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Writer's Direct Dial Number:

November 21, 1994
C321-94-2346

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

Dear Sir:

Subject: Oyster Creek Nuclear Generating Station
Docket No. 50-219
Licensee Event Report 94-019

Enclosed is Licensee Event Report 94-019.

If you should have any questions or require further information, please contact Brenda DeMerchant, Oyster Creek Licensing Engineer at (609) 971-4642.

Very truly yours,

for . [Signature]
John J. Barton
Vice President & Director
Oyster Creek

JJB/BDEM:jc

cc: Administrator, Region 1
Senior NRC Resident Inspector
Oyster Creek NRC Project Manager

230: 9412010179 941121
PDR ADDCK 05000219
S PDR

GPU Nuclear Corporation is a subsidiary of General Public Utilities Corporation

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LICENSEE EVENT REPORT (LER)

U.S. NUCLEAR REGULATORY COMMISSION
APPROVED BY OMB NO. 3150-0104
EXPIRES 5/31/95

FACILITY NAME (1)

Oyster Creek, Unit 1

DOCKET NUMBER (2)

05000219

PAGE (3)

1 OF 3

TITLE (4) SBO POWER SOURCE UNAVAILABLE DUE TO INADEQUATE DESIGN OF MODIFICATION DUE TO INADEQUATE ADMINISTRATIVE CONTROL

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)	
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAME	DOCKET NUMBER
10	19	94	94	019	0	11	21	94	FACILITY NAME	DOCKET NUMBER
OPERATING MODE (9)			THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more) (11)							
			20.402(b)		20.405(c)		<input checked="" type="checkbox"/> 50.73(a)(2)(iv)		73.71(b)	
POWER LEVEL (10)			20.405(a)(1)(i)		50.36(c)(1)		50.73(a)(2)(v)		73.71(c)	
			20.405(a)(1)(ii)		50.36(c)(2)		50.73(a)(2)(vii)		OTHER	
			20.405(a)(1)(iii)		50.73(a)(2)(i)		50.73(a)(2)(viii)(A)		Specify in Abstract below and in Text, NRC Form 366A)	
			20.405(a)(1)(iv)		50.73(a)(2)(ii)		50.73(a)(2)(viii)(B)			
			20.405(a)(1)(v)		50.73(a)(2)(iii)		50.73(a)(2)(x)			

LICENSEE CONTACT FOR THIS LER (12)

NAME

ASHOK AGRAWAL, ENGINEER SR. 1, SYSTEM ENGINEERING

TELEPHONE NUMBER (Include Area Code)

609-971-4560

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS

SUPPLEMENTAL REPORT EXPECTED (14)

YES
(If yes, complete EXPECTED SUBMISSION DATE).

☒

NO

EXPECTED SUBMISSION DATE (15)

MONTH DAY YEAR

ABSTRACT (16)

On October 19, 1994, a Station Blackout (SBO) power supply failed to start during a functional test. Subsequent investigation determined a control power modification made in May, 1994 without GPUN review prevented the unit from starting in a loss of power mode. Interruption of AC power to a trip circuit caused a unit trip. An uninterruptible power supply (UPS) was installed to maintain the trip circuit energized. The agreement between GPUN and the operator of the power supply (JCP&L) was revised to include review and testing of unit modifications.

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION
APPROVED BY OMB NO. 3150-0104
EXPIRES 5/31/95

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Oyster Creek, Unit 1	05000219	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	2 OF 3
		94	019	0	

DATE OF OCCURRENCE

The condition was discovered on 10/19/94, at 1400 hours.

IDENTIFICATION OF OCCURRENCE

While performing a SBO functional test, it was discovered that a previous modification had prevented the CTs from starting in a loss of power mode. SBO coping capabilities are required per 10 CFR 50.62. This is reportable in accordance with 10 CFR 50.73 (a) (2) (iv).

CONDITIONS PRIOR TO OCCURRENCE

The plant was in a cold shutdown condition for a refueling outage when the SBO functional test was being performed, however, subsequent to the modification being installed in May, 1994, the plant has operated in all modes.

DESCRIPTION OF OCCURRENCE

On October 19, 1994, a CT (E1IS-EA) failed to start during the SBO functional test. The purpose of the test is to test the ability of CTs to power plant equipment during a loss of offsite power. Subsequent investigation revealed that the interruption of AC power to the detector caused a high gas concentration trip. This trip signal was added in May, 1994 to existing gas detectors to trip the CT when the potential for an explosion exists in the CT enclosure.

A UPS was installed to power the monitor and restore the CT capability on loss of offsite power. The test was successfully completed on November 8, 1994.

LICENSEE EVENT REPORT (LER)
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CAUSE OF EVENT

The cause of the event is inadequate administrative controls in the agreement between GPUN and JCP&L to ensure continued compliance with the SBO rule. JCP&L did not recognize that this modification disabled the CT on a loss of AC power, and thus did not meet the SBO requirements. Oyster Creek Nuclear Generating Station is operated by GPUN and the CT equipment is operated by JCP&L. The equipment causing the unavailability of the SBO power supply is located outside GPUN jurisdiction. The existing agreement between JCP&L and GPUN does not require a design change review by GPUN.

ANALYSIS OF OCCURRENCE & SAFETY ASSESSMENT

SBO was not available for approximately 4 months during all phases of plant operation. Safety significance is considered minimal because a minimum of one EDG was operable as required by Technical Specifications.

CORRECTIVE ACTION

1. An uninterruptible power supply has been installed to power the gas leak detectors for CT-1.
2. An agreement has been established between JCP&L and GPUN that provides review and testing of all CT modifications.
3. A UPS will be installed when #2 CT is returned to operability after a current maintenance outage on the CT is complete.

SIMILAR EVENTS

LER 94-007 Scram Due to Switchyard Modification Work