

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) South Texas, Unit 1										DOCKET NUMBER (2) 0 5 0 0 0 4 9 1 8										PAGE (3) 1 OF 04									
TITLE (4) Failure to Perform Surveillance Testing of Intermediate Range Nuclear Instrumentation Prior to Entering Mode 2																													
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 NAMES											
																		DOCKET NUMBER(S)											
																		0 5 0 0 0											
0 6		1 3		8 8		8 8		0 3		8		0 0		0 7		1 3		8 8		0 5 0 0 0									
OPERATING MODE (9) 2						THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following) (11)																							
POWER LEVEL (10) 0 0 0						20.402(b)						20.405(e)						50.73(a)(2)(iv)						73.71(b)					
						20.405(a)(1)(i)						50.36(e)(1)						50.73(a)(2)(vi)						73.71(e)					
						20.405(c)(1)(ii)						50.36(e)(2)						50.73(a)(2)(vii)						OTHER (Specify in Abstract below and in Text, NRC Form 366A)					
						20.405(a)(1)(iii)						50.73(a)(2)(i)						50.73(a)(2)(viii)(A)											
						20.405(a)(1)(iv)						50.73(a)(2)(ii)						50.73(a)(2)(viii)(F)											
20.405(a)(1)(v)						50.73(a)(2)(iii)						50.73(a)(2)(ix)																	
LICENSEE CONTACT FOR THIS LER (12)																													
NAME Charles A. Ayala - Supervising Licensing Engineer																TELEPHONE NUMBER 5 1 2 9 1 7 2 1 - 1 8 1 6 1 2 1 8													
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																													
CAUSE		SYSTEM		COMPONENT		MANUFACTURER		REPORTABLE TO NPDOS		CAUSE		SYSTEM		COMPONENT		MANUFACTURER		REPORTABLE TO NPDOS											
E																													
SUPPLEMENTAL REPORT EXPECTED (14)																EXPECTED SUBMISSION DATE (15)		MONTH		DAY		YEAR							
YES (If yes, complete EXPECTED SUBMISSION DATE)																X NO													

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single space typewritten lines) (16)

At 0655 hours on June 13, 1988, Unit 1 changed from Mode 3 to Mode 2. At approximately 1100 hours on the same day, it was discovered that the Intermediate Range Nuclear Instruments had not had an Analog Channel Operational Test performed on them in the previous thirty-one days as required by Technical Specification 4.3.1.1 prior to entering Mode 2. The tests had been performed at 1035 hours in preparation for entry into Mode 1 and the results were acceptable. However, Unit 1 had been in Mode 2 for approximately three hours and forty minutes prior to the completion of the required testing. The causes of this event were inadequate review of surveillance test status prior to the mode change and inadequate requirements for use of the Mode Change Report. Corrective actions include issuance of instructions and procedure revisions on the use of the Mode Change Report, a revision to the Mode Change Report format, a review of the surveillance program to improve scheduling of conditional surveillances and establishment of a Surveillance Program Task Force.

8807250435 880713
PDR ADOCK 0500049B
S PNU

NL.LER88038

FE22
1/1

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
South Texas, Unit 1	0 5 0 0 0 4 9 8	8 8	— 0 3 8	— 0 0	0 2	OF	0 4

TEXT (If more space is required, use additional NRC Form 365A's) (17)

DESCRIPTION OF OCCURRENCE:

During the afternoon of June 12, 1988, plant personnel were making preparations for a plant mode change from Mode 3 to Mode 2. As part of the Plant Operations heatup procedure, the Shift Supervisor obtains various department manager's signatures. These signatures indicate that the managers have reviewed their responsible work activities, including surveillance tests, and that their department can support the upcoming mode change. At approximately 1530 hours, the Shift Supervisor called the Maintenance Manager to obtain his permission to sign for him. Normally, the Maintenance Manager would have checked with his Division Managers and his Divisional Surveillance Coordinators. However, since this occurred on a Sunday afternoon, he instead called the three maintenance shops. He mistakenly assumed that the mode change report had been reviewed on the previous Friday, and the mode restraints identified to the shops. However, the I&C Divisional Surveillance Coordinator had not known of the impending mode change on Friday, and thus had not reviewed the Mode Change Report. Therefore, the Maintenance Manager was erroneously told that there were no mode change restraints, which he then relayed to the Shift Supervisor.

At 0655 hours on June 13, 1988, Unit 1 entered Mode 2. Upon hearing that Unit 1 was critical, the I&C Divisional Surveillance Coordinator realized that conditional surveillances required for entry into Mode 1 had not been performed. He immediately notified the Shift Supervisor and made preparations to perform the Intermediate Range Nuclear Instrumentation Analog Channel Operational Tests. The tests were satisfactorily performed at 1035 hours. He subsequently reviewed the other surveillances required for the previous entry into Mode 2 and the upcoming change to Mode 1 and determined that the above instruments had not been tested prior to entry into Mode 2.

This event was determined to be reportable and the NRC was notified pursuant to 10CFR50.72 at 1504 hours on June 13, 1988.

CAUSE OF OCCURRENCE:

The root causes of this event were:

1. Less than adequate review of surveillance test status by a Department Manager prior to his signature in the heatup procedure.
2. Inadequate surveillance program, in that it failed to require the proper use of the Mode Change Report.

NL LER99038

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES 8/31/85

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
South Texas, Unit 1	0 5 0 0 0 4 9 8	8 8	— 0 3 8	— 0 0	0 3	OF 0 4

TEXT (If more space is required, use additional NRC Form 366A's) (17)

ANALYSIS OF EVENT:

There were no adverse safety or radiological consequences as a result of the event. The event did not produce any additional risk to the public.

The event is reportable pursuant to 10CFR50.73(a)(2)(i)(B). The Intermediate Range Nuclear Instruments were in an untested condition as required by Technical Specification 4.3.1.1 for three hours and forty minutes on June 13, 1988, while Unit 1 was in Mode 2, and, as such, the unit was in a configuration prohibited by Technical Specifications.

CORRECTIVE ACTION:

The following corrective actions are being taken to prevent recurrence of the event:

1. The mode change report was reviewed. No other missed surveillances were identified for this startup.
2. On June 15, 1988, a memorandum was issued by the Plant Manager describing immediate corrective actions to be taken during upcoming mode changes. This includes department representative's signoff and Department Manager's signoff of the Mode Change Report. In addition, the Shift Supervisors were directed to review and sign the Mode Change Report prior to mode changes.
3. The appropriate procedures have been revised to require that the Mode Change Report is reviewed and signed by the Cognizant Department, followed by a final review, by a designated individual, of the complete Mode Change Report to ensure that all of the surveillance line items have been properly signed and that the departments have signed for the review of their sections. This action was completed on July 9, 1988.
4. The Mode Change Report has been revised to make it easier to review.
5. The surveillance program will be reviewed to determine if certain conditional surveillance requirements can be scheduled as routine tasks, or flagged by appropriate procedures. This will be completed by September 30, 1988.
6. A Surveillance Program Task Force has been established. This Task Force will review the entire surveillance program in detail and provide management with suggestions for improvement. The first Task Force Report was provided to plant management on July 8, 1988.

NL LEW88038

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED DMB NO. 3150-0104
EXPIRES 8/31/85

FACILITY NAME (1) South Texas, Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 4 9 8 8 8 -	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		0 3 8 -	0 0	0 4	OF	0 4	

TEXT (If more space is required, use additional NRC Form 365A's) (17)

ADDITIONAL INFORMATION:

The following LER's have been previously submitted regarding surveillance test program deficiencies at STPEGS:

LER 87-009 Surveillance Deficiency Due to a Procedural Inadequacy Resulting in a Technical Specification Violation

LER 87-017 Pressurizer Low Pressure Safety Injection Setpoint Too Low Due to Procedural Error

LER 87-019 Slave Relay Surveillance Deficiency Due to a Personnel Error

LER 87-026 Degraded Undervoltage Coincident with a Safety Injection Circuitry Surveillance Deficiency Due to a Deficient Procedure

LER 88-005 Inadequate Surveillance Performed on a Control Room Intake Radioactivity Monitor

LER 88-006 Inadequate Surveillance Testing of Master Relays

LER 88-007 Incorrect Formula in a HVAC Surveillance Procedure

LER 88-010 Inoperability of Reactor Coolant Pump Seal Injection Containment Isolation Valves

LER 88-011 Nonperformance of Scheduled Surveillance Test for Essential Chilled Water Pump as a Result of a Lost Test Package

LER 88-012 Failure to Fully Implement Technical Specification Surveillance Requirements Due to Procedural Deficiency

LER 88-013 Failure to Test RCS Low Flow Times Due to Procedure Deficiencies

LER 88-023 Nonperformance of a Scheduled Surveillance Test for Essential Cooling Water Screen Wash Booster Pump Due to an Inadequate Procedure

LER 88-034 Failure to Test Containment Spray Sequencer Actuation

LER 88-035 Nonperformance of a Required Surveillance Test for a Component Cooling Water Valve Due to an Inadequate Procedure

NU LER88038

The Light company

Houston Lighting & Power

P.O. Box 1700 Houston, Texas 77001 (713) 228-9211

July 13, 1988
ST-HL-AE-2717
File No.: G26
10CFR50.73

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

South Texas Project Electric Generating Station
Unit 1
Docket No. STN 50-498
Licensee Event Report 88-038 Regarding Failure
to Perform Surveillance Testing of Intermediate
Range Nuclear Instrumentation Prior to Entering Mode 2

Pursuant to 10CFR50.73, Houston Lighting & Power (HL&P) submits the attached Licensee Event Report (LER 88-038) regarding failure to perform surveillance testing of Intermediate Range Nuclear Instrumentation prior to entering Mode 2. This event did not have any adverse impact on the health and safety of the public.

If you should have any questions on this matter, please contact Mr. C.A. Ayala at (512) 972-8628.

G.E. Vaughn *by [Signature]*
G. E. Vaughn
Vice President
Nuclear Plant Operations

GEV/BEM/nl

Attachment: LER 88-038 Regarding Failure to
Perform Surveillance Testing of
Intermediate Range Nuclear
Instrumentation Prior to Entering
Mode 2.

NL.LER88038

A Subsidiary of Houston Industries Incorporated

IE22
11

cc:

Regional Administrator, Region IV
Nuclear Regulatory Commission
611 Ryan Plaza Drive, Suite 1000
Arlington, TX 76011

George Dick
U. S. Nuclear Regulatory Commission
Washington, DC 20555

Jack E. Bess
Resident Inspector/Operations
c/o U. S. Nuclear Regulatory Commission
P. O. Box 910
Bay City, TX 77414

Don L. Garrison
Resident Inspector/Construction
c/o U. S. Nuclear Regulatory Commission
P. O. Box 910
Bay City, TX 77414

J. R. Newman, Esquire
Newman & Holtzinger, P.C.
1615 L Street, N.W.
Washington, DC 20036

R. L. Range/R. P. Verret
Central Power & Light Company
P. O. Box 2121
Corpus Christi, TX 78403

R. John Miner (2 copies)
Chief Operating Officer
City of Austin Electric Utility
721 Barton Springs Road
Austin, TX 78704

R. J. Costello/M. T. Hardt
City Public Service Board
P. O. Box 1771
San Antonio, TX 78296

Rufus S. Scott
Associated General Counsel
Houston Lighting & Power Company
P. O. Box 1700
Houston, TX 77001

INPO
Records Center
1100 Circle 75 Parkway
Atlanta, Ga. 30339-3064

Dr. Joseph M. Hendrie
50 Bellport Lane
Bellport, NY 11713