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**Information Request
December 20, 2022
Notification of Inspection and Request for Information
Riverbend Station
NRC Inspection Report 05000458/2023001**

INSERVICE INSPECTION DOCUMENT REQUEST

Inspection Dates: February 27 through March 1, 2023

Inspector: Jim Drake
James Mejia
Rebecca Romero-Devore (trainee)

A. Information Requested for the In-Office Preparation Week

The following information should be sent to the Region IV office in hard copy or electronic format (ims.certrec.com preferred), in care of Jim Drake, by January 23, 2023, to facilitate the selection of specific items that will be reviewed during the inspection period. The inspector will select specific items from the information requested below and then request from your staff additional documents needed during the inspection period (Section B of this enclosure). We ask that the specific items selected from the lists be available and ready for review on the first day of inspection. Please provide requested documentation electronically if possible. If requested documents are large and only hard copy formats are available, please inform the inspector(s), and provide subject documentation during the first day of the inspection.

If you have any questions regarding this information request, please call the inspector as soon as possible.

On February 27, 2023 a reactor inspector from the Nuclear Regulatory Commission's (NRC) Region IV office will perform the baseline inservice inspection at Riverbend, using NRC Inspection Procedure 71111.08, "Inservice Inspection Activities." Experience has shown that this inspection is a resource intensive inspection both for the NRC inspector and your staff. The date of this inspection may change dependent on the outage schedule you provide. In

order to minimize the impact to your onsite resources and to ensure a productive inspection, we have enclosed a request for documents needed for this inspection. These documents have been divided into two groups. The first group (Section A of the enclosure) identified information to be provided prior to the inspection to ensure that the inspector is adequately prepared. The second group (Section B of the enclosure) identifies the information the inspector will need upon commencement of the inspection. It is important that all of these documents are up to date and complete in order to minimize the number of additional documents requested during the preparation and/or the inspection.

We have discussed the schedule for these inspection activities with your staff and understand that our regulatory contact for this inspection will be Bridget Johns of your licensing organization. The tentative inspection schedule is as follows:

Preparation week: February 20, 2023

Inspection period: February 27 – March 1, 2023

Our inspection dates are subject to change based on your updated schedule of outage activities. If there are any questions about this inspection or the material requested, please contact Jim Drake at (817) 200-1558. ([email to: James.Drake@nrc.gov](mailto:James.Drake@nrc.gov)).

A.1 ISI/Welding Programs and Schedule Information

1. A detailed schedule (including preliminary dates) of:
 - 1.1. Nondestructive examinations planned for ASME Code Class Components performed as part of your ASME Section XI, risk informed (if applicable), and augmented inservice inspection programs during the upcoming outage.
 - 1.2. Examinations planned for Alloy 82/182/600 components that are not included in the Section XI scope (If applicable)
 - 1.3. Welding activities that are scheduled to be completed during the upcoming outage (ASME Class 1, 2, or 3 structures, systems, or components)
2. Copies of ASME Section XI Code Relief Requests and associated NRC safety evaluations applicable to the examinations identified above.
 - 2.1. A list of ASME Code Cases currently being used to include the system and/or component the Code Case is being applied to.
3. A list of nondestructive examination reports which have identified recordable or rejectable indications on any ASME Code Class components since the beginning of the last refueling outage. This should include the previous Section XI pressure test(s) conducted during start up and any evaluations associated with the results of the pressure tests.
4. A list including a brief description (e.g., system, code class, weld category, nondestructive examination performed) associated with the repair/replacement activities of any ASME Code Class component since the beginning of the last outage and/or planned this refueling outage.

5. If reactor vessel weld examinations required by the ASME Code are scheduled to occur during the upcoming outage, provide a detailed description of the welds to be examined and the extent of the planned examination. Please also provide reference numbers for applicable procedures that will be used to conduct these examinations.
6. Copies of any 10 CFR Part 21 reports applicable to structures, systems, or components within the scope of Section XI of the ASME Code that have been identified since the beginning of the last refueling outage.
7. A list of any temporary non-code repairs in service (e.g., pinhole leaks).
8. Copies of the most recent self-assessments for the inservice inspection, welding, and Alloy 600 programs.
9. Copies of the procedures for welding techniques and NDE that will be used during the outage.

A.2 Additional Information Related to all Inservice Inspection Activities

1. A list with a brief description of inservice inspection entered into your corrective action program since the beginning of the last refueling outage. For example, a list based upon data base searches using key words related to piping such as: inservice inspection, ASME Code, Section XI, NDE, cracks, wear, thinning, leakage, rust, corrosion, or errors in piping examinations.
2. Provide training (e.g. Scaffolding, Fall Protection, FME, Confined Space) if they are required for the activities described in A.1.
3. Provide copies of the applicable editions of the ASME Code (Sections V, VIII, IX, and XI) for the inservice inspection program and the repair/replacement program.
4. Provide names and phone numbers for the following program leads:

Inservice inspection (examination, planning)
Containment exams
Snubbers and supports
Repair and replacement program
Licensing
Site welding engineer

B. Information to be Provided to the Inspector(s) at the Entrance Meeting (February 27, 2023):

B.1 Inservice Inspection / Welding Programs and Schedule Information

1. Updated schedules for inservice inspection/nondestructive examination activities, including planned welding activities, and schedule showing contingency repair plans, if available.

2. For ASME Code Class welds selected by the inspector from the lists provided from section A of this enclosure, please provide copies of the following documentation for each subject weld:
 - Weld data sheet (traveler).
 - Weld configuration and system location.
 - Applicable Code Edition and Addenda for weldment.
 - Applicable Code Edition and Addenda for welding procedures.
 - Applicable welding procedures used to fabricate the welds.
 - Copies of procedure qualification records (PQRs) supporting the weld procedures from B.1.b.v.
 - Copies of welder's performance qualification records (WPQ).
 - Copies of the nonconformance reports for the selected welds (If applicable).
 - Radiographs of the selected welds and access to equipment to allow viewing radiographs (if radiographic testing was performed).
 - Copies of the preservice examination records for the selected welds.
 - Readily accessible copies of nondestructive examination personnel qualifications records for reviewing.
3. For the inservice inspection related corrective action issues selected by the inspector from section A of this enclosure, provide copies of the corrective actions and supporting documentation.
4. For the nondestructive examination reports with relevant conditions on ASME Code Class components selected by the inspector from Section A above, provide copies of the examination records, examiner qualification records, and associated corrective action documents.
5. Copy of (or ready access to) most current revision of the inservice inspection program manual and plan for the current interval.
6. For the nondestructive examinations selected by the inspector from section A of this enclosure, provide copies of the nondestructive examination procedures used to perform the examinations (including calibration and flaw characterization/sizing procedures). For ultrasonic examination procedures qualified in accordance with ASME Code, Section XI, Appendix VIII, provide documentation supporting the procedure qualification (e.g. the EPRI performance demonstration qualification summary sheets). Also, include qualification documentation of the specific equipment

to be used (e.g., ultrasonic unit, cables, and transducers including serial numbers) and nondestructive examination personnel qualification records.

B.2 Codes and Standards

1. Ready access to (i.e., copies provided to the inspector(s) for use during the inspection at the onsite inspection location, or room number and location where available):
 - Applicable Editions of the ASME Code (Sections V, IX, and XI) for the inservice inspection program and the repair/replacement program.

Copies of the performance demonstration initiative (PDI) generic procedures with the latest applicable revisions that support site qualified ultrasonic examinations of piping welds and components (e.g., PDI-UT-1, PDI-UT-2, PDI-UT-3, PDI-UT-10, etc.).