

**RESPONSE OF THE NUCLEAR ENERGY INSTITUTE, INC. TO “FORM  
REGARDING DATABASE SIZING AND CURRENT CAPABILITIES”**

**November 21, 2017**

## Form Regarding Database Sizing and Current Capabilities

(Respondents are requested to provide answers to all questions relevant to their participation in the Yucca Mountain adjudication.)

### **This is the response of the Nuclear Energy Institute, Inc. (NEI)**

1. If the Yucca Mountain adjudication should be re-instituted, do you plan to participate?

☒ (yes)                      ☐ (no)

COMMENTS: None

2. If your response to Question 1 is "yes," consistent with the dictates of 10 C.F.R. Part 2, Subpart J, do you have, or anticipate having, additional documentary material, as defined in Subpart J, to be added to a reconstituted or replacement LSN?

☒ (yes)                      ☐ (no)

COMMENTS: None

3. If your response to Question 2 is "yes," please select one of the ranges listed below to indicate a **rough** estimate of the volume of the additional documentary material (including header-only documents) that you would anticipate providing for availability to other participants in the Yucca Mountain adjudication.

- A.        ☐ less than 100 items of documentary material  
B.        ☒ between 100 and 500 items of documentary material  
C.        ☐ between 500 and 1000 items of documentary material  
D.        ☐ more than 1000 items of documentary material  
            (If your answer is "D," also indicate the estimated number to the nearest 1000 below)

"D" Estimate: \_\_\_\_\_ documents.

Please note that consistent with the format for submission of LSN documents to the Office of the Secretary (SECY) at the time of the LSN's operational termination in 2011, it is anticipated that documentary material generally would need to be submitted/made available in .pdf format.

COMMENTS: None

4. What percentage of the documentary material rough estimate provided in question 3 is header-only material?

Header-only material: \_\_\_\_0%\_\_ percent

COMMENTS: None

5. In conjunction with the operational termination of the LSN in 2011, Construction Authorization Board-4 (CAB-4) ordered that, in addition to providing copies to SECY, all Yucca Mountain adjudication participants should preserve their existing LSN collections. In the interim, have you preserved your entire LSN collection, including header information, as it existed at the time the adjudication was suspended so that it potentially could be made accessible to other Yucca Mountain adjudication participants via the LSN or a replacement system/process if the proceeding were to be reinstituted?

☒X\_ (YES. However, see NEI's comments on Question 6, below.) ☐ (no)  
(If no, please indicate in the Comments section below what portion of your 2011 document collection, including associated headers, is available and potentially could be made accessible to other Yucca Mountain adjudication participants.)

COMMENTS: See NEI answer to question 6.

6. Under 10 C.F.R. Part 2, Subpart J, each participant in the Yucca Mountain adjudication discovery process is required (separately or in conjunction with others) to make its documentary material and the associated headers available on a public webserver for periodic indexing by the LSN's indexing software. Do you currently have the capability to make your documentary material collection described in Question 4 above available for such indexing?

☒X\_ (YES. See comment below) ☐ (no)

COMMENTS: NEI has the capability to make its documentary material collection available for indexing, however:

- a. The server and website used to host the data is over 13 years old and no longer complies with cyber security standards
- b. NEI would have to rebuild the server, rebuild the website and enable current security standards for site crawling on the new systems and firewalls

7. If your response to Question 5 is "yes,"

- a. Is the public webserver configured as discussed in LSN Guideline 22 (ADAMS Accession No. ML050540065)?

☒X\_ YES. (However, it is not publicly accessible. See NEI comments in response to Question 6.) ☐ (no)

- b. Do you still have in operation your repository “fetch” server as discussed in LSN Guideline 22?

☒ YES. (However, it is not publicly accessible. See NEI comments in response to Question 6.) ☐ (no)

- c. Are your documentary material/headers stored in the suggested file system structure found in LSN Guideline 22?

☒ (YES) ☐ (no)

COMMENTS:

With respect to part c., NEI used a header creation tool created by the NRC to ensure that NEI header information complied with NRC requirements. That software was written over 13 years ago and would need to be tested to ascertain whether it is still operational. NEI would be interested in knowing whether the NRC has plans to update this software to enable participants to comply with the metadata standards for header creation.

8. If your response to Question 5 is “no,” in the Comments section below:

- a. Describe the type of media on which your documentary material/headers are stored. *Answer:* Webserver

- b. Provide an estimate of how long would be required to make your documentary material/headers readily available on servers configured as discussed in LSN Guideline 22. *Answer:* 4 to 6 months

COMMENTS: NEI is answering this question because our answer to Question 5 was a qualified “yes,” which makes the information above relevant.

9. Has the header information associated with your documentary material remained unchanged since it was submitted to SECY in 2011?

☒ (YES) ☐ (no)  
(If no, please indicate in the Comments section below how many headers have changed and why.)

COMMENTS: None

10. Are there any other issues regarding database sizing and current capabilities (other than those stated in the preceding "COMMENTS" areas) that need to be addressed at this time in preparation for the LSNARP meeting cited in Dr. Bates' August 11, 2017 memorandum?

Answer: NO, not to NEI's knowledge.

11. Please provide the following information regarding completion of this form:

Name of Respondent: Rod McCullum

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