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U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
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**KEWAUNEE NUCLEAR POWER PLANT
DOCKET 50-305
LICENSE No. DPR-43
BASES REVISION(S) TO THE KEWAUNEE NUCLEAR POWER PLANT TECHNICAL
SPECIFICATIONS**

Nuclear Management Company (NMC), licensee for the Kewaunee Nuclear Power Plant (KNPP), hereby submits a revision to the Bases for the Technical Specifications (TS) 3.5, "Instrumentation System" The change to the bases is being submitted to correct the error in the TS Basis for initiation of steam line isolation found on TS Basis page TS B3.5-2. The error is that under the Setting Limits heading, item 2 states that the initiation of steam line isolation occurs at about 30% of maximum internal containment pressure. The setpoint is actually 37% or "about 40%".

These changes have been screened for evaluation pursuant to the requirements of 10 CFR 50.59 in accordance with approved KNPP procedures and were determined to be acceptable.

Enclosed is a copy of the revised Technical Specification Bases page (TS B3.5-2) for your controlled TS.



Thomas Coutu
Site Vice-President, Kewaunee Plant

GOR

cc US NRC, Region III
US NRC, Senior Resident Inspector
Electric Division, PSCW

Enclosure

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Containment Isolation

A containment isolation signal is initiated by any signal causing automatic initiation of Safety Injection or may be initiated manually. The containment isolation system provides the means of isolating the various pipes passing through the containment walls as required to prevent the release of radioactivity to the outside environment in the event of a loss-of-coolant accident.

Steam Line Isolation

In the event of a steam line break, the steam line isolation valve of the affected line is automatically isolated to prevent continuous, uncontrolled steam release from more than one steam generator. The steam lines are isolated on Hi-Hi containment pressure or high steam flow in coincidence with Lo-Lo T_{avg} and Safety Injection or Hi-Hi steam flow in coincidence with Safety Injection. Adequate protection is afforded for breaks inside or outside the containment even under the assumption that the steam line check valves do not function properly.

Main Feedwater Isolation

Main feedwater isolation actuation occurs as a result of a Hi-Hi steam generator water level to prevent steam generator overfill conditions. Steam generator overfill may result in damage to secondary components; for example, high moisture steam could erode the turbine blades at an accelerated rate.

Setting Limits

1. The high containment pressure limit is set at about 10% of the maximum internal pressure. Initiation of Safety Injection protects against loss-of-coolant⁽²⁾ or steam line break⁽³⁾ accidents as discussed in the safety analysis.
2. The Hi-Hi containment pressure limit is set at about 50% of the maximum internal containment pressure for initiation of containment spray and at about 40% for initiation of steam line isolation. Initiation of containment spray and steam line isolation protects against large loss-of-coolant or steam line break accidents as discussed in the safety analysis.
3. The pressurizer low-pressure limit is set substantially below system operating pressure limits. However, it is sufficiently high to protect against a loss-of-coolant accident as shown in the safety analysis.

⁽²⁾ USAR Section 14.3

⁽³⁾ USAR Section 14.2.5