From:	Thomas Wengert
Sent:	Friday, October 6, 2023 7:44 AM
To:	REID, MARK
Cc:	Keele Jr, Riley D; Jennifer Dixon-Herrity
Subject:	Arkansas Nuclear One, Unit 2 - TSTF-505 Audit Agenda (EPID L-2023-LLA-0052)
Attachments:	Audit Agenda - ANO-2 TSTF-505 October 2023.pdf

By letter dated April 5, 2023 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML23095A281), Entergy Operations, Inc. (Entergy, the licensee) submitted a license amendment request (LAR) for Arkansas Nuclear One, Unit 2 (ANO-2). The proposed amendment would modify Renewed Operating License NPF-6 and the ANO-2 technical specifications to adopt Technical Specifications Task Force (TSTF) Traveler 505 (TSTF-505), "Provide Risk-informed Extended Completion Times, RITSTF Initiative 4b."

By email dated August 9, 2023 (ML23209A602), the U.S. Nuclear Regulatory Commission (NRC) staff issued an audit plan that conveyed the intent to conduct a regulatory audit to support its review of the subject licensing action. In the audit plan, the NRC staff requested an electronic portal setup and provided a list of documents to be added to the online portal. The audit plan also indicated that the NRC staff may request information and audit meetings/interviews throughout the audit period.

The NRC staff has performed an initial review of the list of documents and developed a set of audit questions that were sent to you via email on September 22, 2023 (ML23269A023). The responses to the questions will be discussed during the virtual audit meetings, which are scheduled from Tuesday October 17, 2023, through Thursday, October 19, 2023. The proposed agenda for the audit is provided in the attachment.

Please contact me if you have any questions.

Thank you,

Tom Wengert
Project Manager – Arkansas Nuclear One
NRR/DORL/LPL4
(301) 415-4037

Hearing Identifier: NRR_DRMA
Email Number: 2273

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Created By: Thomas.Wengert@nrc.gov

Recipients:
"Keele Jr, Riley D" <rkeele@entergy.com>
Tracking Status: None
"Jennifer Dixon-Herrity" <Jennifer.Dixon-Herrity@nrc.gov>
Tracking Status: None
"REID, MARK" <mreid1@entergy.com>
Tracking Status: None

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REGULATORY AUDIT AGENDA

LICENSE AMENDMENT REQUEST TO ADOPT TSTF-505, REVISION 2

ENTERGY OPERATIONS, INC.

ARKANSAS NUCLEAR ONE, UNIT 2

Day 1 – Tuesday, October 17th, 2023 (9:00 am to 4:00 pm EDT)*

- Entrance meeting
    - Opening remarks by NRC and Entergy
    - Introductions
    - Audit logistics - NRC to describe key elements of the regulatory audit plan, and audit logistics
- Entergy TSTF-505 presentations:
    - Real-time risk (RTR) model demonstration,
    - Electrical power distribution presentation, and
    - RICT sample calculations by Entergy
- Discuss RTR model and calculation of RICT estimates **(APLA)**
    - RTR model (including benchmarking, updating, and how seasonal variations and unit cross-ties are accounted for) **(APLA Questions 02 and 03)**
    - PRA functional determination and RICT estimates
    - Treatment of common cause failures for planned and emergent conditions
    - Identification of risk management actions
- Discuss high winds penalty **(APLC Question 01)**
- Discuss Key Principle 5, Maintenance Rule and Performance Monitoring **(APLA Question 5)**
- Summary of the day (3:30 pm EDT)[1]
- NRC staff internal meeting (4:00 pm EDT)

***** Lunch will be tentatively scheduled from 12:00 pm – 1:00 pm EDT

[1] If discussion topics are completed early, additional discussions for Day 1 may include seismic from Day 3 and/or design success criteria from Day 3.

Day 2 – Wednesday October 18th, 2023 (9:00 am to 4:00 pm EDT)*

- Summary of previous day and review open items
- Discuss internal events PRA technical acceptability, as necessary **(APLA)**
- Discuss digital I&C diversity and modeling in PRA **(APLA Question 01)**
- Discuss modeling of Open Phase Condition **(APLA Question 04)**
- Discuss in-scope LCOs and corresponding PRA modeling **(APLA Question 06)**
- Discuss sources of PRA model uncertainty **(APLA Question 07)**
- Discuss credit for FLEX equipment and actions **(APLA Question 08)**
- Summary of the day (3:30 pm EDT) [2]
- NRC staff internal meeting (4:00 pm EDT)

Day 3 – Thursday, October 19th, 2023 (9:00 am to 2:30 pm)*

- Summary of previous day and review open items
- Discuss proposed TS 6.5.20 (**STSB Question 01)**
- Discuss STSB issues **(STSB Questions 02 to 05)**
- Discuss selected design success criteria **(EEEB Questions 01 to 03)**
- Follow-up on any remaining open action items
- NRC staff internal meeting
- Technical summary meeting with Entergy's audit team (1:30 pm EDT)
- Exit meeting (2:00 pm EDT)
    - Closing remarks by NRC
    - Closing remarks by Entergy

***** Lunch will be tentatively scheduled from 12:00 pm – 1:00 pm EDT

[2] If discussion topics are completed early, additional discussions for Day 2 may include seismic from Day 3, design-success criteria from Day 3, if not discussed earlier.

Common Acronyms:

APLA	NRC/NRR/PRA Licensing Branch A
APLC	NRC/NRR/PRA Licensing Branch C
CDF	Core Damage Frequency
DORL	NRR Division of Operating Reactor Licensing
DSC	Design Success Criterion
EDG	Emergency Diesel Generator
EDT	Eastern Daylight Time
EEEB	NRC/NRR/Electrical Engineering Branch
EICB	NRC/NRR/Instrumentation & Controls Branch
ESFAS	Engineered Safety Features Actuation System
Entergy	Entergy Operations, Inc.
F&Os	Facts and Observations
FLEX	Flexible Mitigation Strategies
GDC	General Design Criteria
I&C	Instrumentation and Controls
LCO	Limiting Condition for Operation
LERF	Large Early Release Frequency
LSS	Low Safety Significant
NRC	U.S. Nuclear Regulatory Commission
NRR	Office of Nuclear Reactor Regulation
OPC	Open Phase Condition
OPIS	Open Phase Isolation System
PRA	Probabilistic Risk Assessment
RICT	Risk-informed Completion Time
RMTS	Risk-Managed Technical Specifications
RPS	Reactor Protection System
RTR	Real-time Risk
SAR	Safety Analysis Report
SG	Steam Generator
SSCs	Structures, Systems, and Components
STSB	NRC/NRR/Technical Specifications Branch
TSs	Technical Specifications
TSTF-505	Technical Specifications Task Force Traveler 505, “Provide Risk-informed Extended Completion Times, RITSTF Initiative 4b”