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ENGC Ltr. 2.00.018

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
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Docket No. 50-293
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Subject: USI A-46 Revised Method A Outlier Resolution Completion Schedule

Entergy letter 2.99.114, dated November 8, 1999, identified nineteen (19) additional outliers due to application of revised SQUG Method A guidance. A completion schedule was not available at that time, as these additional outliers were being assessed for resolution. The assessments are now complete. The assessment results, resolution details, and completion schedule for remaining work are provided in Attachment A.

Should you have any further questions or concerns, please do not hesitate to contact us.

This letter contains schedule commitments relative to the completion of remaining USI A-46 outliers.

Sincerely,



for Mike Bellamy

JDK/vc

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Attachment A to ENGC Letter 2.00.018

Summary Status of Revised Method A Outliers

Additional A-46 outliers were identified when Safe Shutdown Equipment List (SSEL) components were re-screened using the revised Method A guidance, which defines the effective grade at the building foundation level. A comparison of the in-structure response spectra (ISRS) to 1.5 times the GIP Bounding Spectrum resulted in nineteen (19) additional outliers. A summary status is provided.

Of these nineteen outliers, fourteen (14) have been resolved. Resolution activities for the remaining five (5) outliers include collecting vendor qualification data as necessary, performing minor modifications, and conducting inspections to confirm as-built details. The inspections and modifications require an extended outage condition due to accessibility limitations, equipment service and scheduling considerations. As such, these activities are scheduled for the next refueling outage (RFO #13) planned to commence approximately in April 2001.

Outlier

O70 **Equipment ID:** PS3828A, PS3828B, PS3829A, PS3829B

Description: SSW LP A & LP B Pump Control & Alarm

Outlier Finding(s): Capacity versus demand outlier.

Outlier Status: Resolved. Analysis demonstrates capacity exceeds the demand at and above the natural frequency of the components.

O71 **Equipment ID:** PT3828, PT3829

Description: SSW LP A & LP B Pump Discharge

Outlier Finding(s): Capacity versus demand outlier.

Outlier Status: Resolved. Analysis demonstrates capacity exceeds the demand at and above the natural frequency of the components.

O72 **Equipment ID:** C64

Description: SSW HVAC Control Panel

Outlier Finding(s): Capacity versus demand outlier.

Outlier Status: Resolved. Analysis demonstrates capacity exceeds demand.

O73 **Equipment ID:** C108 & C109

Description: CRHEAFS Panels C108 and C109

Outlier Finding(s): Capacity versus demand outlier.

Outlier Status: Resolved. Analysis demonstrates capacity exceeds demand.

O74 **Equipment ID:** SVL-5 & SVL-15

Description: CRHEAFS Train A & Train B Damper Controls

Outlier Finding(s): Capacity versus demand outlier.

Outlier Status: Resolved. Component specific evaluation demonstrates the items are seismically qualified to FSAR requirements.

O75 **Equipment ID:** PT504A, PT504B, PT504C AND PT504D

Description: RPS First Stage Turbine Pressure

Outlier Finding(s): Capacity versus demand outlier.

Outlier Status: Resolved. Component specific evaluation demonstrates the items are seismically qualified to FSAR requirements.

O76 **Equipment ID:** TE9019 & TE9044

Description: Drywell Temperature Element

Outlier Finding(s): Capacity versus demand outlier.

Outlier Status: Resolved. Component specific evaluation demonstrates the items are seismically qualified to FSAR requirements.

O77 **Equipment ID:** MO1201-2 & MO1201-5

Description: RWCU Suction Line Isolation Valves

Outlier Finding(s): The originally inspected valves were replaced during RFO #10. The new valves and operators were not inspected to A46 Program requirements.

Outlier Status: Resolved. The new valves were installed in accordance with an approved design change package which meets current practice and FSAR criteria.

O78 **Equipment ID:** MO4038B & MO4039B

Description: RBCCW Drywell EAC Control Valve

Outlier Finding(s): Capacity versus demand outlier.

Outlier Status: Resolved. Analysis demonstrates capacity exceeds demand.

O79 **Equip. ID:** VAC205A1, VAC205A2, VAC205D1 and VAC205D2

Description: RBCCW Drywell EACs

Outlier Finding(s): Capacity versus demand outlier.

Outlier Status: VAC205A1 & VAC205D1: Open. The current configuration is judged to have sufficient capacity to perform its function, but a modification is planned for RFO #13 to enhance margin.

Outlier Status: VAC205A2 & VAC205D2: Open. Analysis demonstrates capacity exceeds demand at or above the natural frequency of the component. A confirmatory field inspection of the cooling coil frame and cooler bracing as-built details is scheduled for RFO #13.

O80 **Equipment ID:** VAC205B1& VAC205B2

Description: RBCCW Drywell EAC

Outlier Finding(s): Capacity versus demand outlier.

Outlier Status: Open. Analysis demonstrates capacity exceeds demand at or above the natural frequency of the component. A confirmatory field inspection of the cooling coil frame as-built details is scheduled for RFO #13

O81 **Equipment ID:** VAC207A, VAC207B, VAC207C, VAC207D,

Description: RBCCW Recirc MG Set EAC

Outlier Finding(s): Capacity versus demand outlier.

Outlier Status: Open. These non-essential coolers are included on the SSEL to assure integrity of the RBCCW pressure boundary. The current configuration is judged to have sufficient capacity to perform this function. A modification is planned to enhance margin. The modification is in the Recirc MG Set Room directly above the Recirc MG Set control panels. Due to the concern for inadvertent disturbance of the control panels and the potential for a plant trip, the work is scheduled for RFO #13.

O82 **Equipment ID:** VAC205B1-BDD & VAC205B2-BDD

Description: RBCCW Drywell EAC Backdraft Damper

Outlier Finding(s): Capacity versus demand outlier.

Outlier Status: Resolved. Analysis demonstrates capacity exceeds demand.

O83 **Equipment ID:** AO220-44 & AO220-45

Description: RX Sample Line Isolation Valves

Outlier Finding(s): Capacity versus demand outlier.

Outlier Status: Resolved. Analysis demonstrates capacity exceeds demand.

O84 **Equipment ID:** SV220-44 & SV220-45

Description: RX Sample Line Control Solenoids

Outlier Finding(s): Capacity versus demand outlier.

Outlier Status: Resolved. Analysis demonstrates capacity exceeds demand.

O85 **Equip. ID:** RV203-3A, RV203-3B, RV203-3C, RV203-3D,

Description: ADS Main Steam Relief Valve

Outlier Finding(s): Capacity versus demand outlier.

Outlier Status: Open. These are rugged components. Existing design documents or additional evaluation is expected to demonstrate capacity exceeds demand. These activities are ongoing and are planned to be complete prior to RFO #13.

O86 **Equipment ID:** RV203-4A & RV203-4B

Description: ADS Main Steam Safety Valve

Outlier Finding(s): Capacity versus demand outlier.

Outlier Status: Open. These are rugged components. Existing design documents or additional evaluation is expected to demonstrate capacity exceeds demand. These activities are ongoing and are planned to be complete prior to RFO #13.

O87 **Equipment ID:** VRV261-97A, VRV261-97B, VRV261-97C, VRV261-97D & VRV261-98A, VRV261-98B, VRV261-98C, VRV261-98D

Description: SRV Torus Discharge Vacuum Breakers

Outlier Finding(s): Capacity versus demand outlier.

Outlier Status: Resolved. Component specific evaluation demonstrates the items are seismically qualified to FSAR requirements.

O88 **Equipment ID:** VEX104A & VEX104B

Description: SSW Exhaust Fans

Outlier Finding(s): Capacity versus demand outlier.

Outlier Status: Resolved. The outlier has been resolved by a support modification to VEX104A and VEX104B.