

**NRC Information Request (8/11/16) - IP 71111.18- Braidwood U1 – Documents Selected for Onsite Review.**

Please provide a hard copies (or electronic copies) of the documents below to the Braidwood Resident Inspector's Office on or before 10:00 am on August 29, 2016. This information is necessary to support NRC reviews in accordance with IP 71111.18 "Plant Modifications" of the Unit 1 reactor head peening modification scheduled to occur during the upcoming refueling outage. Please direct questions on this request to the lead inspector Mel Holmberg at [msh@nrc.gov](mailto:msh@nrc.gov) or 630-829-9748.

1. Schedule for onsite peening mockup demonstrations (if any) or documents that recorded result of prior mockup demonstrations for each type of peening process.
2. Schedule for peening activities during the upcoming Unit 1 refueling outage.
3. Points of contact (names, titles, and phone numbers for site and vendor staff responsible for the head peening project).
4. Documents that describe/summarize the planned changes to vendor equipment, configuration of peening equipment, or peening processes from that applied during Byron Unit 2 reactor head peening (e.g. lessons learned).
5. Documents that describe/summarize planned changes to the reactor head stand (or other structures) to support vessel head peening modification.
6. Design Change Packages (including 10 CFR 50.59 screening/evaluations) for each type of reactor head peening process (e.g. cavitation and rotary peening) and supporting vendor analysis/reports including results of vendor mockup tests that confirm no detrimental effect on detection of flaws following each type of peening process.
7. Design Change Packages (including 10 CFR 50.59 screening/evaluations) for modifications to the reactor head to support peening (e.g. permanent thermal sleeve removal or planned permanent configuration changes).
8. Work order(s) implementing the head peening activities.
9. Vendor/site procedures that implement the peening process.
10. Documentation of the qualification of for each type of peening process as a "special process" under Appendix B Criterion IX.
11. Proposed post modification acceptance tests for the head peening modification.