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## U.S. NUCLEAR REGULATORY COMMISSION APPROVED OMB NO. 3150-0104

## LICENSEE EVENT REPORT (LER)

EXPIRES: 8/31/88

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FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)	PAGE (3)	
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Perry Nuclear Power Plant, Unit 1	0 5 0 0 0 4 4 0	817 - 0 6 6 - 010	012 OF 0 13	
TEXT (# more spece is required, use additional NRC Form 386A's) (17)				

On September 26, 1987 at 0800, it was discovered that the surveillance instructions (SVI) for the Division 1 and Division 2 standby diesel generators (DG) [EK] did not adequately test all of the DG lockout features as required by Technical Specifications. At the time of the discovery, the plant was in Operational Condition 4 (Cold Shutdown). Reactor coolant temperature was approximately 120 degrees and reactor vessel [RPV] pressure was atmospheric.

On September 26 at 0800 during the review of a proposed revision to a DG surveillance instruction, it was discovered that two of the four DG lockout features for the Division 1 and 2 DGs were currently not adequately tested as required by Technical Specification 4.8.1.1.2.e.14.a. Technical Specifications require (at least once per 18 months, during shutdown) verification that the four diesel generator lockout features will prevent diesel generator starting only when required. In Operational Condition 4, the Technical Specification Action statement requires suspension of Core Alterations, handling of irradiated fuel, operations with a potential for draining the reactor vessel, and crane operations over the spent fuel storage pool. None of these operations were in progress at the time of discovery.

The cause of this event was inadequate procedures. Surveillance instructions SVI-R43-T1327 & T1328, "Division 1 (2) Standby Diesel Generator 18 Month Functional Test," tested the pull-to-lock switch by placing the switch in pull-to-lock, then attempting to turn the switch to the start position. As a result, only the locking feature of the switch was tested. In addition, testing of the barring device engaged was performed while the inop/normal switch was in the inop position. Since the inop/normal switch in the inop position will prevent the DG from starting, the barring device feature was not independently tested.

A review to ensure incorporation of all Technical Specification surveillance requirements in SVIs has been ongoing. The inadequacy of SVI-R43-T1328 revision 2 was identified during this review which was conducted in parallel with the revision review.

The standby diesel generators provide an independent source of AC power to the Division 1, 2, and 3 Class IE buscs [EB] in the event of a loss of the redundant offsite power supply. The civisions are arranged such that no single credible event is capable of disabling sufficient equipment to prevent reactor shutdown, removal of decay heat from the core, or isolation of containment in the event of an accident. Testing of the DG lockout features ensures that the DG cannot start when the DG is purposely placed in an inoperative condition. However, the failure to test the lockout features would not have prevented the DGs from performing their required function. Therefore, this event is not considered safety significant. No previous similar events were identified.

RC Forth 386A

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As a result of this event, SVI-R43-T1327 & T1328 have been revised and the lockout features for the Division 1 and 2 DGs were successfully tested on September 28 and 30 respectively. In addition, the ongoing review of SVIs will continue to ensure incorporation of all Technical Specification surveillance requirements.

Energy Industry Identification System Codes are identified in the text as  $[{\rm XX}]_{\, \star}$ 

NRC Form 396A (9-83)