

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

		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.**