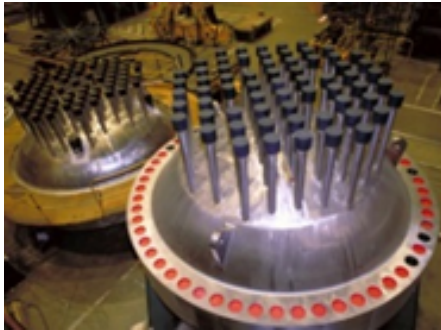




NRC UPDATE

October 2019

NUPIC General Membership Meeting
and Vendor Meeting
Arlington, Virginia



Nicholas Savvoir and Greg Galletti
Quality Vendor Inspection Branch, Office of Nuclear Reactor
Regulation



Topics

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- ❑ Vendor Inspection and Findings
- ❑ L&S Machine Company Inspection
- ❑ AZZ Nuclear/NLI Inspection
- ❑ Framatome Inspection
- ❑ NuScale AIA Inspection
- ❑ 2020 Vendor Workshop





NRC Vendor Inspections & Findings

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- (11) IQVB Activities:
 - ▣ 6 Vendor Inspections
 - ▣ 2 NUPIC Observations
 - ▣ 2 Safeguard Information (SGI) Inspections
 - ▣ 1 Aircraft Impact Assessment (AIA) Inspection
- (4) Notices of Nonconformances (NONs)
 - ▣ (1) Criterion III, “Design Control”
 - ▣ (1) Criterion VII, “Control Purchase Material Equipment and Services”
 - ▣ (2) Criterion XVI, “Corrective Actions”
- (1) Non-cited Violation - System-loss Assessment/ECCS
- (1) Unresolved Item -Criterion IX, “Control of Special Processes”





L&S Machine Company Inspection:

4

- ❑ May 6-10, 2019 Latrobe, PA (ML19150A640)
- ❑ Fabrication, assembly, and testing of safety-related components for nuclear fuel assemblies being supplied to U.S. operating nuclear power plants
- ❑ NON Criterion XVI, "Corrective Actions"
- ❑ Communication and engagement with design authority (Westinghouse)
- ❑ 4 minor issues





AZZ Nuclear/NLI Inspection

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- May 20-24, 2019 Ft. Worth, TX (ML19175A138)
- Fabrication, tests, and dedicates a variety of components for nuclear facilities, including breakers, relays, switches, and software for the U.S. operating fleet.
- NON Criterion III, “Design Control”
- Interrupting Rating
 - ▣ Critical characteristics as part of CGD
 - ▣ EPRI Joint Utility Task Group (JUTG) August 13-16, 2019
 - ▣ GE Hitachi (GEH) September 16-20, 2019 Wilmington, NC
- Eaton Contactors
 - ▣ AZZ/NLI August 29, 2019 (ML19253A053)
 - ▣ WEC September 24, 2019 (ML19269B709)
- 3 minor issues





Framatome Inspection



6

- June 24-28, 2019 Lynchburg, VA (ML19261A188)
- Fuel design and fabrication, engineering services, and replacement of safety-related components for U.S. operating nuclear power plants.
- Implementation of the quality activities associated with
 - ▣ 1) design, analysis, and corrective actions associated with TCD in safety-related computer codes used for the U.S. nuclear power plants;
 - ▣ 2) the evaluations, investigations, and corrective actions associated in the ultrasonic testing inspection performed at Palisades, for the upper head control rod drive penetration;
 - ▣ 3) oversight of suppliers and commercial-grade dedication programs
 - ▣ 4) effective protection of SGI.
- Unresolved Item
 - ▣ Performance Demonstration Qualification Statement (PDQS)



NuScale AIA Inspection

7

- May 6-9, 2019 Corvallis, OR (ML19158A376)
- 10 CFR 50.150 “Aircraft Impact Assessment.”
 - ▣ Design-specific assessment of the effects on the facility of the impact of a large commercial aircraft.
- Non-cited Violation
 - ▣ Systems-loss assessment and the emergency core cooling system (ECCS)





2020 Vendor Workshop



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- ❑ 2020 Vendor Workshop June 18, 2020 in Baltimore, Maryland.
- ❑ Since 2008, the vendor branches have facilitated biennial public workshops related to vendor oversight.
- ❑ [For more information] visit <https://www.nrc.gov/reactors/new-reactors/oversight/quality-assurance/vendor-oversight.html>



For More Information...

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- The Quality Assurance for New Reactors Website offers a variety of information including:
 - ▣ Vendor Inspection Program (VIP) Plan
<http://www.nrc.gov/reactors/new-reactors/oversight/quality-assurance/vendor-insp/vendor-insp-prog-plan.html>
 - ▣ Vendor Quality Assurance (QA) Inspection Reports for New Reactors
<http://www.nrc.gov/reactors/new-reactors/oversight/quality-assurance/vendor-insp/insp-reports.html>
 - ▣ Quality Assurance (QA) Inspections for New Reactor Licensing
<http://www.nrc.gov/reactors/new-reactors/oversight/quality-assurance/qual-assure-license.html>
 - ▣ The Vendor Times ADAMS Accession No. ML18212A422

