digital credential. This credential is a digital certificate. A digital certificate is an electronic identification which establishes a user's credentials when processing transactions on the Web. The use of digital certificates allows the [Adjudicatory Submissions System](#) to uniquely identify each user. The process of obtaining the digital certificate is called credentialing.

For more details on the credentialing process, please visit [Credentialing Overview](#).

Apply now!

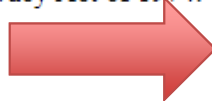
If you have any questions or concerns, please contact the NRC's Electronic Submittals Help Desk at 866-672-7640, or email your request to [EIE Help Desk](#)

Level 1 Credentialing

WARNING

WARNING: By accessing and using this U.S. Government computer system, you are consenting to system monitoring for network administration and security purposes. Anyone who attempts to gain unauthorized access to, or exceed authorized access to, this computer system in violation of 18 United States Code, Section 1030, may be referred to the FBI and the CIA for investigation and prosecution.

Authorized uses of this computer system by public users are limited to enrollment for a credential by those with a legitimate need to conduct business with the U.S. Nuclear Regulatory Commission, and maintenance of the user's own information and credential. This computer system requires that you provide personal information to the U.S. Nuclear Regulatory Commission. Any personal information submitted will be protected under the provisions of the Privacy Act of 1974.



[Continue to Level 1 Credentialing](#) [Exit](#)

Digital Credential Request

ENROLLMENT

LOGIN

Digital Credential Request - Registration Information

Please enter the following information and then click *Continue* to go to next screen.

First Name:

Middle:

Last:

Suffix:

Company Name:

Business Email:

Create Password:

Confirm Password:

Company Phone Number:

Extension:

Authentication Questions

Please answer the following questions, Answers will be automatically converted to upper-case.

Security Question 1:

Security Question 2:

Applicant Notes:

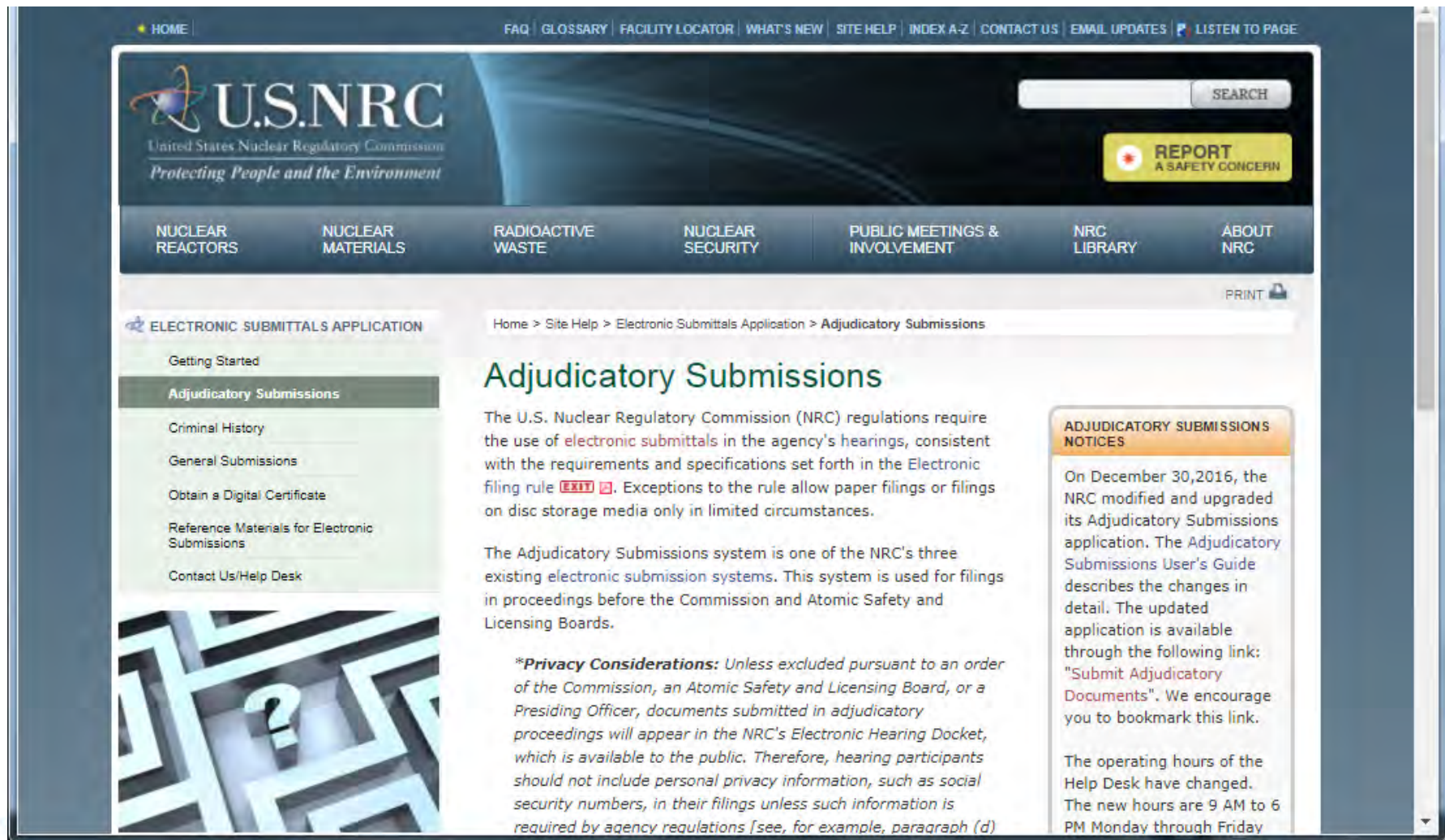
Indicates a required field

Indicates a required field

Continue

Cancel

Adjudicatory Submissions



The screenshot displays the U.S. Nuclear Regulatory Commission (NRC) website. At the top, a navigation bar includes links for HOME, FAQ, GLOSSARY, FACILITY LOCATOR, WHAT'S NEW, SITE HELP, INDEX A-Z, CONTACT US, EMAIL UPDATES, and LISTEN TO PAGE. The U.S. NRC logo is prominently featured, along with the tagline "Protecting People and the Environment". A search bar and a "REPORT A SAFETY CONCERN" button are also visible. Below the header, a menu lists various topics: NUCLEAR REACTORS, NUCLEAR MATERIALS, RADIOACTIVE WASTE, NUCLEAR SECURITY, PUBLIC MEETINGS & INVOLVEMENT, NRC LIBRARY, and ABOUT NRC. The main content area is titled "Adjudicatory Submissions" and includes a sidebar with links to "ELECTRONIC SUBMITTALS APPLICATION", "Getting Started", "Adjudicatory Submissions", "Criminal History", "General Submissions", "Obtain a Digital Certificate", "Reference Materials for Electronic Submissions", and "Contact Us/Help Desk". The main text explains that the NRC requires the use of electronic submittals in its hearings, consistent with the requirements and specifications set forth in the Electronic filing rule (E-117). It also mentions that exceptions to the rule allow paper filings or filings on disc storage media only in limited circumstances. A section titled "ADJUDICATORY SUBMISSIONS NOTICES" provides information about the NRC's modified and upgraded adjudicatory submissions application, including a link to the "Submit Adjudicatory Documents" page. A "Privacy Considerations" section states that documents submitted in adjudicatory proceedings will appear in the NRC's Electronic Hearing Docket, which is available to the public. The page also includes a "PRINT" button and a "Home > Site Help > Electronic Submittals Application > Adjudicatory Submissions" breadcrumb trail.

U.S. NRC
United States Nuclear Regulatory Commission
Protecting People and the Environment

HOME | FAQ | GLOSSARY | FACILITY LOCATOR | WHAT'S NEW | SITE HELP | INDEX A-Z | CONTACT US | EMAIL UPDATES | LISTEN TO PAGE

SEARCH

REPORT A SAFETY CONCERN

NUCLEAR REACTORS | NUCLEAR MATERIALS | RADIOACTIVE WASTE | NUCLEAR SECURITY | PUBLIC MEETINGS & INVOLVEMENT | NRC LIBRARY | ABOUT NRC

PRINT

ELECTRONIC SUBMITTALS APPLICATION

Getting Started
Adjudicatory Submissions
Criminal History
General Submissions
Obtain a Digital Certificate
Reference Materials for Electronic Submissions
Contact Us/Help Desk

Home > Site Help > Electronic Submittals Application > Adjudicatory Submissions

Adjudicatory Submissions

The U.S. Nuclear Regulatory Commission (NRC) regulations require the use of **electronic submittals** in the agency's hearings, consistent with the requirements and specifications set forth in the Electronic filing rule (E-117). Exceptions to the rule allow paper filings or filings on disc storage media only in limited circumstances.

The Adjudicatory Submissions system is one of the NRC's three existing electronic submission systems. This system is used for filings in proceedings before the Commission and Atomic Safety and Licensing Boards.

***Privacy Considerations:** Unless excluded pursuant to an order of the Commission, an Atomic Safety and Licensing Board, or a Presiding Officer, documents submitted in adjudicatory proceedings will appear in the NRC's Electronic Hearing Docket, which is available to the public. Therefore, hearing participants should not include personal privacy information, such as social security numbers, in their filings unless such information is required by agency regulations [see, for example, paragraph (d)].

ADJUDICATORY SUBMISSIONS NOTICES

On December 30, 2016, the NRC modified and upgraded its Adjudicatory Submissions application. The Adjudicatory Submissions User's Guide describes the changes in detail. The updated application is available through the following link: ["Submit Adjudicatory Documents"](#). We encourage you to bookmark this link.

The operating hours of the Help Desk have changed. The new hours are 9 AM to 6 PM Monday through Friday.

Adjudicatory Submissions

The screenshot shows the U.S. Nuclear Regulatory Commission's website. The main content area is titled "Adjudicatory Submissions". It includes a "Spotlight" section with a "CHOOSE A SECTION" dropdown. A red arrow points to the "Submit Adjudicatory Documents" link in the "Related Instructional Resources" section. The page also features a "Help Desk" section with updated operating hours and contact information. The footer contains navigation links for HOME, ABOUT US, POPULAR DOCUMENTS, and STAY CONNECTED.

proceedings will appear in the NRC's Electronic Hearing Docket, which is available to the public. Therefore, hearing participants should not include personal privacy information, such as social security numbers, in their filings unless such information is required by agency regulations [see, for example, paragraph (d) (1)(i) of 10 CFR 2.309] or other legal requirements.

- [Submit Adjudicatory Documents](#)

(Note: The Adjudicatory Submissions system supports Internet Explorer v8.0 and above, current versions of Firefox, Chrome and Safari 10 and above.)

Related Instructional Resources

- [Getting Started](#)

[TOP](#)

Page Last Reviewed/Updated Tuesday, August 15, 2017

HOME
NEWS RELEASES
EVENT REPORTS
ADAMS
OPEN GOV
DIGITAL GOVERNMENT
THE STUDENT CORNER
PHOTOS & VIDEO
FOR DEVELOPERS

ABOUT US
STRATEGIC PLAN
BUDGET & PERFORMANCE
AGENCY FINANCIAL REPORT
LICENSE FEES
HISTORY OF THE NRC
CAREER OPPORTUNITIES
NRC ETHICS
AGENCY STATUS
CONTACT US


POPULAR DOCUMENTS
INFO DIGEST
FACT SHEETS & BROCHURES
FORMS
ELECTRONIC SUBMITTALS APPLICATION
ADJUDICATORY SUBMISSIONS
NRC REPORTS – NUREG
NRC REGULATIONS – 10-CFR
INSPECTION REPORTS
PLAIN WRITING
ENFORCEMENT ACTIONS

STAY CONNECTED
[BLOG](#)
[FACEBOOK](#)
[TWITTER](#)
[YOUTUBE](#)
[FLICKR](#)
[GOVDELIVERY](#)
[RSS](#)

Electronic Information Exchange

Electronic Information Exchange

United States Nuclear Regulatory Commission
Protecting People and the Environment



Welcome to the NRC Electronic Information Exchange System
Terms of Service

USE OF THIS COMPUTER CONSTITUTES A CONSENT TO MONITORING

This computer system is for official or authorized use only. Federal computer systems are subject to monitoring for maintenance, to preserve system integrity and security, and for other official purposes. You should not expect privacy, nor protection of privileged communication with your personal attorney, regarding information you create, send, receive, use, or store on this system. If monitoring reveals possible evidence of violation of criminal statutes, this evidence and any related information, including your identification, may be provided to law enforcement officials, including the Office of the Inspector General. Anyone who violates security regulations or makes unauthorized use of Federal computer systems is subject to criminal prosecution and/or disciplinary action.

UNAUTHORIZED ACCESS PROHIBITED BY LAW - TITLE 18 U.S. CODE SECTION 1030

Public Law 99-474 provides that anyone who accesses a Federal computer system without authorization, and by means of such conduct obtains, alters, damages, destroys, or discloses information, or prevents authorized use of information on the computer, shall be subject to fine or imprisonment, or both.

REPORT ANY UNAUTHORIZED USE TO COMPUTER SECURITY AND THE INSPECTOR GENERAL

☒ I consent to monitoring ☐ I do not consent to monitoring

Continue

Exit



EIE Adjudicatory Main Page



The screenshot shows the EIE Adjudicatory Main Page. At the top, there is a header with the text "EIE Adjudicatory" on the left and the U.S. NRC logo on the right, which includes the text "United States Nuclear Regulatory Commission" and "Protecting People and the Environment". Below the header is a navigation bar with links: "Home", "Request Access To Proceeding", "New Submission", "Other User Functions", "Help", and "Logout". The main content area features a welcome message: "Welcome to the EIE Adjudicatory application". Below this is a red arrow pointing upwards to the word "Welcome". To the right of the arrow is the text "System Announcement" in blue, followed by "June 21, 2017" in blue. The announcement text reads: "It has been reported that some users have encountered issues in attempting to access files when the related service list notice refers to a submission containing more than one attachment. Our experience is that the system works best when using either SecureZip or WinZip products. Both of these product are available for download free of charge from their vendors. Other compression software products work but our experience is that these two are most suitable for this application. We encourage our users to adopt one of these two products as their file compression products. Should you have questions or comments about these changes please contact our help desk at 866-672-7640 weekdays between 9AM and 6PM Eastern Time."

EIE Adjudicatory

United States Nuclear Regulatory Commission
Protecting People and the Environment **U.S.NRC**

Home Request Access To Proceeding New Submission Other User Functions Help Logout

Welcome to the EIE Adjudicatory application

System Announcement

June 21, 2017

It has been reported that some users have encountered issues in attempting to access files when the related service list notice refers to a submission containing more than one attachment.

Our experience is that the system works best when using either SecureZip or WinZip products. Both of these product are available for download free of charge from their vendors. Other compression software products work but our experience is that these two are most suitable for this application.

We encourage our users to adopt one of these two products as their file compression products.

Should you have questions or comments about these changes please contact our help desk at 866-672-7640 weekdays between 9AM and 6PM Eastern Time.

Public Submission

The screenshot shows the 'EIE Adjudicatory' website interface. At the top, the header includes the text 'United States Nuclear Regulatory Commission' and 'Protecting People and the Environment' alongside the 'U.S.NRC' logo. Below the header is a navigation bar with links: 'Home', 'Request Access To Proceeding', 'New Submission', 'Other User Functions', 'Help', and 'Logout'. The 'New Submission' dropdown menu is open, displaying three options: 'Public Submission' (with a red arrow pointing to it), 'Non-Public Submission', and 'Legal In-Camera Submission'. Each option includes a brief description of its visibility. The main content area on the left contains a 'Welcome' message and a notice about file compression, stating that users should adopt one of two products for file compression. The right side of the page shows a 'Public Application' section with a 'Content' heading and a paragraph about downloading products free of charge.

EIE Adjudicatory

United States Nuclear Regulatory Commission
Protecting People and the Environment **U.S.NRC**

Home Request Access To Proceeding **New Submission** Other User Functions Help Logout

Public Submission
(This submission can be viewed by all participants and members of the public)

Non-Public Submission
(This submission can be viewed only by individuals selected by you from the proceeding service list)

Legal In-Camera Submission
(The contents of In-Camera submissions are delivered only to the presiding officer(s) of the selected proceeding)

Welcome

It has been reported that some users have encountered more than one attachment.

Our experience is that the system works best when files are compressed from their vendors. Other compression software may not be compatible.

We encourage our users to adopt one of these two products as their file compression products.

Should you have questions or comments about these changes please contact our help desk at 866-672-7640 weekdays between 9AM and 6PM Eastern Time.

Public Application

Content

The related service list notice refers to a submission containing the following information:

Some of these products are available for download free of charge. Others are most suitable for this application.

Proceeding Selection

EIE Adjudicatory

United States Nuclear Regulatory Commission
Protecting People and the Environment

U.S.NRC

Home Request Access To Proceeding New Submission ▾ Other User Functions ▾ Help Logout

NRC Electronic Adjudicatory Submissions

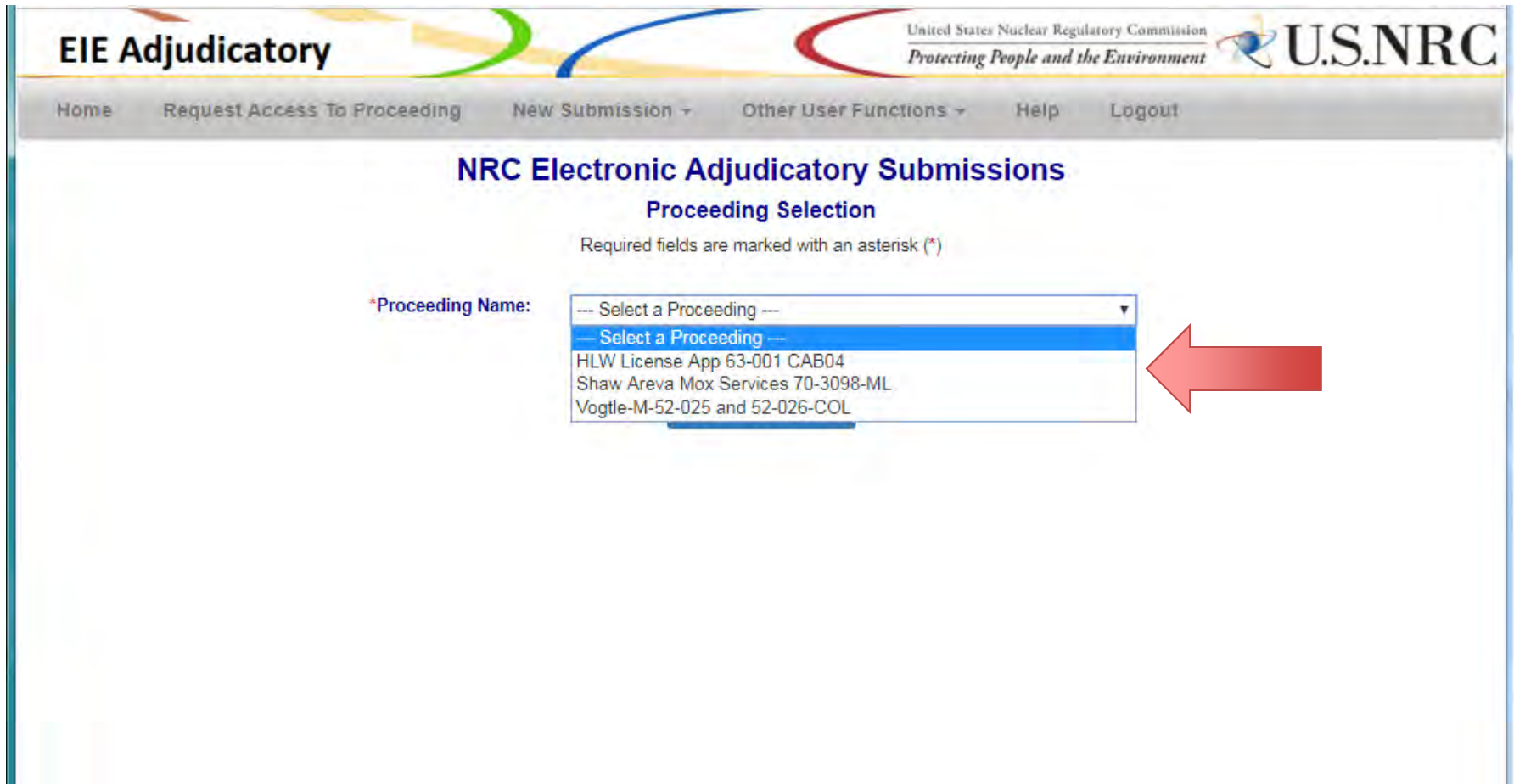
Proceeding Selection

Required fields are marked with an asterisk (*)

*Proceeding Name: --- Select a Proceeding ---

Continue

Proceeding Selection, cont'd.



EIE Adjudicatory

United States Nuclear Regulatory Commission
Protecting People and the Environment

U.S.NRC

Home Request Access To Proceeding New Submission ▾ Other User Functions ▾ Help Logout

NRC Electronic Adjudicatory Submissions

Proceeding Selection

Required fields are marked with an asterisk (*)


*Proceeding Name:

--- Select a Proceeding ---
--- Select a Proceeding ---
HLW License App 63-001 CAB04
Shaw Areva Mox Services 70-3098-ML
Vogtle-M-52-025 and 52-026-COL

Adjudicatory Submission Form

EIE Adjudicatory

United States Nuclear Regulatory Commission
Protecting People and the Environment



HomeRequest Access To ProceedingNew Submission ▾Other User Functions ▾HelpLogout

NRC Electronic Adjudicatory Submissions

Public Submission

Required fields are marked with an asterisk (*)

This is a public submission. That is, all parties to this proceeding will receive an e-mail notice that contains a link permitting the recipient to retrieve a copy of the submission. Subsequently (within no more than 3 business days) it will be posted in the public docket and will be available for review by the general public.

Each submission must have at least one file attached. You may attach multiple files to a single submission so long as no single file is larger than 100 mb and the aggregate size of the attached files does not exceed 100 mb.

Neither the Submission Title nor the Document Title fields may contain more than 1000 characters and they may not include any of the following characters: & " / \ < > | ? *. A file name may not exceed 85 characters.

Submitter's Information

Submitter Name	Andrew Welkie	Submitter Affiliation	nrc
Email Address	Andrew.Welkie@nrc.gov	Certificate Expiration Date	12/19/2020


Proceeding Information

Proceeding Name	HLW License App 63-001 CAB04		
Presiding Officer(s)	Paul Ryerson	Richard Wardwell	

Adjudicatory Submission Form

EIE Adjudicatory

United States Nuclear Regulatory Commission
Protecting People and the Environment



HomeRequest Access To ProceedingNew Submission ▾Other User Functions ▾HelpLogout

Submission Information

Submission Title *

Submission Comment

Attachment File(s)

Please indicate in the check box(es) below whether the attached file(s) Contain Copyright Material (CCM).

*File Name	*Document Type	*Document Title	CCM	Action
<div>Choose FileNo file chosen</div>	<div></div>	<div></div>	<div></div>	<div>Remove</div>

Add Another File

Total File Size (KB):


Service List

Name	Email	Notify
------	-------	--------














Adjudicatory Submission Form

EIE Adjudicatory


United States Nuclear Regulatory Commission
Protecting People and the Environment






HomeRequest Access To ProceedingNew Submission ▾Other User Functions ▾HelpLogout

Christopher Clare	cclare@clarkhill.com	
Connie Simkins	jcciac@co.lincoln.nv.us	
Cyrus Nezhad	cyrus.nezhad@hq.doe.gov	
Danielle French	daniellef@atg.wa.gov	
David A. Repka	dreпка@winston.com	
Diane J Curran	dcurran@harmoncurran.com	
Felicia M. Brooks	fbrooks@ndnlaw.com	
George Bollwerk	paul.bollwerk@nrc.gov	
Greg James	gljames@earthlink.net	
Hearing Docket Hearing Docket	hearingdocket@nrc.gov	
Herald M Speiser	herald.speiser@nrc.gov	
James Bennett McRae	ben.mcrae@hq.doe.gov	
Jay Silberg	jay.silberg@pillsburylaw.com	


Adjudicatory Submission Form

EIE Adjudicatory  United States Nuclear Regulatory Commission
Protecting People and the Environment














Home Request Access To Proceeding New Submission + Other User Functions + Help Logout

Jessica Bielecki	jessica.bielecki@nrc.gov	
Kirk C Oliver	kirk.oliver@energy.ca.gov	
Laurie L Borski	lborski@nuclearlawyer.com	
Linda Mathias	yuccainfo@mineralcountynv.org	
Loreen Pitchford	nwop@comcast.net	
Megan Hey	megan.hey@doj.ca.gov	
Michael Berger	michael@lawofficeofmichaelberger.com	
Mike Baughman	mikebaughman@charter.net	
OCAEmail OCAEmail	ocaemail@nrc.gov	
OGCMail Center	ogcmailcenter@nrc.gov	
Patricia Larimore	plarimore@talisman-intl.com	
Phil Klevorick	klevorick@clarkcountynv.gov	

Adjudicatory Submission Form

EIE Adjudicatory  United States Nuclear Regulatory Commission
Protecting People and the Environment

Home Request Access To Proceeding New Submission + Other User Functions + Help Logout

Philip R. Mahowald	pmahowald@piic.org	
Rhonda Rollerson	rrollerson@morganlewis.com	
Robert Andersen	randersen@clarkhill.com	
Robert Hanna	robert@lawofficeofmichaelberger.com	
Ross Colburn	rcolburn@ndnlaw.com	
Ross Shealy	rshealy@hsblawfirm.com	
Rovianne Leigh	rleigh@berkeywilliams.com	
Samantha Cibula	scibula@psc.state.fl.us	
Stephanie Meharg	smeharg@hunton.com	
Susan Montesi	smontesi@nuclearlawyer.com	
Teresa Trippel	teresat@atg.wa.gov	
Thomas Ryan (affiliate)	tom.ryan@nrc.gov	
Thomas Poindexter	tpoindexter@morganlewis.com	

Adjudicatory Submission Form

EIE Adjudicatory

United States Nuclear Regulatory Commission
Protecting People and the Environment

U.S.NRC

HomeRequest Access To ProceedingNew Submission ▾Other User Functions ▾HelpLogout

Timothy Sullivan	timothy.sullivan@doj.ca.gov	
Timothy J V Walsh	timothy.walsh@pillsburylaw.com	

Submitter Signature

1. If signature blocks on the submission are appropriately prepared in accord with 10 C.F.R. 2.304(d)(1), activating the "Sign" button fulfills the signature requirement of section 2.304(d). Signing this form will generate the date of signature on the line below. Filers should be aware, however, that any questions about the the timeliness of any submission will be governed by when the "Submit" button is used to actually transmit the submission to the agency.

2. The "Submit" button sends the submission to the NRC where it is first scanned for computer viruses. Following a "clean" scan, an email notice of the submission will be sent to the parties selected on the service list. If the submission does not pass the virus scan, you will be notified and asked to re-submit.

Signature:**Date:**

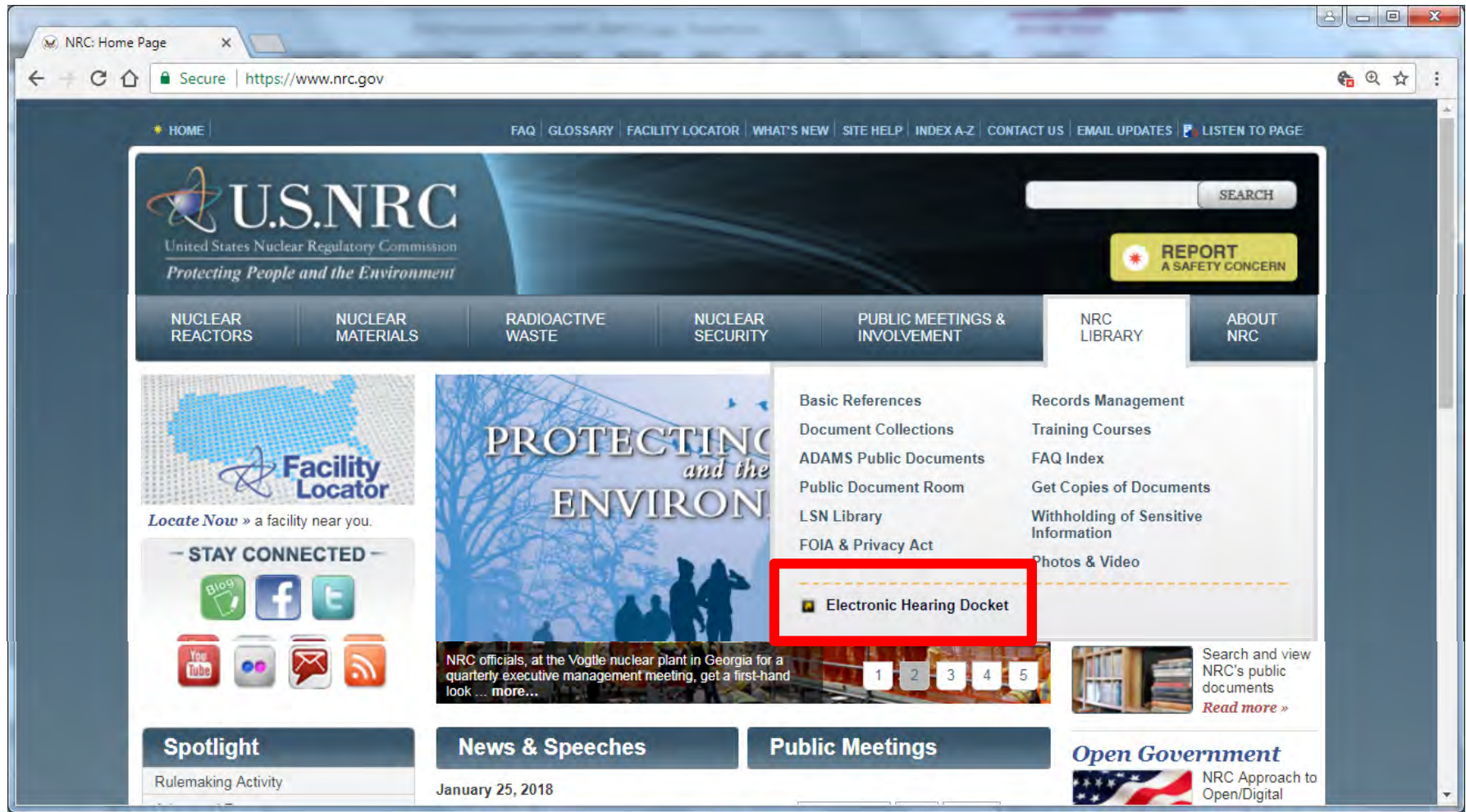
Sign**Submit**

© Copyright 2018 NRC

E-Filing and the Electronic Hearing Docket

- Adjudicatory documents are housed in the Electronic Hearing Docket (EHD)
 - The EHD can be accessed at <http://adams.nrc.gov/ehd/>
 - The EHD can also be accessed from the main www.nrc.gov webpage under NRC Library, then Electronic Hearing Docket, then about 2/3 of the way down the page, Access the Electronic Hearing Docket
- Documentary materials are housed in the Licensing Support Network (LSN)

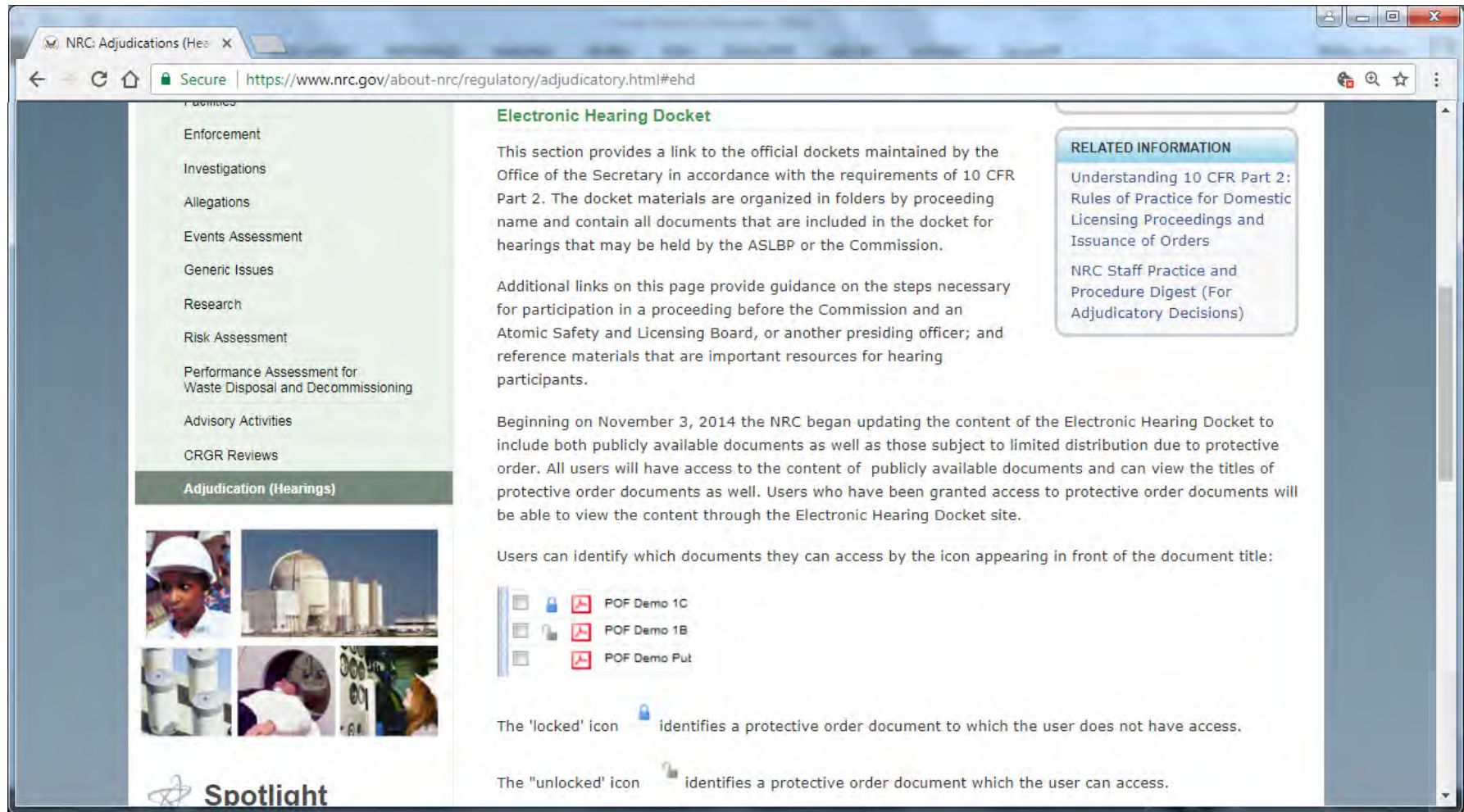
www.nrc.gov



Access the Electronic Hearing Docket

The screenshot displays the U.S. Nuclear Regulatory Commission (NRC) website. The browser address bar shows the URL: <https://www.nrc.gov/about-nrc/regulatory/adjudicatory.html#ehd>. The page features a dark blue header with the NRC logo and tagline "Protecting People and the Environment". A navigation menu includes links for HOME, FAQ, GLOSSARY, FACILITY LOCATOR, WHAT'S NEW, SITE HELP, INDEX A-Z, CONTACT US, EMAIL UPDATES, and LISTEN TO PAGE. A search bar and a "REPORT A SAFETY CONCERN" button are also present. The main content area is titled "Adjudications (Hearings)" and includes a breadcrumb trail: Home > About NRC > How We Regulate > Adjudication (Hearings). The text explains that under the Atomic Energy Act, Congress established an adjudicatory process for public involvement in hearings. A link to the "Electronic Hearing Docket" is provided, stating it offers access to official dockets maintained by the Office of the Secretary. A sidebar on the left lists "HOW WE REGULATE" activities: Rulemaking, Guidance Development, Generic Communications Program, Standards Development, Licensing, Certification, Inspection, Assessment of Performance for Operating Facilities, Enforcement, and Investigations. A "KEY TOPICS" sidebar on the right lists: Hearing Opportunities, Proceedings Schedule, Commission Decisions, ASLBP Decisions, ASLBP Members, and Commission Members. A "RELATED INFORMATION" sidebar at the bottom right lists: Understanding 10 CFR Part 2: Rules of Practice and Procedure.

Access the Electronic Hearing Docket



The screenshot shows a web browser window with the URL <https://www.nrc.gov/about-nrc/regulatory/adjudicatory.html#ehd>. The page is titled "Electronic Hearing Docket" and features a left-hand navigation menu with categories such as Enforcement, Investigations, Allegations, Events Assessment, Generic Issues, Research, Risk Assessment, Performance Assessment for Waste Disposal and Decommissioning, Advisory Activities, and CRGR Reviews. The "Adjudication (Hearings)" category is highlighted. Below the menu is a "Spotlight" section with four images. The main content area explains that the docket provides a link to official documents maintained by the Office of the Secretary, organized by proceeding name. It also mentions that additional links provide guidance on participation in proceedings. A "RELATED INFORMATION" box on the right contains links to "Understanding 10 CFR Part 2: Rules of Practice for Domestic Licensing Proceedings and Issuance of Orders" and "NRC Staff Practice and Procedure Digest (For Adjudicatory Decisions)". A section titled "Users can identify which documents they can access by the icon appearing in front of the document title:" shows three document titles: "POF Demo 1C", "POF Demo 1B", and "POF Demo Put". Each title is preceded by a small icon: a padlock for "POF Demo 1C" and "POF Demo 1B", and an open book for "POF Demo Put". Below this, text explains that the "locked" icon identifies a protective order document to which the user does not have access, and the "unlocked" icon identifies a protective order document which the user can access.

Electronic Hearing Docket

This section provides a link to the official dockets maintained by the Office of the Secretary in accordance with the requirements of 10 CFR Part 2. The docket materials are organized in folders by proceeding name and contain all documents that are included in the docket for hearings that may be held by the ASLBP or the Commission.

Additional links on this page provide guidance on the steps necessary for participation in a proceeding before the Commission and an Atomic Safety and Licensing Board, or another presiding officer; and reference materials that are important resources for hearing participants.

Beginning on November 3, 2014 the NRC began updating the content of the Electronic Hearing Docket to include both publicly available documents as well as those subject to limited distribution due to protective order. All users will have access to the content of publicly available documents and can view the titles of protective order documents as well. Users who have been granted access to protective order documents will be able to view the content through the Electronic Hearing Docket site.

Users can identify which documents they can access by the icon appearing in front of the document title:

- POF Demo 1C
- POF Demo 1B
- POF Demo Put

The 'locked' icon identifies a protective order document to which the user does not have access.

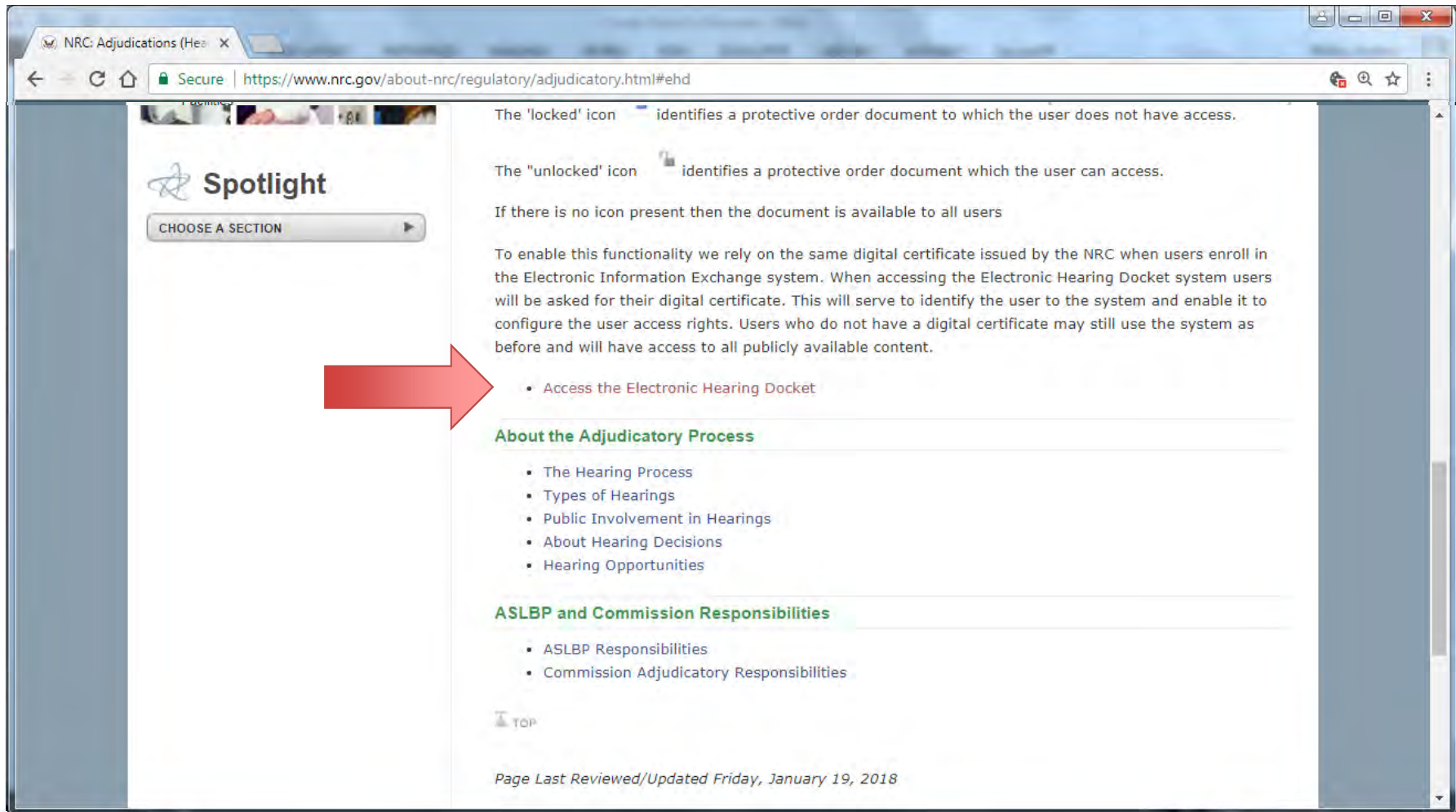
The 'unlocked' icon identifies a protective order document which the user can access.

RELATED INFORMATION

- Understanding 10 CFR Part 2: Rules of Practice for Domestic Licensing Proceedings and Issuance of Orders
- NRC Staff Practice and Procedure Digest (For Adjudicatory Decisions)

Spotlight

Access the Electronic Hearing Docket



Electronic Hearing Docket

US NRC ADAMS Comm X

Secure | https://adams.nrc.gov/ehd/

Web-based ADAMS

Electronic Hearing Dockets | Staff Discovery Materials | Content Search | Advanced Search

United States Nuclear Regulatory Commission
Protecting People and the Environment

U.S.NRC

ADAMS

Download | Properties | Export

Hide Package Contents

HLW-EHD

APAPO_HLW

Comm & Gen Orders

HLW License App 63-001 All CABs

CAB01_HLW

CAB02_HLW

CAB03_HLW

CAB04_HLW

Motions_Pleadings_CAB04

Limited_Appealances_CAB04

Motions_Pleadings_CAB04-2

Orders_CAB04

Privilege_Logs_CAB04

Transcripts_CAB04

Comm & Gen Orders

PAPO_HLW

Honeywell_40-3392-MLA

Indian Point & FitzPatrick - 50-286 & 50-333

Indian_PT_2_50-247-LA

Indian_PT_2&3_50-247&50-286-LR

James A. Fitzpatrick 50-333-EA

James_Chaisson_IA_14_025_EA

Kewaunee_Stn_50-305-LR

Levy County M-52-029&52-030-COL

Levy County_52-029&52-030-COL

Limerick_50-352&50-353-LR

Document Title	Accession Number	Document Date	Availability	Date Added
Notice of Appearance of Megan A. Wright on Behalf of the U.S. Nuclear Regulatory Commission.	ML111330619		Publicly Available	05/17/2011 12:46 PM EDT
The Department of Energy's Response to the Timbisha Shoshone Tribal Council's Motion for Recognition as the Legitimate Representative of the Timbisha Shoshone Tribe.	ML11249A180		Publicly Available	09/07/2011 03:22 PM EDT
2010/02/04-The Department of Energy's Answers to the Board's Questions At the January 27, 2010 Case Management Conference.	ML100351158		Publicly Available	02/12/2010 04:44 PM EST
Letter to CAB04 Judges from Daniel Graser, LSN Administrator, Re: CD Submission of LSN Accession Numbers/Participant Accession Numbers and Transmittal of DOE License Application Supporting Documents Identifiers.	ML11220A329		Publicly Available	08/10/2011 10:43 AM EDT
2009/12/07-U. S. Department of Energy Phase I Legal Briefs.	ML093410666		Publicly Available	12/09/2009 11:57 AM EST
2009/10/13-U.S. Department of Energy's Initial List of Party Witnesses and Related Information.	ML092870545		Publicly Available	10/15/2009 05:47 PM EDT
2009/10/30-Initial Notice of White Pine County's Other Witnesses.	ML093080322		Publicly Available	11/05/2009 03:55 PM EST
2009/09/22-Motion to Compel for the NRC Staff for Production of Document Asserted as Privileged by NRC Staff.	ML092670051		Publicly Available	09/25/2009 08:04 AM EDT
2010/01/22-Notice of Appearance [of Shane Thin Elk] on Behalf of Timbisha Shoshone Tribe.	ML100220986		Publicly Available	01/25/2010 04:57 PM EST
2010/03/04-Petition of Aiken County, South Carolina to Intervene.	ML100630979		Publicly Available	03/08/2010 04:52 PM EST
2009/06/19-State of Nevada Request for Extension of Time to File Reply.	ML091700546	06/19/2009	Publicly Available	06/22/2009 03:30 PM EDT

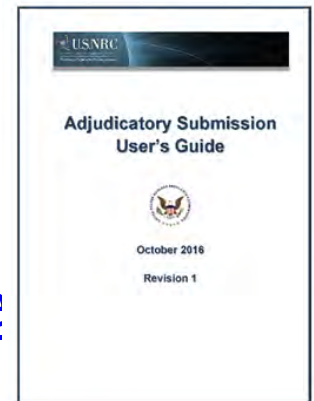
Page 1 of 55

Displaying 20 items per page of total 105

EIE/EHD Usage Guidance

- The Adjudicatory Submissions User's Guide
- describes the process for obtaining a digital
- certificate and using EIE and EHD

(see <https://www.nrc.gov/site-help/e-submittals/adjudicatory-eie-submission-user-guide>)



- The operating hours of the E-Filing Help Desk are 9AM to 6PM (Eastern) Monday through Friday (except for Federal holidays). The Help Desk can be reached at 866-672-7640.

Questions?

Russell Chazell
301-415-7469
russell.chazell@nrc.gov

Brian Newell
301-415-4659
brian.newell@nrc.gov
lsnarp@nrc.gov

Exhibit Submission Gap

Andy Welkie
IT Specialist

Atomic Safety and Licensing Board Panel

Exhibit Submission - Background

- Exhibits are documents or objects offered as evidence to support written or oral testimony
- 10 C.F.R. § 2.1001 Definitions.
 - LSN is “... the combined system that makes documentary material available electronically to parties...”
 - Electronic docket is “... the NRC information system that receives, distributes, stores, and retrieves the Commission's adjudicatory docket materials.” (i.e. EIE and EHD)
- 10 C.F.R. § 2.1013 Use of the electronic docket during the proceeding.
 - (b) “Absent good cause, all exhibits tendered during the hearing must have been made available to the parties in electronic form before the commencement of that portion of the hearing in which the exhibit will be offered.”
- 10 C.F.R. § 2.304 Pre-filed written testimony and exhibits.
 - (g) “... the written testimony of each individual witness or witness panel and each individual exhibit shall be submitted as an individual electronic file.”

Exhibit Submission Gap

- High percentage of evidentiary material likely exists in the LSN with no automated mechanism to submit a document as an exhibit directly from the LSN to the Electronic Hearing Docket
- Re-entry of existing bibliographic information would be required resulting in higher labor effort and potential data entry errors
- Potentially significant participant labor effort to download documents from the LSN and submit through the Electronic Information Exchange

Process to File an LSN Document as an Exhibit

(If the Proceeding had Continued in 2011)

1. Find the document(s) in the LSN
2. Download the document(s) and either
 - Use the entire document
 - Extract parts of the document
3. Place an exhibit number on each document
4. Log in to the Electronic Information Exchange
5. Fill out information regarding the exhibit
6. Submit each exhibit (100 MB aggregate file size limit per submission)
7. Receive a confirmation e-mail that the submission was successful
8. Add the exhibit(s) to an exhibit list and submit the exhibits list per Board instructions

Potential Gap Closure Process to File an LSN Document as an Exhibit *(If the Proceeding were to Resume)*

1. Find the document(s) in the reconstituted/replacement LSN system
2. Add the document(s) to an exhibit cart by a to-be-determined selection method
3. For each document listed in the cart
 - Specify full document or specific pages
 - Provide an exhibit number
4. Submit the exhibit cart *(Each exhibit would have a system-generated cover sheet added that included party exhibit number, LSN accession number, title (from LSN header), etc.)*
5. Receive a confirmation e-mail that the documents in the cart were submitted
6. Download an exhibit list based on documents submitted from the exhibit cart

Limitations

- Only for publically available documents contained in a reconstituted/replacement LSN system
- Header-only documents would be filed separately (likely as a non-public exhibit or physical exhibit)
- Non-LSN documents would be filed separately (e.g. pre-filed testimony or other non-discovery material)

Options Applicability

- A possible capability for
 - Option 2 - Use of Existing Public ADAMS LSN Library
 - Alternative One - EIE System Modification
 - Alternative Two - Semi-Manual Process
 - Option 3 - Move to the Cloud
 - Alternative One - NRC Maintained Cloud-Based System
 - Alternative Two (a) - HLW Participant-Maintained Cloud-Based System with NRC Maintained Search Index
 - Option 4 - Rebuild the Original LSN
- Unlikely for
 - Option 1 - Traditional Discovery (unless decision made to enhance the public ADAMS LSN Library)
 - Option 3 - Move to the Cloud
 - Alternative Two (b) - HLW Participant-Maintained Cloud-Based System with Participant Maintained Search Index



Questions?

Option 1

Traditional Discovery

Paul Bollwerk, Administrative Judge
Atomic Safety and Licensing Board Panel

Background

- For Restarted Adjudication, a Principal Concern Will Be Ensuring Suitable Participant Access to Both Existing and New Documentary Material
- To Address This Concern
 - Is an Entirely New LSN-like Electronic System Necessary for All Materials
 - or
 - Will Traditional Discovery Methods Be Sufficient for New Documentary Material?

Traditional Discovery Process (Background)

- 10 C.F.R. § 2.336 Details Document Discovery Procedures
- Requires Initial and Subsequent Periodic Document Disclosures
- Participants Must Provide a Copy or Description, by Category and Location, of Each Relevant Document
- Generally Implemented by Electronic Hearing Docket Filing of Document Lists, with Document Distribution Governed by Participant-established Protocols

Option Assumptions

- Hearing Participants Will Have a Small Volume of New Discovery Material
- NRC Will Continue to Maintain the Public LSN Library for Existing Documentary Material

General Description

- Public LSN Library Remains Source for Documentary Material Identified Prior to Adjudication's Suspension
- New Documentary Material Would Be Exchanged/Made Available to Adjudication Participants Via Traditional Discovery Methods

Cost and Time Estimate

- Option Does Not Involve Implementation of New Information Technology System, So No Significant Additional Implementation Time or Cost Is Required

Implementation Risk Factor Score

Option	Risk Score <i>Range: (6 – 54)</i>
Option 1 - Traditional Discovery	Not Applicable

Risk Factors: Acquisition, Technical Complexity, Technical Obsolescence, IT Policy, Technical Expertise, Standardization

Pros/Cons

Pros	Cons
Immediate implementation	Members of the public may not have access to new documentary material
No/low implementation costs	HLW hearing participants would be required to distribute new documentary material to multiple other HLW hearing participants
	Any new documentary material would not be searchable electronically using a centralized search system
	New documentary material would lack a consistent/uniform numbering system
	No ability to modify or delete existing headers/documents currently available electronically in the Public LSN Library

Rank Summary

Option	Cost	Time	Risk	Pros/Cons	Total
Option 1 - Traditional Discovery	1	1	1	7	10
Option 2 - Use of Existing Public ADAMS LSN Library / Alternative One - EIE System Modification	4	4	2	1	11
Option 2 - Use of Existing Public ADAMS LSN Library / Alternative Two - Semi-Manual Process	3	3	2	2	10
Option 3 - Move to the Cloud / Alternative One - NRC Maintained Cloud-Based System	5	5	4	6	20
Option 3 - Move to the Cloud / Alternative Two (a) - HLW Participant-Maintained Cloud-Based System with NRC Maintained Search Index	5	6	7	4	22
Option 3 - Move to the Cloud / Alternative Two (b) - HLW Participant-Maintained Cloud-Based System with Participant Maintained Search Index	2	2	5	4	13
Option 4 - Rebuild the Original LSN	7	7	6	3	23

Questions?

Option 2

Use of Existing Public ADAMS LSN Library

KG Golshan, Branch Chief
Office of the Chief Information Officer
Business Application Delivery Branch

Option Assumptions

- For Alternative One - EIE System Modification
 - The total number of header/document actions will average *more than* 1000 per month for the duration of the HLW proceeding
- NRC will be the custodian of all discovery documents in the LSN for federal record keeping purposes

General Description

- Two Alternatives
 - Alternative One - leverages the EIE System
 - Alternative Two - Semi-Manual Process
- Both Alternatives
 - Use the existing Public ADAMS LSN Library
 - No substantive changes made to the Public ADAMS LSN Library
 - Modifications and deletions are reflected in system generated list made available on the Public ADAMS LSN Library home page.

Key Difference Between Alternatives

- Alternative One - EIE System Modification
 - Additions, deletions and modifications are initiated by using the EIE system
- Alternative Two - Semi-Manual Process
 - Additions, deletions and modifications are initiated by the submission of a CD/DVD

Cost and Time Estimate

- Alternative One - EIE System Modification
 - Cost estimate
 - Initial cost: \$900K - \$1,525K
 - Annual Recurring cost: \$800K - \$1,500K
 - Time estimate: Between 8 and 15 months
- Alternative Two - Semi-Manual Process
 - Cost estimate
 - Initial cost: \$600K - \$1,100K
 - Annual Recurring cost: \$800K - \$1,500K
 - Time estimate: Between 7 and 12 months

Cost Rank : 4
Time Rank : 4

Cost Rank : 3
Time Rank : 3

Implementation Risk Factor Score

Option	Risk Score <i>Range: (6 – 54)</i>
Alternative One - EIE System Modification	15
Alternative Two - Semi-Manual Process	15

Risk factors Acquisition, Technical Complexity, Technical Obsolescence, IT Policy, Technical Expertise, Standardization

Common Pros/Cons

Pros	Cons
Relatively quick implementation	Additional costs associated with federal records responsibility for new headers/documents
Centralizes and a single repository	NRC will maintain the collections, but additional steps required for participants to make additions, deletions and/or to their collections
Leverages the current NRC investments	
Continues standardization of LSN accession numbering scheme	
Robust search engine built on IBM Watson	
Automated audit capabilities available for the entire collection	

Unique Pros/Cons

- Alternative One - EIE System Modification

Pros	Cons
Allows for quick processing of large volumes of documents	Aggregate size of all headers/documents in a submission cannot exceed 100 megabytes

- Alternative Two - Semi-Manual Process

Pros	Cons
No submission size restrictions	Partial manual process with potential processing delays for large volumes of headers/documents

Rank Summary

Option	Cost	Time	Risk	Pros/Cons	Total
Option 1 - Traditional Discovery	1	1	1	7	10
Option 2 - Use of Existing Public ADAMS LSN Library / Alternative One - EIE System Modification	4	4	2	1	11
Option 2 - Use of Existing Public ADAMS LSN Library / Alternative Two - Semi-Manual Process	3	3	2	2	10
Option 3 - Move to the Cloud / Alternative One - NRC Maintained Cloud-Based System	5	5	4	6	20
Option 3 - Move to the Cloud / Alternative Two (a) - HLW Participant-Maintained Cloud-Based System with NRC Maintained Search Index	5	6	7	4	22
Option 3 - Move to the Cloud / Alternative Two (b) - HLW Participant-Maintained Cloud-Based System with Participant Maintained Search Index	2	2	5	4	13
Option 4 - Rebuild the Original LSN	7	7	6	3	23



Questions?

Option 3

Move to the Cloud

KG Golshan, Branch Chief
Office of the Chief Information Officer
Business Application Delivery Branch

Option Assumptions

- NRC will decommission Public ADAMS LSN Library
 - Current copies of public LSN records will remain in possession of NRC for Federal records keeping purposes
- Any cloud-based solution provider must follow the guidelines set by Federal Risk and Authorization Management Program and shall be (FEDRamp) certified.

General Description

- Two Alternatives
 - Alternative One - NRC-Maintained Cloud-Based System
 - Alternative Two - HLW Participant-Maintained Cloud-Based System
 - a) NRC-Provided Search Portal
 - b) NRC-Maintained Web Page of Participant Links
- Both Alternatives
 - Move the headers/documents from the Public ADAMS LSN Library to cloud-based storage
 - Indexing, searching, and retrieval systems are cloud-based

Key Differences Between Alternatives

- Alternative One – NRC-Maintained Cloud-Based System
 - NRC manages cloud-based repository
 - The processes for additions, modifications, and deletions described in Option 2 (*Use of the Existing LSN Library*)
 - Alternative Two - HLW Participant-Maintained Cloud-Based Storage or System
 - a) NRC-Provided Search Portal
 - Participants manage their own cloud-based repository/collection
 - NRC manages a centralized search engine (similar to original LSN)
 - Participants manage process for additions, modifications, and deletions
 - b) NRC-Maintained Web Page of Participant Links
 - Participants manage their own cloud-based repository
 - No centralized search engine
 - Participants manage process for additions, modifications, and deletions

Cost and Time Estimate

- Alternative One – NRC-Maintained Cloud-Based System
 - Cost estimate (System Development)
 - Initial cost: \$1,200K - \$1,950K
 - Annual Recurring cost: \$1,100K - \$1,750K
 - Time estimate: Between 22 and 38 months

Cost Rank : 5
Time Rank : 5

Cost and Time Estimate, cont'd

- Alternative Two - HLW Participant-Maintained Cloud-Based System

- a) NRC-Provided Search Portal

- System Development (NRC Search Portal)

- Initial cost: \$1,200K - \$2,000K
 - Annual Recurring cost: \$600K - \$1,100K
 - Time estimate: Between 24 and 42 months

Cost Rank : 5
Time Rank : 6

- NRC Staff Collection (as a Participant)

- Initial cost: \$350K - \$600K
 - Annual Recurring cost: \$525K - \$900K
 - Time estimate: Between 16 and 28 months

- Non-NRC Staff HLW Participant Collections

- Initial cost: Undetermined
 - Annual Recurring cost: Undetermined
 - Time estimate: Undetermined

Time estimates are undetermined as each participant may have different IT policies in place for the procurement and implementation of an IT solution

Cost and Time Estimate, cont'd

- Alternative Two - HLW Participant-Maintained Cloud-Based System

- b) NRC-Maintained Web Page of Participant Links

- System Development (NRC Link Page)

- Initial cost: \$400K - \$675K
 - Annual Recurring cost: \$250K - \$425K
 - Time estimate: Between 4 and 7 months

Cost Rank : 2
Time Rank : 2

- NRC Staff Collection (as a Participant)

- Initial cost: \$350K - \$600K
 - Annual Recurring cost: \$525K - \$900K
 - Time estimate: Between 16 and 28 months

- Non-NRC Staff HLW Participant Collections

- Initial cost: Undetermined
 - Annual Recurring cost: Undetermined
 - Time estimate: Undetermined

Time estimates are undetermined as each participant may have different IT policies in place for the procurement and implementation of an IT solution

Implementation Risk Factor Score

Option	Risk Score <i>(Range: 6 – 54)</i>
Alternative One - NRC-Maintained Cloud-Based System	23
Alternative Two (a) - HLW Participant-Maintained Cloud-Based System with NRC-Provided Search Portal	29
Alternative Two (b) - HLW Participant-Maintained Cloud-Based System with NRC-Maintained Web Page of Participant Links	29
Risk factors Acquisition, Technical Complexity, Technical Obsolescence, IT Policy, Technical Expertise, Standardization	

Common Pros/Cons

Pros	Cons
Leverages current efficiency scalability cloud	Close coordination with all parties may be time consuming.
Takes advantage of existing Internet search and other cloud resources	
Allows for prompt processing of large volumes of documents	

Unique Pros/Cons

- Alternative One - NRC-Maintained Cloud-Based System

Pros	Cons
Continues standardization of LSN accession numbering scheme	Complexity of implementation
Locates documentary material in a single repository	Cost of developing centralized cloud-based search portal
Automated audit capabilities available for the entire collection	Additional costs associated with federal records responsibility for new headers/documents
	Rudimentary search capability, depending on the cloud offering
	Document header information may not be viewable
	Parties are required to keep their collections up-to-date in the cloud

Unique Pros/Cons, cont'd

- Alternative Two (a) - HLW Participant-Maintained Cloud-Based System with NRC-Provided Search Portal

Pros	Cons
Mimics original LSN concept and intent as decentralized, including cost shared by parties	Complexity and uncertainty of implementation
Continues standardization of LSN accession numbering scheme	Rudimentary search capability
No NRC records responsibility for new headers/documents	Document header information may not be viewable
Possibly a simpler process for a participant to make additions, modifications, or deletions to its collection	No automated audit capabilities for the entire collection

Unique Pros/Cons, cont'd

- Alternative Two (b) - HLW Participant-Maintained Cloud-Based System with NRC-Maintained Web Page of Participant Links

Pros	Cons
Simplified approach to maintenance of header/document collections	No consolidated search capability
No NRC records responsibility for new headers/documents	Document header information may not be viewable
Simpler process for a participant to make additions, modifications, or deletions to its collection	No standardization of LSN accession numbering scheme
	No automated audit capabilities for the entire collection

Rank Summary

Option	Cost	Time	Risk	Pros/Cons	Total
Option 1 - Traditional Discovery	1	1	1	7	10
Option 2 - Use of Existing Public ADAMS LSN Library / Alternative One - EIE System Modification	4	4	2	1	11
Option 2 - Use of Existing Public ADAMS LSN Library / Alternative Two - Semi-Manual Process	3	3	2	2	10
Option 3 - Move to the Cloud / Alternative One - NRC Maintained Cloud-Based System	5	5	4	6	20
Option 3 - Move to the Cloud / Alternative Two (a) - HLW Participant-Maintained Cloud-Based System with NRC Maintained Search Index	5	6	7	4	22
Option 3 - Move to the Cloud / Alternative Two (b) - HLW Participant-Maintained Cloud-Based System with Participant Maintained Search Index	2	2	5	4	13
Option 4 - Rebuild the Original LSN	7	7	6	3	23



Questions?

Option 4

Rebuild the Original LSN

Margie Janney
Acting LSN Administrator

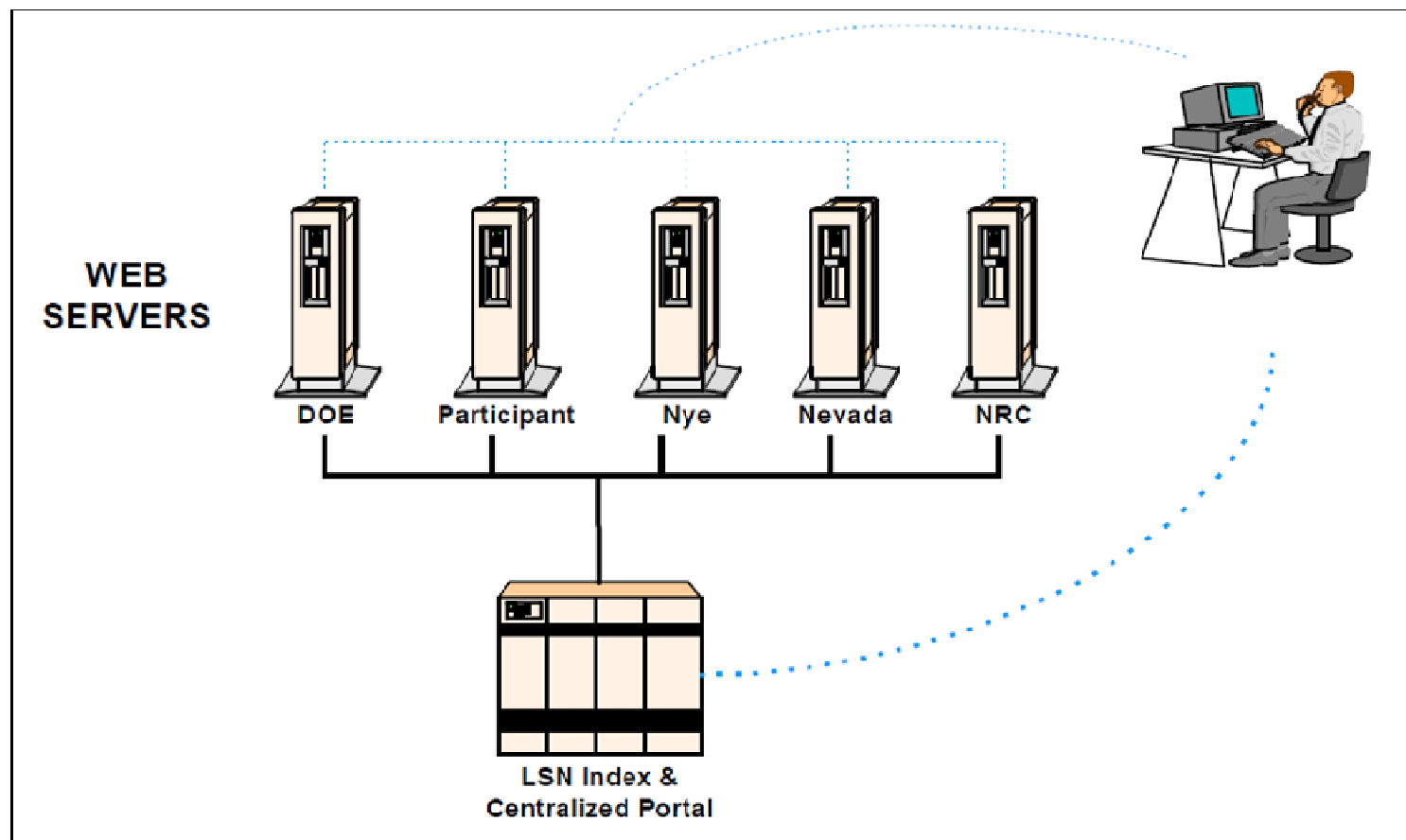
Assumptions

- Basis for development is Project Definition and Analysis Document for the LSN
- Participant web sites will be crawled by the LSN
- NRC will decommission ADAMS LSN Library
 - Copies of those records will remain in possession of NRC for Federal records management purposes

General Description

- Distributed system like Google
- 3 major functions:
 - Auditing
 - Indexing
 - Searching & retrieving
- 5 major subsystems
 - Fetch participant documents and headers
 - Audit participant sites
 - Search LSN content
 - Administer LSN
 - Access LSN web site

General Depiction



Search and Retrieval

- NRC provides search interface
- Searches NRC-maintained index of participants' headers documents
- Search interface redirects user to the participant's collection to present the document for viewing.

Cost and Time Estimates

- Rebuild the Original LSN
 - System Development
 - Initial cost: Between \$2,600K - \$4,400K
 - Recurring cost: Between \$850K - \$1,500K
 - Time estimate: Between 30 and 42 months
 - Each HLW Participant Collection (Including the NRC Staff)
 - Initial cost: Undetermined
 - Recurring cost: Undetermined
 - Time estimate: Undetermined

Implementation Risk Factor Score

Option	Risk Score <i>Range: (6 – 54)</i>
Option 4 - Rebuild the Original LSN	31

Risk Factors: Acquisition, Technical Complexity, Technical Obsolescence, IT Policy, Technical Expertise, Standardization

Implementation Risk Factor Score

Risk Factor	Impact on Option	Likelihood of Occurrence	Risk Scores (<i>Impact x Likelihood</i>)
Acquisition	High (3)	High (3)	9
Technical Complexity	Moderate (2)	Moderate (2)	4
Technical Obsolescence	Moderate (2)	Moderate (2)	4
IT Policy	High (3)	High (3)	9
Technical Expertise	Moderate (2)	Moderate (2)	4
Standardization	Low (1)	Low (1)	1
Total Score			31

Pros/Cons

Pros	Cons
Simpler process for a participant to make additions, modifications, or deletions to its collection	Extended implementation
Continues standardization of LSN accession numbering scheme	High cost
Robust search engine	Conflicts with Federal IT policy
Allows for prompt processing of large volumes of documents	

Rank Summary

Option	Cost	Time	Risk	Pros/Cons	Total
Option 1 - Traditional Discovery	1	1	1	7	10
Option 2 - Use of Existing Public ADAMS LSN Library / Alternative One - EIE System Modification	4	4	2	1	11
Option 2 - Use of Existing Public ADAMS LSN Library / Alternative Two - Semi-Manual Process	3	3	2	2	10
Option 3 - Move to the Cloud / Alternative One - NRC Maintained Cloud-Based System	5	5	4	6	20
Option 3 - Move to the Cloud / Alternative Two (a) - HLW Participant-Maintained Cloud-Based System with NRC Maintained Search Index	5	6	7	4	22
Option 3 - Move to the Cloud / Alternative Two (b) - HLW Participant-Maintained Cloud-Based System with Participant Maintained Search Index	2	2	5	4	13
Option 4 - Rebuild the Original LSN	7	7	6	3	23



Questions?

Replacement/Reconstituted LSN Options Summary

Margie Janney
Acting LSN Administrator

Recap - High Level Overview

- Option 1 – Traditional Discovery
 - Existing public ADAMS LSN library used to access previously submitted documentary material
 - New material exchanged among the parties using traditional discovery methods
- Option 2 – Use of Existing Public ADAMS LSN Library
 - Uses the already developed existing public ADAMS LSN library
 - Intake/modification processes would be developed using the EIE or a semi-manual process
- Option 3 – Move to the Cloud
 - Previously submitted material moved from the existing public ADAMS LSN library to a cloud-based system
 - Intake/modification process moved to a cloud-based system for new material
- Option 4 – Rebuild the Original LSN

Cost Estimate - Comparison

Option	Rank	System Development		NRC Staff (as a participant)		Non-NRC Staff Participant	
		Initial	Annual Recurring	Initial	Annual Recurring	Initial	Annual Recurring
Option 1 - Traditional Discovery	1	N/A*	N/A	N/A	N/A	N/A	N/A
Option 2 - Use of Existing Public ADAMS LSN Library Alternative One - EIE System Modification	4	\$900K - \$1,525K	\$800K - \$1,500K	N/A	N/A	N/A	N/A
Option 2 - Use of Existing Public ADAMS LSN Library Alternative Two - Semi-Manual Process	3	\$600K - \$1,100K	\$800K - \$1,500K	N/A	N/A	N/A	N/A
Option 3 - Move to the Cloud Alternative One - NRC Maintained Cloud-Based System	5	\$1,200K - \$1,950K	\$1,100K - \$1,750K	N/A	N/A	N/A	N/A
Option 3 - Move to the Cloud Alternative Two (a) - HLW Participant-Maintained Cloud-Based System with NRC Maintained Search Index	5	\$1,200K - \$2,000K	\$600K - \$1,100K	\$350K - \$600K	\$525K - \$900K	Unknown	Unknown
Option 3 - Move to the Cloud Alternative Two (b) -HLW Participant-Maintained Cloud-Based System with Participant Maintained Search Index	2	\$400K - \$675K	\$250K - \$425K	\$350K - \$600K	\$525K - \$900K	Unknown	Unknown
Option 4 - Rebuild the Original LSN	7	\$2,600K - \$4,400K	\$850K - \$1,500K	Unknown	Unknown	Unknown	Unknown

*N/A indicates there are no applicable IT System development, implementation, or maintenance costs.

Time Estimate - Comparison

Option	Rank	System Development	NRC Staff (as a participant)	Non-NRC Staff Participant
Option 1 - Traditional Discovery	1	N/A	N/A	N/A
Option 2 - Use of Existing Public ADAMS LSN Library Alternative One - EIE System Modification	4	8 Months to 15 Months	N/A	N/A
Option 2 - Use of Existing Public ADAMS LSN Library Alternative Two - Semi-Manual Process	3	7 Months to 12 Months	N/A	N/A
Option 3 - Move to the Cloud Alternative One - NRC Maintained Cloud-Based System	5	22 Months to 38 Months	N/A	N/A
Option 3 - Move to the Cloud Alternative Two (a) - HLW Participant-Maintained Cloud-Based System with NRC Maintained Search Index	6	24 Months to 42 Months	16 Months to 28 Months	Undetermined
Option 3 - Move to the Cloud Alternative Two (b) -HLW Participant-Maintained Cloud-Based System with Participant Maintained Search Index	2	4 Months to 7 Months	16 Months to 28 Months	Undetermined
Option 4 - Rebuild the Original LSN	7	30 Months to 52 Months	Undetermined	Undetermined

*N/A indicates there is time required for IT System development, implementation, or maintenance.

Risk Score - Comparison

Option	Rank	Risk Score (Impact x Likelihood)
Option 1 - Traditional Discovery	1	Not Applicable
Option 2 - Use of Existing Public ADAMS LSN Library Alternative One - EIE System Modification	2	15
Option 2 - Use of Existing Public ADAMS LSN Library Alternative Two - Semi-Manual Process	2	15
Option 3 - Move to the Cloud Alternative One - NRC Maintained Cloud-Based System	4	23
Option 3 - Move to the Cloud Alternative Two (a) - HLW Participant-Maintained Cloud-Based System with NRC Maintained Search Index	7	37
Option 3 - Move to the Cloud Alternative Two (b) -HLW Participant-Maintained Cloud-Based System with Participant Maintained Search Index	5	29
Option 4 - Rebuild the Original LSN	6	31

Pros/Cons - Comparison

Option	Rank	Pros/Cons*
Option 1 - Traditional Discovery	7	-3
Option 2 - Use of Existing Public ADAMS LSN Library Alternative One - EIE System Modification	1	4
Option 2 - Use of Existing Public ADAMS LSN Library Alternative Two - Semi-Manual Process	2	3
Option 3 - Move to the Cloud Alternative One - NRC Maintained Cloud-Based System	6	0
Option 3 - Move to the Cloud Alternative Two (a) - HLW Participant-Maintained Cloud-Based System with NRC Maintained Search Index	4	2
Option 3 - Move to the Cloud Alternative Two (b) -HLW Participant-Maintained Cloud-Based System with Participant Maintained Search Index	4	2
Option 4 - Rebuild the Original LSN	3	1

* Numeric score for system benefit determined by subtracting the number of Cons from the number of Pros.

Rank Summary

Option	Cost	Time	Risk	Pros/Cons	Total
Option 1 - Traditional Discovery	1	1	1	7	10
Option 2 - Use of Existing Public ADAMS LSN Library / Alternative One - EIE System Modification	4	4	2	1	11
Option 2 - Use of Existing Public ADAMS LSN Library / Alternative Two - Semi-Manual Process	3	3	2	2	10
Option 3 - Move to the Cloud / Alternative One - NRC Maintained Cloud-Based System	5	5	4	6	20
Option 3 - Move to the Cloud / Alternative Two (a) - HLW Participant-Maintained Cloud-Based System with NRC Maintained Search Index	5	6	7	4	22
Option 3 - Move to the Cloud / Alternative Two (b) - HLW Participant-Maintained Cloud-Based System with Participant Maintained Search Index	2	2	5	4	13
Option 4 - Rebuild the Original LSN	7	7	6	3	23

Questions?