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# ITP Inspection Planning Meeting

# Agenda

- **Safety Brief**
- **Open to the Public**
  - NRC Region II and NRO: ITP IPs Status
  - SNC: ITP Status & Licensing Update



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# Agenda

- **Closed**
  - Organizational Chart
  - Administrative Procedures
  - Schedule
  - **Break for lunch**
  - UIN Submittals
  - Licensing Topics: Non-LAR Changes
  - Test Procedure Development Strategy
  - Review



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# Safety Brief



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## ITP Status

**Steve Waldrup | Lindsey Grissom**

**ITP Manager | Licensing Engineer**

# Project Milestones



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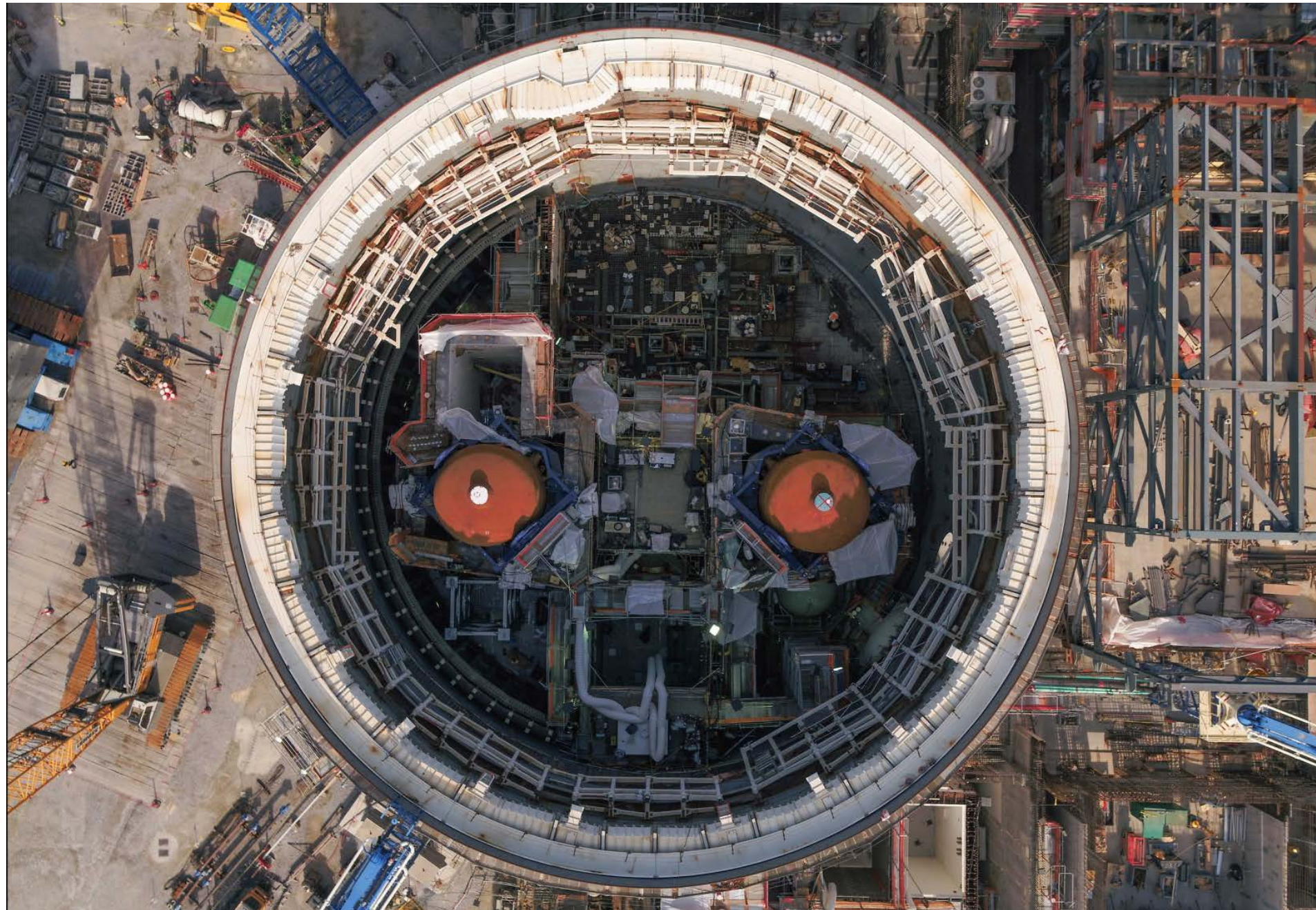


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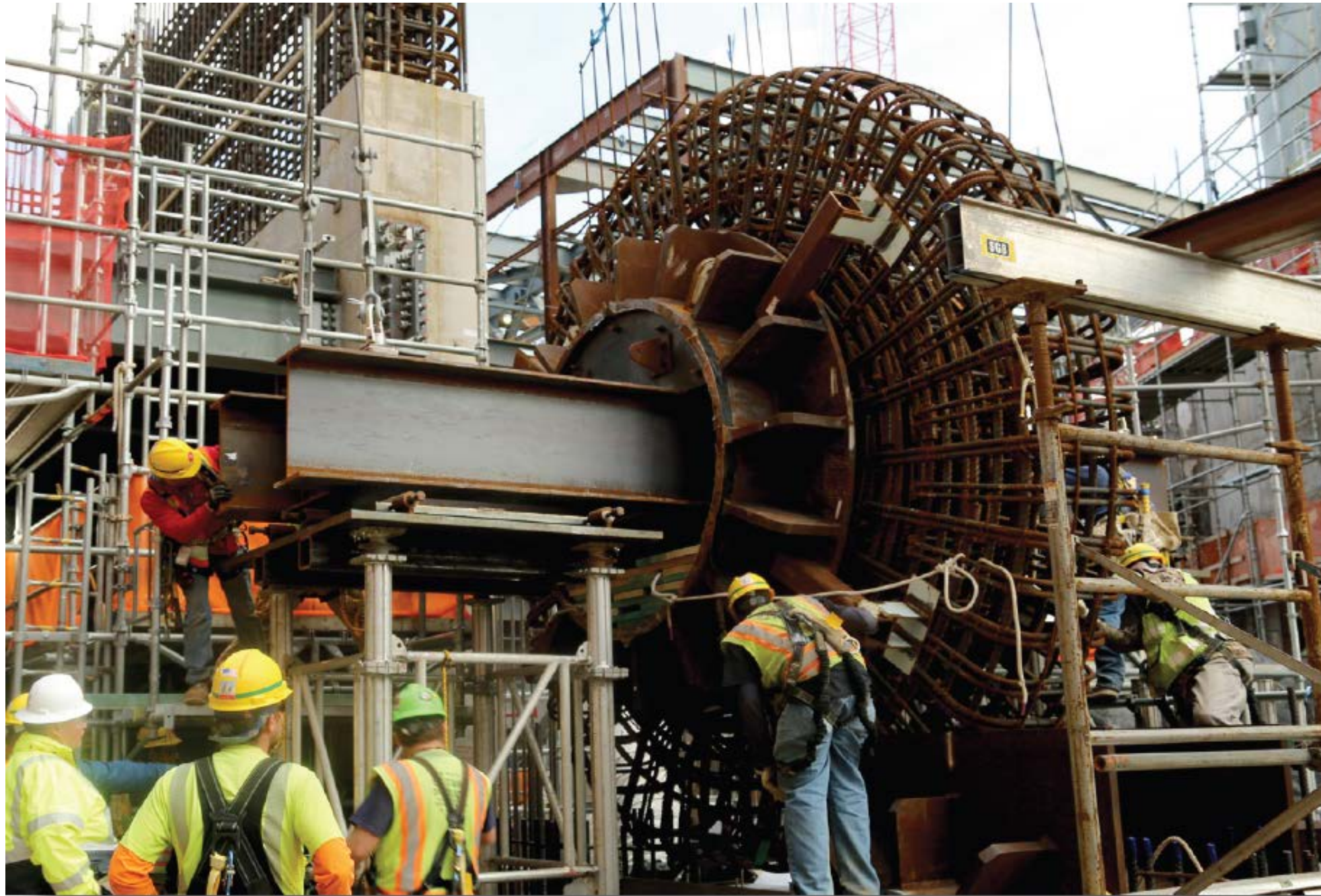
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# ITP Overview

- **Current focus is procedure development**
- **Staffing in progress**
- **Project first power block testing in last half of 2018**



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# Crediting China for First Plant Only and First Three Plant Only Tests (ITP-1)

- The VEGP 3&4 Combined Licenses (COLs) currently require First Plant Only Tests (FPOTs) be performed on both Unit 3 and Unit 4.
- If Licensee would like to credit a test performed at a previous plant (unit), a LAR is required.
- SNC would like the option to credit testing completed on the China AP1000 units.
- The SNC intent is to submit LARs covering China FPOT/F3POT applicability.
- The LAR scope will be split:
  - Pre-operational tests
  - Start-up tests

**Technical Exchange between SNC and NRC was held on 03-08-2018**

**Planned ITP-1 LAR Submittal for Pre-Operational Test Scope 07-31-2018**



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# Revision to Natural Circulation and PRHR Startup FPOT LAR 84 (LAR 17-041)

- **This LAR splits Natural Circulation test into two phases: one portion remains in low power testing, the other will be moved into power ascension testing.**
- **The proposed change in test phase creates more suitable plant conditions to run the test while ensuring safe plant operations.**

**Submitted 11-17-2017; Requested Approval 11-18-2018**



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# PRHR Heat Transfer and IRWST Heat Up Test Acceptance Criteria Change LAR 155 (LAR 17-033)

- **The proposed changes revise the methodology and acceptance criteria for the IRWST heatup preoperational test. The 3 specific changes are below:**
  - Proposed change to allow for the observation of the IRWST thermal profile during both natural circulation and forced flow PRHR heat exchanger tests.
  - The current acceptance criterion requires the data from the IRWST heatup test to verify the RCS safe shutdown temperature criterion. The newly proposed acceptance criterion requires the test to demonstrate that the average IRWST heatup is consistent with the PRHR heat exchanger heat transfer.
  - Update to reference in COL.
- **This change allows for a one-to-one comparison between the as-built plant and the safety analysis**

**Submitted 10-06-2017; Requested Approval 08-21-2018**



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# Tier 1/Tier 2\* Editorial LAR

## LAR 148 (LAR 17-042)

- **Supplement to this LAR(submittal, RAD) will propose changing the DCD, Rev. 19, references in COL to UFSAR references**
- **Enable use of existing 50.59 / departure evaluation process when making changes to Chapter 14 sections referenced in COL**
- **Discussed during 03/01/18 Public Call**

### (5) Power Ascension Testing

- (a) Upon submission of the notification required by Section 2.D.(4)(d) of this license, SNC is authorized to operate the facility at reactor steady-state core power levels not to exceed 100-percent thermal power in accordance with the conditions specified herein, but only for the purpose of performing power ascension testing;
- (b) SNC shall perform the power ascension tests identified in AP1000 DCD Rev. 19, Section 14.2.10.4, the Rod Cluster Control Assembly Out of Bank Measurements (first plant test) identified in the AP1000 DCD, Rev. 19, Section 14.2.10.4.6, and the Load Follow Demonstration (first plant test) identified in AP1000 DCD, Rev. 19, Section 14.2.10.4.22;
- (c) SNC shall review and evaluate the results of the tests identified in Section 2.D.(5)(b) of this license and confirm that these test results are within the range of acceptable values predicted or otherwise confirm that the tested systems perform their specified functions in accordance with AP1000 DCD Rev.19, Section 14.2.10.4; and
- (d) SNC shall notify the Director of NRO, or the Director's designee, in writing, upon successful completion of power ascension tests identified in Section 2.D.(5)(b) of this license, including the design-specific tests identified therein.



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