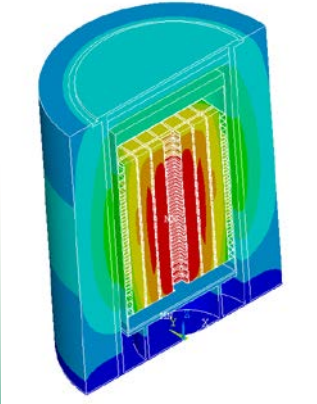


### Collecting and Assessing Aging Management Information

**Eric Shewbridge**  
Senior Project Manager  
NAC International, Inc.



- **Background**
- **Guiding Principles for Database**
- **Criteria for Screening of Operating Experience**
- **Database Functional Requirements**
- **Organizational Responsibilities Relative to Database**
- **Schedule for Database Rollout**
- **Concluding Remarks**

- **Stable and predictable regulatory framework (NEI 14-03)**
- **Fundamental Element—Sharing Aging Management Information**
- **ISFSI Aging Management INPO Database (ISFSI AMID)**

- **Not to Replace Existing CAPs**
- **Information Available to all ISFSI Licensees and CoC Holders**
- **Use of Screening Criteria**
- **CoC Holder Approval**
- **Entry of Positive as well as Negative Information**

## **First Series of Questions (from NEI 14-03):**

- **Is the cause of the condition due to aging-related degradation (such as loss of material or cracking)?**
- **Is the component or structure passive?**
- **Is the component or structure long lived (i.e., it is not subject to replacement based on a qualified life or a specific time period)?**
- **If answers to all three are “yes” .....**

- **Additional set of questions—Have we identified.....:**
- ...a new and unexpected aging effect?
- ...a new or unexpected trend in aging effects?
- ...unexpected inspection results (either positive or negative) through AMP implementation?
- ...aging mechanisms and effects through the use of new or improved test or inspection methods or equipment?
- ...deficiencies that are indicative of aging management program ineffectiveness?

Expand » All : Workspace List : Company Info.

Company Info. : Workspace List : All « Collapse

### - INPO

Company Info

Close Company Info.

#### Workspaces

### - INPO

Workspace Info.

#### Control Panel

Contact:

Certrec Support Team

[support@certrec.com](mailto:support@certrec.com)

817-738-7661

Close Workspace Info.

#### Applications

[Industry Dry Cask Storage OE Database](#)



- **Accessible via internet 24/7 with user name and password**
- **Database fields:**
  - Dates for initial and updated entries
  - Source of data
  - Originator
  - Location






- **Database fields (cont'd):**
  - ISFSI Environment (Ultimate Heat Sink)
  - Ambient temperature/Relative humidity/Heat Load
  - System Information
  - Code applicability/inspection instrumentation/NDE techniques
  - Document or Photo upload
  - Button for vendor approval

# ISFSI AMID Functional Requirements

## Industry Dry Cask Storage OE Database

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### OE Database

ID	2
Added By	<a href="#">Michelle Thomas</a>
Date Added	9/4/2015 2:11 PM
Modified By	<a href="#">Al Haeqer</a>
Date Modified	9/9/2015 10:30 AM
Source of Data	AMP Inspection
Originator	EPRI
Date of Data Acquisition	09/09/2015
Data Entry Organization	
Location	Test
ISFSI Environment (Ultimate Heat Sink)	Salt Water
Ambient Temperature at time of Data Acquisition	Degrees F
Ambient Relative Humidity@Time of Data Acquisition	Percent
Dose Rate at Component Surface	mrem/hr
Storage Technology	Test
System Info(Affected Structure, System, Component)	Test
Cask in Service Date	11/01/2013
Heat Load at time of data acquisition	kW
Description of Information, data	Test entry
Material	reinforced concrete
Weld/HAZ Involvement	Neither
Code Applicability	
Inspection/NDE Technique/Instrumentation	

- **Field modification**
- **Full-text search across fields**
- **Export capability to EXCEL**
- **Print capability from any of the views**
- **Adding records/Auto email notification**
- **Control of database**
- **Number of records/attachments unlimited**

- **INPO**
  - Contracts
  - Orientation Guides
  - Quarterly reports
- **Cask Vendors**
  - Populating database
  - Log-in information
  - Data approval
- **Licensees**
  - Populating database
  - Use as resource for tollgate assessments

- **Contract Execution**
- **Database Development within two weeks of contract execution**
- **Database Testing and Modification**
- **Database Rollout – Targeting End of CY2015**
- **Orientation Guides/Training Sessions**

- **Cornerstone of operations-based aging management program: Collection and assessment of aging management information**
- **Information Sharing Tool is being put in place**
- **Licensees are to populate and use for their tollgate assessments**
- **Cask vendors will have the contractual relationship with INPO and approval authority of data entry**

# Collecting and Assessing Aging Management Information

## Questions?

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