

Enclosure 1

SYSTEMATIC ASSESSMENT OF LICENSEE PERFORMANCE  
FOR  
GEORGIA POWER COMPANY

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Region II

UTILITY PERFORMANCE EVALUATION

Utility: Georgia Power Company

Units: Hatch Nuclear Plant 1, 2 (Operations)  
Vogtle Nuclear Plant 1, 2 (Construction)

Appraisal Period: April 1, 1979 - August 31, 1980

Review Board Members:

R. C. Lewis, Acting Chief, RONS Branch  
C. E. Murphy, Chief, RC&ES Branch  
J. C. Bryant, Chief, Projects Section 1  
T. E. Conlon, Chief, Engineering Support Section 1  
M. D. Hunt, Project Inspector  
H. C. Dance, Chief, Reactor Projects Section 1  
C. M. Upright, Acting Chief, Nuclear Support Section 2  
\*S. B. Burwell, Licensing Project Manager, NRR  
\*D. M. Verrelli, Licensing Project Manager, NRR  
C. Julian, Reactor Inspector, RPS No. 1

\*By Telephone

Background

SALP evaluations for each site were generated as prerequisites to the NRC identifying the general performance level of each utility with an NRC license. These evaluations are forwarded to an interoffice review board formed of senior members from all Offices of the NRC involved in licensed activities. The board will, by virtue of receiving all SALP evaluations, form a national perspective of licensee performance. Additionally, the evaluations will provide a means for highlighting areas of NRC programs that may require changes or redirection.

In developing the site evaluations it was determined that an overall evaluation of the utility's performance in its nuclear activities was desirable. Additional enclosures document the individual site evaluations.

The utility and site evaluations were presented in a meeting with senior corporate management in order to provide the decision makers of each utility with the NRC's evaluation of its overall performance in nuclear activities.

A. Areas of Good Performance

GPC is generally responsive to NRC regulations and to findings of noncompliance. GPC management has been open and factual in meeting reporting requirements and keeping the NRC informed. A definite improvement has been noted in the past year on shift formality and in operational compliance. The security system has been improved with the implementation of the card reader system. The training program setup at Vogtle is of worth with respect to training site personnel in their safety related functions.

B. Areas Where Improved Performance is Warranted

GPC has been lax in assuring that commitment dates of corrective action are being met. Some improvement has been noted since management attention has been directed on this subject. Compliance with health physic procedures and contamination control needs to be improved on a daily basis. Several events in the past year reflected adversely on operational compliance.

C. Overall Evaluation

GPC is responsive to NRC requirements, findings of noncompliance, and information requests from the NRC. Management attention has been directed to improving their performance across the board. GPC performance is evaluated to be average for Region II.

ENCLOSURE 2

SYSTEMATIC ASSESSMENT OF LICENSEE PERFORMANCE

FOR

HATCH NUCLEAR PLANT UNITS 1 AND 2

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Region II

LICENSEE PERFORMANCE EVALUATION (OPERATIONS)

Facility: Hatch Nuclear Plant

Licensee: Georgia Power Company

Unit Identification:

<u>Docket No.</u>	<u>License No./Date of Issuance</u>		<u>Unit No.</u>
50-321	DPR-57	08/06/74	1
50-366	NPF-5	06/13/78	2

Reactor Information

Unit 1

Unit 2

NSSS

General Electric

General Electric

MWT

2436

2436

Appraisal Period: April 1, 1979 through March 31, 1980. These dates were used to provide a comparable basis for all operating reactors in Region II. Significant events or enforcement items occurring after these dates were considered in arriving at the indicated conclusions.

Appraisal Completion Date: August 4, 1980

Review Board Members:

R. C. Lewis, Acting Chief, RONS Branch  
 C. M. Upright, Acting Chief, Nuclear Support Section #2  
 H. C. Dance, Chief, RPS No. 1  
 C. Julian, Reactor Inspector, RPS No. 1  
 P. A. Taylor, Reactor Inspector, RPS No. 1  
 R. F. Rogers, Senior Resident Inspector (contacted by telephone)  
 D. M. Verrelli, Licensing Project Manager (contacted by telephone)

A. Number and Nature of Noncompliance Items

<u>Noncompliance Category:</u>	<u>Unit 1</u>	<u>Unit 2</u>
Violations	0	0
Infractions	20	21
Deficiencies	11	14
	31	35

<u>Areas of Noncompliance</u> (List areas as required)	<u>Unit 1</u> (Points)	<u>Unit 2</u> (Points)
Part 21	10	10
Security	68	68
Radiation Protection	34	24
Administrative	80	116
Quality Assurance	30	20
Total Points	222	238

The board considered the Noncompliance Items during this audit period in light of past audit results at Hatch and concluded that there are no adverse trends with respect to noncompliance. The general conclusion is that Hatch has been responsive to NRC regulations and findings of noncompliance.

B. Number and Nature of Deficiency Reports

<u>Type of Event:</u>	<u>Unit 1</u>	<u>Unit 2</u>
Component Failure	28	66
Personnel Error	25	24
Defective Procedures	7	5
Design/Installation	27	21
Other	11	20
Total	98	136

Licensee Event Reports Reviewed

Unit 1: 79-021/03L to 80-027/03L

Unit 2: 79-029/03L to 80-029/01T

The board noted that the number of LER's submitted from Hatch is higher than most comparable facilities. This appears to be due to Hatch's conservative reporting practices and due to the fact that Unit 2 has a standard technical specification (STS) which Unit 1 does not. The latter condition appears to be the reason for the larger number of LERs on Unit 2.

C. Escalated Enforcement Actions

Civil Penalties

None

Orders

None

### Immediate Action Letters

An IAL dated June 28, 1979, and a Confirmation of Action Letter dated July 5, 1979, were issued to the Hatch 1 and 2 facility concerning the corrective action to be taken for the High Pressure Coolant Injection and Reactor Core Isolation Cooling (RCIC) failures on June 27, 1979. [redacted] as completed the commitments required to date.

A Confirmation of Action letter was issued on January 18, 1980, concerning actions to be taken by the licensee to resolve maintenance problems with doors which control access to vital areas.

### D. Management Conferences Held During Past Twelve Months

1. A enforcement meeting was held in the Region II Office on January 25, 1980, with Georgia Power Company management. Recent inspection findings in areas of security were discussed. The licensee explained control systems to be implemented to alleviate security problems.
2. A management meeting was held in Region II Office on March 19, 1980, at the request of Georgia Power Company officials. The topics discussed were as follows:

Modifications being made to preclude low level radioactive water releases to the ground as described in Licensee Event Report number 50-321/79-21. The modifications are estimated to be completed before June 1980.

Training programs completed for those operators not complying with Technical Specifications as they relate to the operation of the High Pressure Coolant Injection (HPCI) and Reactor Core Isolation Cooling (RCIC) systems. The above corrective actions are in response to an item of noncompliance identified in NRC Inspection Report 50-321/80-04 and 50-366/80-04.

Recently amended NRC Regulations which require the immediate reporting by telephone of significant events.

### E. Justification of Evaluation of Functional Areas Categorized as Requiring an Increase in Inspection Frequency/Scope (See Evaluation Sheets)

The listed functional areas were reviewed with regional specialists and the resident inspectors. It is believed that recent enforcement actions have brought about improvements in licensee's operations and it appears that no chronic problems exist within the functional areas. The continuation of the routine inspection program is recommended.

F. Comparison of Unit 1 With Unit 2

A comparison of Unit 1 with Unit 2, both in operation, indicates no appreciable difference exists between the units.

G. Overall Evaluation

The performance of licensed activities is average as compared to other Region II facilities. No increase in inspection frequency or scope is required at this time. Good communications exist between the licensee, NRR project manager and the Region II office.

Appendix A - Functional Areas

Appendix B - Action Plan - (Internal Use Only)



# APPENDIX A

2-A-1

## FUNCTIONAL AREAS (Operations)

FUNCTIONAL AREA	Inspection Frequency and/or Scope		
	Increase	No Change	Decrease
1. Management Control		X	
2. Plant Operations		X	
3. Refueling Operations and Activities		X	
4. Maintenance		X	
5. Surveillance and Preoperational Testing		X	
6. Training		X	
7. Radiation Protection		X	
8. Environmental Protection		X	
9. Emergency Planning		X	
10. Fire Protection		X	
11. Security and Safeguards		X	
12. Design Changes and Modifications		X	
13. Reporting		X	
14. QA Audits		X	
15. Committee Activities		X	
16. Quality Control		X	
17. Procurement		X	

*P.C. Lewis*  
(BRANCH CHIEF)

1/8/81  
(DATE)

APPENDIX B

2-B-1

Region II

ACTION PLAN

Facility - Hatch Nuclear Plant

Appraisal Date: August 4,, 1980

1. Escalated Enforcement Action

No escalated Enforcement Action is warranted at this time. The licensee appears to be responsive to concerns expressed by the NRC and their programs for correction of identified items appears to be effective.

2. Inspection Program Changes

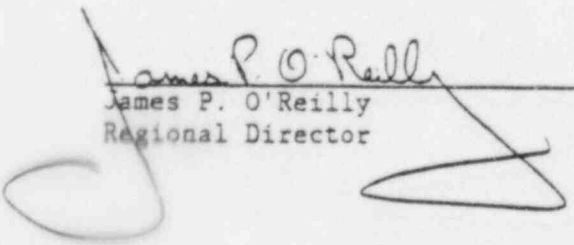
As a result of this audit, no areas were identified as requiring increased inspection frequency. The routine resident and region based program will continue at Hatch.

3. Management Meetings Planned

A management meeting was held to discuss this appraisal with the licensee in October. No additional meetings outside those required by the routine inspection program are planned.

4. Status of Action From Previous Appraisals

Past regional appraisals have been reviewed to determine the status of actions recommended. All previously recommended actions have been completed.

  
James P. O'Reilly  
Regional Director

ENCLOSURE 3

SYSTEMATIC ASSESSMENT OF LICENSEE PERFORMANCE

FOR

VOGTLE NUCLEAR PLANT UNITS 1 AND 2

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Region II

## Licensee Performance Evaluation (Construction)

Facility: Vogtle Nuclear Plant

Licensee: Georgia Power Company

## Unit Identification:

<u>Docket No.</u>	<u>License No./Date of Issuance</u>	<u>Unit No.</u>
50-424	CPPR-108/6-28-74	1
50-425	CPPR-109/6-28-74	2

<u>Reactor Information</u>	<u>Unit 1</u>	<u>Unit 2</u>
NSSS	Westinghouse	Westinghouse
MWT	3411 (Rated)	3411 (Rated)

Appraisal Period: May 1, 1979 through August 31, 1980

Appraisal Completion Date: September 26, 1980

Review Board Members:

C. E. Murphy, Chief, RC&ES Branch  
 J. C. Bryant, Chief, Projects Section #1  
 T. E. Conlon, Chief, Engineering Support Section #1  
 M. D. Hunt, Project Inspector  
 S. B. Burwell, Licensing Project Manager (By Telephone)

A. Number and Nature of Noncompliance Items

<u>Noncompliance Category:</u>	<u>Unit 1</u>	<u>Unit 2</u>
Violations	0	0
Infractions	8	7
Deficiencies	2	2
	10	9

Areas of Noncompliance	Unit 1 (Points)	Unit 2 (Points)
Concrete Placement	30	20
Backfill Control	32	32
Reporting of CDR	10	10
Weld Rod Storage	10	10
Receipt Inspection	<u>2</u>	<u>2</u>
TOTAL POINTS	84	74

The board in its deliberation of Noncompliance Items considered that the number of noncompliances did not indicate a trend that would be indicative of a breakdown in the licensee's QA program. The licensee's responses to the noncompliances have been found to be adequate and timely.

B. Number and Nature of Deficiency Reports

Type of Events	Unit 1	Unit 2
Part 21	3	3
Backfill Erosion		1
Void in Concrete	1	<u>4</u>
Cooling Tower Rebar Collapse	<u>1</u> / <u>5</u>	

The licensee has exercised care in evaluating CDR's and reports have been acceptable.

C. Escalated Enforcement Actions

None.

D. Management Conferences Held During Past Twelve Months

Region II requested a meeting for May 22, 1979 to discuss enforcement history, onsite QA/QC authority and differences between the licensee's AE specifications, the PSAR and construction site procedures. No specific issues regarding Vogtle were outstanding.

E. Justification of Evaluation of Functional Areas Categorized as Requiring an Increase in Inspection Frequency/Scope (See Evaluation Sheets)

Construction activities have increased to the point that within the next twelve months windows of opportunities should open for mechanical and welding inspections to begin. In addition, review of electrical construction procedures should start within 6 months. No increase in inspections beyond the normal programmatic inspections is deemed necessary.

F. Comparison Of Unit 1 With Unit 2

A comparison of Unit 1 with Unit 2, both under construction, indicates that no appreciable difference exists between the units. Findings during this period were programmatic in nature and therefore applied equally well to both units.

G. Overall Evaluation

The licensee's management shows a healthy attitude toward the applicability of quality assurance requirements for the construction program. They have been aware of and have initialed corrective action for outstanding significant items promptly. Particularly noteworthy is the training school established on the Vogtle site. The applicant has built and staffed a facility to train and qualify personnel within its organization. These trained persons are assigned to safety related tasks to insure that the delegated functions are being properly carried out. The NRR project manager indicated that good communications existed with the licensee and that no problem areas had developed.

Appendix A - Functional Areas

Appendix B - Action Plan - (Internal Use Only)

APPENDIX A

3-A-1

FUNCTIONAL AREAS (Construction)

FUNCTIONAL AREA	Inspection Frequency and/or Scope		
	Increase	No Change	Decrease
1. Quality Assurance, Management & Training		X	
2. Substructure and Foundations		X	
3. Concrete		X	
4. Liner (Containment and Others)		X	
5. Safety-Related Structures		X	
6. Piping & Hangers (Reactor Coolant & 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	

  
(BRANCH CHIEF)

1/8/81  
(DATE)

APPENDIX B

3-B-1

Region II

ACTION PLAN

Facility - Vogtle Nuclear Plant

Appraisal Date: September 26, 1980

1. Escalated Enforcement Action

No escalated Enforcement Action is warranted at this time. The licensee appears to be responsive to concerns expressed by the NRC and their programs for correction of identified items appears to be effective. Close attention will be given to noncompliance trends to insure that adverse trends are corrected rapidly.

2. Inspection Program Changes

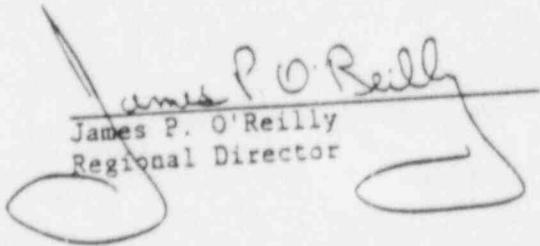
A resident inspector (construction) is to be established on site in 1981. This will result in a marked increased frequency of inspections. The regional inspectors will expand the scope of their routine inspection programs in the areas of mechanical, welding and electrical inspection due the increase in construction activities in these disciplines.

3. Management Meetings Planned

A management meeting was held to discuss this appraisal with the licensee in October. No additional meetings outside those required by the routine inspection program are planned.

4. Status of Action From Previous Appraisals

Past regional appraisals have been reviewed to determine the status of actions recommended. All previously recommended actions have been completed.

  
James P. O'Reilly  
Regional Director