



Catawba Nuclear Station – License Amendment Request Proposed TS Bases Descriptions for Shared Systems

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Outline

- Proposed Change
- Reason for Request
- LAR Technical Content
- LAR Regulatory Content
- Schedule

Proposed Change

- License Amendment Request (10 CFR 50.90) to revise the Technical Specification (TS) Bases for the following shared systems:
 - Nuclear Service Water System (NSWS)
 - Control Room Area Ventilation System (CRAVS)
 - Control Room Area Chilled Water System (CRACWS)
 - Auxiliary Building Filtered Ventilation Exhaust System (ABFVES)
- Add descriptions for crediting one emergency diesel generator on a unit in MODE 5 or 6 (i.e., shutdown unit) as the emergency power source for operability of the NSWS, CRAVS, CRACWS, ABFVES shared components aligned to the opposite unit in MODE 1, 2, 3 or 4 (i.e., online unit)

Reason for Request

- Current Engineered Safety Features (ESF) testing alignment for shared systems
 - One shared train is aligned to a shutdown unit and is declared INOPERALBE
 - TS Bases at Catawba specify a normal and emergency power source is needed for operability
 - If the shared train aligned to the online unit becomes inoperable for any reason, the result may be a TS Limiting Condition for Operation (LCO) 3.0.3 type situation
- The proposed change is desired to eliminate the higher risk associated with TS LCO 3.0.3 type situations
- The proposed change is also desired to avoid situations where Catawba may consider a Notice of Enforcement Discretion (NOED) request

License Amendment Request – Technical Content

Statement proposed for insertion into the NSW, CRAVS, CRACWS and ABFVES TS Bases:

"Crediting one of the emergency diesel generators associated with a unit in MODE 5 or 6 as the emergency power source for OPERABILITY of the [NSWS] [CRAVS] [CRACWS] [ABFVES] shared components that are aligned to the other unit that is in MODES 1, 2, 3 or 4, is acceptable, provided the following conditions are met:

- The credited emergency diesel generator associated with the unit in MODE 5 or 6 meets applicable TS 3.8.1 LCO and SR requirements, and
- The credited emergency diesel generator associated with the unit in MODE 5 or 6 meets TS 3.8.3 LCO and SR requirements, and
- Shared 600v Motor Control Centers meet TS 3.8.9 LCO and SR requirements, and
- The credited emergency diesel generator associated with the unit in MODE 5 or 6 meets the requirements of the TS 1.1 definition of OPERABLE/OPERABILITY."

License Amendment Request – Regulatory Content

- No Technical Specification Changes (TS Bases changes only)
- General Design Criterion 5, Sharing of structures, systems and components – no impact
- General Design Criterion 17, Electric power systems – no impact
- General Design Criterion 18, Inspection and testing of electric power systems – no impact
- Continue to meet Safety Guide 6 (i.e., original revision of Regulatory Guide 1.6), Independence Between Redundant Standby (Onsite) Power Sources and Between their Distribution Systems

Schedule

- Submittal of License Amendment Request pursuant to 10 CFR 50.90 by May 31, 2016
- Requesting approval of the proposed change to the TS Bases prior to implementation
- Requesting Staff approval of the application within one year of the date of submittal

