

U.S. NUCLEAR REGULATORY COMMISSION
OFFICE OF INSPECTION AND ENFORCEMENT

Region I

Report No. 50-352/81-03
50-353/81-03
50-352
Docket No. 50-353
CPPR-106
License No. CPPR-107 Priority -- Category A

Licensee: Philadelphia Electric Company
2301 Market Street
Philadelphia, Pennsylvania

Facility Name: Limerick Generating Station

Meeting at: Philadelphia, Pennsylvania

Meeting conducted: January 27, 1981

NRC Personnel: *Leann M. Durr*
J. P. Durr, Senior Resident Inspector

2/11/81
date signed

Approved by: *R. T. Carlson*
R. T. Carlson, Chief, RC&ES Branch

2/11/81
date signed

Meeting Summary

(Unit 1) Management Meeting on January 27, 1981 (Report 50-352/81-03)
Areas Discussed: A management meeting was held at the request of the NRC to discuss the results of the Systematic Assessment of Licensee Performance for Limerick Generating Station. Assessment Period: October 1979 - September 30, 1980

Results: A summary of the performance evaluation was presented. An area of concern was discussed with corporate management. Limerick's overall performance was considered acceptable.

(Unit 11) Management Meeting on January 27, 1981 (Report 50-353/81-03)
Areas Discussed: A management meeting was held at the request of the NRC to discuss the results of the Systematic Assessment of Licensee Performance for Limerick Generating Station. Assessment Period: October 1979 - September 30, 1980.

Results: A summary of the performance evaluation was presented. An area of concern was discussed with corporate management. Limerick's overall performance was considered acceptable.

Region I Form 12
(Rev. April 77)

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Enclosure 1

DETAILS

1. Meeting Attendees

Philadelphia Electric Company

V. S. Boyer, Senior Vice President Nuclear Power
J. J. Clarey, Project Manager, Construction
J. M. Corcoran, Field Quality Assurance Branch Head
G. N. DeCowsky, Assistant Chief Electrical Engineer
J. J. Ferencsik, Supervising Engineer, Nuclear Branch
G. R. Hutt, Supervising Engineer Quality Assurance Office Branch
J. S. Kemper, Vice President, Engineering and Research
E. C. Kistner, Chief Mechanical Engineer
R. H. Logue, Engineer-in-charge, Nuclear and Environmental Section
R. A. Mulford, Project Manager
H. R. Walters, Quality Assurance Manager

Bechtel Power Corporation

E. R. Klossin, Project Quality Assurance Engineer

U. S. Nuclear Regulatory Commission

J. M. Allan, Deputy Director, Region I
R. T. Carlson, Chief, Reactor Construction and Engineering Support Branch
J. P. Durr, Senior Resident Inspector
D. E. Sells, Project Manager, NRR

2. Meeting Scope

On January 27, 1981, a management meeting was held at the request of the NRC at Philadelphia Electric Company's corporate office. The purpose of the meeting was to discuss the results of the NRC's Systematic Assessment of Licensee Performance for the Limerick facility. The period of assessment was October 1979 - September 30, 1980.

3. Areas Discussed

- a. A summary of the Systematic Assessment of Licensee Performance (SALP) program was presented to include the background and objectives of the assessment program.
- b. The results of the SALP for the Limerick Generating Station were discussed in detail. The discussion stressed the singular area of concern, the implementation of subcontractor quality assurance programs. Except for this area, the licensee's performance is considered acceptable.

- c. The licensee responded to the NRC concerns by citing the highlights of his efforts to correct identified deficiencies in this area.
- d. The NRC informed the licensee of the forthcoming reorganization of the Region I Office and responded to licensee questions.

PHILADELPHIA ELECTRIC COMPANY
LIMERICK GENERATING STATION
UNITS 1 AND 2

EVALUATION BOARD MEETING DATA

Facility: Limerick Generating Station, Unit Nos. 1 and 2

Licensee: Philadelphia Electric Company

Unit Identification:

<u>Docket No.</u>	<u>Licensee No./Date of Issuance</u>	<u>Unit No.</u>
50-352	CPPR 106 June 19, 1974	1
50-353	CPPR 107 June 19, 1974	2

Reactor Information:

	<u>Unit 1</u>	<u>Unit 2</u>
NSSS	General Electric	(same)
MWt	3293	(same)

Evaluation Period: October 1, 1979 to September 30, 1980

Evaluation Board Meeting Date: December 8, 1980

Evaluation Board Members:

B. H. Grier, Director, Region I
J. M. Allan, Deputy Director, Region I
E. J. Brunner, Chief, RO&NS Branch, Region I
R. T. Carlson, Chief, RC&ES Branch, Region I
W. G. Martin, Chief, SGDS Branch, Region I
G. H. Smith, Chief, FF&MS Branch, Region I
D. E. Sells, Licensing Project Manager, NRR

Other Attendees:

J. C. Mattia, Chief (Acting), Projects Section, RI
J. P. Durr, Senior Resident Inspector, RI
C. Michelson, Director, AEOD, EDO

PHILADELPHIA ELECTRIC COMPANY
LIMERICK GENERATING STATION
UNITS 1 AND 2

BASIC PERFORMANCE DATA

A. Number and Nature of Noncompliance Items

1. Noncompliance category:	<u>Unit 1</u>	<u>Unit 2</u>
Violations	0	0
Infractions	17	0
Deficiencies	5+(1)	0+(1)

() Applicable to both Units 1 and 2

2. Areas of Noncompliance:

<u>Functional Area</u>	<u>Unit No. 1</u>		<u>Unit No. 2</u>	
	<u>Viol/Inf /Def</u>		<u>Viol/Inf /Def</u>	
1. Quality Assurance	6	2		
3. Concrete	1			
4. Liner	1			
5. Safety Related Structures	1			
6. Piping and Hangers	4	2		
7. Safety Related Components	2			
8. Electrical Equipment	1			
9. Electrical (Tray & Wire)	1			
14. Environmental		1		1
15. Training		1		
Totals	0	17	6	0 0 1

B. Number and Nature of Construction Deficiency Reports

During the reporting period there were nine Construction Deficiency Reports (CDR's) submitted, divided among five functional areas. The nine CDR's are common to both units.

Type of Events:

A.	Personal Error	
B.	Design/Fabrication Error	6
C.	External Cause	
D.	Defective Procedures	
E.	Component Failure	2
F.	Other	<u>1</u>
	Total	9

Causally-Linked Events: No causally linked events identified.

C. Escalated Enforcement Actions

1. Civil Penalties - None
2. Orders - None
3. Immediate Action Letters - None

D. Management Conferences Held During Past Twelve Months

- January 16, 1980, Project Section Chief defined PECO's responsibilities for reporting under 50.55(e).
- May 27, 1980, a meeting was held at the request of the licensee to discuss Construction Deficiency Reporting requirements and organizational changes.
- March 1, 1980, Meeting No. 50-532 and 353/80-06, a routine meeting to discuss PECO organization changes, project status, the inspection program, and NRC Bulletins, Circulars and Information Notices.

(None of the above meetings were considered enforcement related)

E. Licensee Activities

The licensee's latest "per cent complete" estimates indicate that Unit No. 1 is 63.7% and Unit 2 is 28.8. The major work effort is being expended on Unit No. 1 and currently consists mainly of the following activities:

- Installation of the large bore reactor recirculation piping and valves.
- Installation of the CRD hydraulic control units and jet barrier steel.
- Installation of miscellaneous piping and restraints such as main steam, feedwater, RHR and main steam relief.
- Reactor pressure vessel (RPV) nozzle modifications, safe ends and thermal sleeve installation.
- Installation of RPV incore probe housings and jet pumps.
- Installation of electrical cable trays and conduits.
- Installation of the heating, ventilation and air conditioning systems.

F. Inspection Activities

During the evaluation period there were 18 inspections and 2 investigations. Nine of these inspections were resident inspector initiated, seven construction specialists and one environmental. There was one combined resident/specialist team inspection. These inspections covered the following areas: pipe erection and welding, storage and maintenance of equipment, design document control, electrical installations, concrete, quality assurance, reactor pressure vessel internals, fire prevention, nonconformance reporting, environmental, ventilation systems and control rod drives.

G. Justification of Functional Areas Evaluated as Requiring Increased
Inspection Frequency

Quality Assurance - Due to the nature and number of noncompliances against subcontractors, increased inspections of this singular area is planned.

PHILADELPHIA ELECTRIC COMPANY
LIMERICK GENERATING STATION
UNITS 1 AND 2

INSPECTION PROGRAM CHANGES

INSPECTION TIME AND/OR SCOPE
CHANGE FROM PRESCRIBED INSPECTION PROGRAM

<u>FUNCTIONAL AREA</u>	<u>INCREASE</u>	<u>NO CH. NGE</u>	<u>DECREASE</u>
1. Quality Assurance	X		
2. Substructure and Foundations		X	
3. Concrete		X	
4. Liner (Containment and others)		X	
5. Safety-Related Structures		X	
6. Piping and Hangers (Reactor Coolant and others)		X	
7. Safety-Related Components (Vessel, Internals and HVAC)		X	
8. Electrical Equipment		X	
9. Electrical (Tray and Wire)		X	
10. Instrumentation		X	
11. Fire Protection		X	
12. Preservice Inspection		X	
13. Reporting		X	
14. Environmental		X	
15. Training		X	
16. Management		X	

Barrie H. Ansel
Regional Director

Date

12/8/20