ENCLOSURE 1

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NOS. 1 AND 2
DOCKET NOS. 50-325 AND 50-324
LICENSE NOS. DPR-71 AND DPR-62
CONDENSER VACUUM PUMP ISOLATION

REPLACEMENT TECHNICAL SPECIFICATION PAGES

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3/4.3.7 REACTOR CORE ISOLATION COOLING SYSTEM ACTUATION INSTRUMENTATION

The reactor core isolation cooling system actuation instrumentation is provided to initiate actions to assure adequate core cooling in the event of reactor isolation from its primary heat sink and the loss of feedwater flow to the reactor vessel without providing actuation of any of the emergency core cooling equipment.

Specified surveillance intervals and allowed out-of-service times were established based on the reliability analyses documented in GE report GENE-770-06-2P-A, "Bases for Changes to Surveillance Test Intervals and Allowed Out-of-Service Times for Selected Instrumentation Technical Specifications," December 1992.

3/4.3.8 CONDENSER VACUUM PUMP ISOLATION INSTRUMENTATION

Background

The condenser vacuum pump isolation instrumentation initiates a trip of the respective condenser vacuum pump and the common isolation valve following events in which the main steam line radiation monitor(s) exceed a predetermined value. The condenser vacuum pump isolation instrumentation initiates an isolation of the condenser vacuum pump(s) to limit main control room doses resulting from fuel cladding failure in the event of a control rod drop accident (CRDA). The isolation logic consists of two independent trip systems, with two channels of the Main Steam Line Radiation-High Function in each trip system. Each trip system is a one-out-of-two logic for this function. Thus, either channel of the Main Steam Line Radiation-High Function in each trip system are needed to trip a trip system. The outputs of the channels are arranged in a logic so that both trip systems must trip to result in an isolation signal