

Part B Items (Onsite) - NRC Information Request (September 20, 2016) - IP 71111.08- Braidwood U1 – Documents Selected for Onsite Review.

Please provide a hard copy of the documents below to the Braidwood Resident Inspector's Office on or before 10:00 am on September 26, 2016. This list of documents compliments/supplements the existing list of information requested for the onsite review as identified in NRC request for information letter dated June 21, 2016. Additionally, provide the remainder of information identified in Section B of the NRC information request letter dated June 21, 2016. Please direct questions on this request to the lead inspector Mel Holmberg at msh@nrc.gov or 630-829-9748.

1) ITEM B.1 – See detailed list of information needed in the NRC information request letter- Welds Selected for review

The following Code Class welding scheduled for the current Unit 1 outage.

| Work Order | Description/Topic | Supporting Docs |
|------------|--|---|
| 01836557 | CM REPLACEMENT OF FAC COMPONENT 1FW151 | As stated in Item B.1 of request letter |
| 01822647 | Permanent Repair on 1SX27DB-10" | As stated in Item B.1 of request letter |

The following Code Class welds completed during prior Unit 1 outage

| Work Order | Description/Topic | Supporting Docs |
|-------------|---|---|
| 01722810-02 | Reweld FW-3 Shop Welds for Line 1AF03EB-4 | As stated in Item B.1 of request letter |

2) ITEM B.2 of NRC information request letter- ISI related corrective actions

| AR/IR Number | Description/Topic | Supporting Docs |
|----------------------------------|---|--|
| | Nuclear Safety Advisory Letter (NSAL)-16-1 "Baffle-Former Bolts." | All documents that evaluated the operating experience identified in this vendor notification letter and assigned corrective actions. |
| 02503332 | Pipe and Valve Inspection Results SX Pipe Leak | Copy of AR and all CAs and applicable evaluations including applicable nondestructive examination (NDE) reports. |
| 02512836 02512989 02512991 | UT 1SX27DB-10" Weld Overlay and Extent of Condition Exams | Copy of AR and all CAs and applicable evaluations including applicable NDE reports. |
| 02533755 | Replace Elbow on 2SX27DB-10 Downstream of 2SX057B In 2016 | Copy of AR and all CAs and applicable evaluations including applicable NDE reports. |
| 02571340 | A2R18 ISI Examination Results | Copy of AR and all CAs and applicable evaluations including applicable NDE reports. |
| 02711378 | ER-AA-335-031 UT Exam of Austenitic Piping Welds | Copy of AR and all CAs and applicable evaluations including |

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| | | applicable NDE reports. |
| 02537300 | LR – Verify Volumetric Procedure | Copy of AR and all CAs and applicable evaluations. |
| 02571599 | PT Indications SG-B (2RC01BB) Channel Head | Copy of AR and all CAs and applicable evaluations. |
| 02603954 | Piping Downstream of 1RH8729A has Through-wall leak | Copy of AR and all CAs and applicable evaluations. |
| 02611707 | Incorrect UTC on Weld Rod Slips | Copy of AR and all CAs and applicable evaluations. |
| 02488879 | 1CS020A Bolts Degraded by Leakage | Copy of AR and all CAs and applicable evaluations including applicable NDE reports. |
| 02625306 | ANII QA/QC Process Monitoring Results | Copy of AR and all CAs and applicable evaluations. |
| 02510119 | Wrong UTC Number on Weld Record (WO 1692235-29) | Copy of AR and all CAs and applicable evaluations. |
| ATI 2476265-02 | 1RC8037A body-to-bonnet lk identified during last U1 RFO Code Class 1 pressure test | Copy of AR and all CAs and applicable evaluations including bolting and boric acid evaluations. |
| | 1RC8037C body-to-bonnet leak identified during last U1 RFO Code Class 1 pressure test | Copy of AR and all CAs and applicable evaluations including boric acid and bolting evaluation 861305. |
| | 1RC8037B body-to-bonnet leak identified during last U1 RFO Code Class 1 pressure test | Copy of AR and all CAs and applicable evaluations including boric acid and bolting evaluation 899596. |
| ATI 1639774-02 and ATI 1697658-02 | 1CS05AB (1CS01SB) leak identified during last Code Class 2 pressure test. | Copy of AR and all CAs and applicable evaluations including boric acid and bolting evaluations. |

3) Item B.3- Relevant Indications

| Component | Exam Reports | Supporting docs |
|--|---|---|
| Unit 1- Degraded liner below moisture barrier(Code Category E-C- Containment Surfaces Requiring Augmented examination) | Provide the NDE examinations that support the most recent two thickness readings of the degraded liner areas. | Provide IRs, ARs and a copy of EC 402443. Additionally, provide drawing and pictures (if available) that identify the location of the degradation and locations selected for ultrasonic thickness monitoring. Provide a copy of the NDE procedure used to measure liner thickness. |

- 4) **Vendor Procedures for SG tube eddy current acquisition and analysis and site documents that perform owner review and acceptance of these procedures.**
- 5) **Copy of nondestructive examination procedure:**
 - a. **Used to conduct ultrasonic (MRP-146 examinations) of 1RC-07-7-2 elbow to safe end weld.**
 - b. **ER – AA-335-003.**
- 6) **Copy of the latest versions of the generic EPRI procedures PDI-UT-1, PDI-UT-2, and PDI-UT-8 and the EPRI procedure demonstration qualification records for vendor procedures EXE-PDI-UT-1, EXE-PDI-UT-2, EXE-PDI-UT-8.**
- 7) **Copy of the Inservice Inspection program document which identifies the specific components subject to volumetric weld examinations in each of the risk based component categories (e.g. R1.11, R1.15..) for the Braidwood Unit 1 risk based ISI program. Also provide the document which identifies the dates that volumetric examinations were completed for components within these examination categories.**
- 8) **Provide the dates that weld overlays were installed on Class 1 and 2 welds subject to volumetric examinations in the risk based ISI program for Unit 1. Also, provide a copy of the revisions that were made to the Unit 1 ISI program as a result of these overlays.**
- 9) **Copy of EC 406306 and supplements that include the SG Degradation Assessment, Condition monitoring assessment, Operational assessment and the SG secondary side integrity assessment for the Unit 1 SGs.**
- 10) **SG Eddy Current Vendor - Examination Technique Examination Technique Specification Sheets (ETSS) and site records that confirm/validate and record acceptance of these records.**
- 11) **Documents needed to support review of Reactor Vessel Head Penetration Peening (IP 71111.18).**
 - a. **Documents provided in first part of this inspection to include the current revisions of the vendor procedures that implement the vessel head peening modification (just need access to the electronic copies that were originally placed on site L drive).**
 - b. **Documents (if available) that demonstrates the corrosion resistance of the Inconel 600 nozzle areas that will be subjected to electric discharge machining.**
 - c. **Vendor procedures (and site review/approval records for these procedures) that will be used to perform the cavitation and rotary peening.**