



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

REGION III  
801 WARRENVILLE ROAD  
LISLE, ILLINOIS 60532-4351

September 15, 1998

Mr. Walter G. MacFarland IV  
Senior Vice President  
Clinton Power Station  
Illinois Power Company  
Mail Code V-275  
P. O. Box 678  
Clinton, IL 61727

Dear Mr. MacFarland:

On July 14, 1998, NRC forwarded a revised Restart Action Plan to Illinois Power (IP), which was developed in accordance with NRC Inspection Manual Chapter (MC) 0350, "Staff Guidelines for Restart Approval." The Action Plan included a summary of the major activities that have taken place since July 1997, a listing of the membership of our Site Performance Improvement and Restart Oversight Panel, and a Case Specific Checklist specifying the items that the NRC considers as necessary to be addressed prior to plant restart. Since that time, I have determined that, due to regional workload considerations, a change to our panel membership was necessary to ensure the activities leading to the restart of Clinton Power Station (CPS) receive the appropriate senior regional management attention. Therefore, I have named Marc L. Dapas, Deputy Director, Division of Reactor Projects, as the new Site Improvement and Restart Oversight Panel Chairman.

On May 28, 1998, the results of the latest Plant Performance Review of CPS were forwarded to you. Included in that letter was a listing of the NRC inspection plans leading to plant restart. As requested by you in a September 9, 1998, letter to NRC, the NRC Inspection Procedure 40500 inspection has been delayed until November 2, 1998. In addition, we have included in our inspection plans a review of the System Design Functional Validation effort and followup engineering activities conducted by your staff. The new inspection plan is enclosed. Further, the format for the Case Specific Checklist matrix enclosed with our July 14, 1998, NRC Restart Action Plan has been revised to incorporate information addressing closure status of each item. The matrix is also enclosed and will be updated as necessary.

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In accordance with 10 CFR 2.790 of the NRC's "Rules of Practice," a copy of this letter and its enclosures will be placed in the NRC Public Document Room.

Please contact me if you have any questions concerning this issue.

Sincerely,

Original signed by

James L. Caldwell  
Acting Regional Administrator

Docket No.: 50-461

License No.: NPF-62

Enclosures: As stated

cc w/encls: G. Hunger, Station Manager  
R. Phares, Manager, Nuclear Safety  
and Performance Improvement  
J. Sipek, Director - Licensing  
N. Schloss, Economist  
Office of the Attorney General  
G. Stramback, Regulatory Licensing  
Services Project Manager  
General Electric Company  
Chairman, DeWitt County Board  
State Liaison Officer  
Chairman, Illinois Commerce Commission

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DATE	09/15/98	09/15/98 <i>RA</i>	09/15/98	09/15/98	09/15/98				

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**CLINTON**  
**INSPECTION/ACTIVITY PLAN**

IP - Inspection Procedure

TI - Temporary Instruction

Core Inspection - Minimum NRC Inspection Program (mandatory all plants)

INSPECTION/ ACTIVITY	TITLE/ PROGRAM AREA	NUMBER OF NRC INSPECTORS/ INDIVIDUALS	PLANNED DATES	TYPE OF INSPECTION/ ACTIVITY-COMMENTS
IP 37550	Engineering and Technical Support Inspection (E&TS)	6	9/14-10/02/98 Onsite weeks 9/14 and 9/28	Core inspection; to review calculation and setpoint program, 50.59 safety evaluations, electrical restart open items, circuit breakers.
IP 83750	Radiation Protection	1	9/21-25/98	Regional Initiative
IP 82701	Emergency Preparedness	1	10/05-09/98	Regional Initiative to review emergency response organization capabilities
	Fire Protection/Safe Shutdown Inspection	4	10/12-30/98 Onsite weeks of 10/12 and 10/26	Regional Initiative to verify safe shutdown capabilities
	Safety System Engineering Inspection (SDFV Followup)	5	10/19-11/06 Weeks of 10/19 and 11/02	Regional Initiative to review design verification project

INSPECTION/ ACTIVITY	TITLE/ PROGRAM AREA	NUMBER OF NRC INSPECTORS/ INDIVIDUALS	PLANNED DATES	TYPE OF INSPECTION/ ACTIVITY-COMMENTS
IP 40500	Effectiveness of Licensee Controls in Identifying, Resolving, and Preventing Problems/Onsite Engineering	3	11/02-20/98 Onsite weeks of 11/02 and 11/16	Regional initiative to review response to DFI and new corrective action program
IP 62706	Maintenance Rule Followup	The scope and number of inspectors for this inspection are to be determined.	11/16-20/98	Regional Initiative to review improvement efforts in risk assessment and maintenance rule implementation
IP 82701	Emergency Preparedness	3	11/16-20/98	Regional initiative to review
	Operational Readiness Inspection	5	11/30-12/04/98	Regional initiative to review conduct of operations in the control room; and deferred condition reports, preventative and corrective maintenance items.

## CLINTON RESTART PLAN: CASE-SPECIFIC CHECKLIST MATRIX

ITEM NUMBER	DESCRIPTION	RESTART PLAN REFERENCES	LICENSEE ACTION STATUS	RESPONSIBLE ORGANIZATION/ INSPECTION PLAN	DATE CLOSED/ MECHANISM
I.	Management and Supervision				
I.1	Establish and Implement Management Expectations	Root cause from the NRC Safety Evaluation Team (SET) Report. CPS Plan For Excellence (PFE) Summary Section 2.1.	OPEN	Resident staff	
II.	Conduct of Operations				
II.1	Establish and Implement Continuing Operator Training Emphasizing TS Adherence/Knowledge and Recognition of Degraded Conditions	NRC Inspection Reports 97022, 97025, and 98003. PFE Summary Sections 2.2 and 2.4.	OPEN	Resident staff and DRS Operations Evaluation	
II.2	Establish and Implement an Effective Equipment Clearance Program	NRC Inspection Report 97019.	CLOSED	Resident staff	
II.3	Review and Revise Abnormal Operations Sections of Operations	NRC Letter dated June 9, 1997. "Imposition of Civil Penalty." NRC Inspection Report 98003. PFE Summary Section 2.2.	OPEN	Resident staff and DRS Operations Evaluation	
II.4	Establish and Implement an Effective Risk Assessment Program	NRC Inspection Report 97022. PFE Summary Section 2.2 and 2.4.	OPEN	DRS Maintenance Rule Follow-up	
III.	Corrective Actions				
III.1	Establish and Implement Actions to Achieve and Sustain Improvement in the Corrective Action Program	Demand For Information (DFI) Item 1. SET Report. PFE Summary 2.3.	OPEN	DRS 40500 inspection	



ITEM NUMBER	DESCRIPTION	RESTART PLAN REFERENCES	LICENSEE ACTION STATUS	RESPONSIBLE ORGANIZATION/ INSPECTION PLAN	DATE CLOSED/ MECHANISM
III.2	Establish and Implement Performance Measures To Assess Performance	DFI Item 1. SET Report. PFE Summary 2.3.	CLOSED	Resident Staff	
IV.	Structures, Systems, and Components (SSCs) Operational Readiness				
IV.1	Establish Program to Reduce and Maintain Main Control Room Deficiencies	Confirmatory Action Letter RIII-97-001. NRC Inspection Report 98003. PFE Summary Section 2.4.	OPEN	Resident Staff	
IV.2	Provide Reasonable Assurance that Deficiencies Affecting Safety Related SSCs Have Been Identified and Corrected.	DFI Item 2. PFE Summary Section 2.3.	OPEN	Resident Staff and DRS 40500 Inspection	
IV.3	Resolve Issues Associated With Circuit Breaker Failures	Confirmatory Action Letter RIII-97-009. PFE Summary Section 2.4.	OPEN	DRS AIT Follow-up	
IV.4	Resolve Degraded Voltage and Electrical Distribution Concerns	NRC Inspection Report 97012. PFE Summary Section 2.4.	OPEN	DRS - SSEI	
IV.5	Resolve Fire Protection Safe Shutdown Concerns	SET Report. PFE Summary Section 2.4.	OPEN	DRS - Fire Protection Inspection	
IV.6	Complete Root Cause Analysis of Recirculation Pump Seal Failures and Develop Field Performance Measures	PFE Section 2.4. NRC Inspection Report 97012.	CLOSED	Resident staff	
IV.7	Resolve EDG Concerns	SET Report.	OPEN	Resident staff	
V.	Maintenance				
V.1	Develop Process to Review Deferrals of Preventive Maintenance Items	SET Report. PFE Summary Section 2.4	OPEN	Resident staff	
V.2	Provide Reasonable Assurance that Qualified Materials and Parts are Installed in Plant Systems	LERs 98001 and 98004, NRC Inspection Report 97020.	OPEN	Resident staff	
V.3	Establish Maintenance Rule Program	PFE Summary Section 2.4.	CLOSED	DRS - Maintenance Rule Follow-up Inspection	

ITEM NUMBER	DESCRIPTION	RESTART PLAN REFERENCES	LICENSEE ACTION STATUS	RESPONSIBLE ORGANIZATION/ INSPECTION PLAN	DATE CLOSED/ MECHANISM
VI.	Design and Configuration Control				
VI.1	Provide Reasonable Assurance That Safety Related SSCs Will Perform Their Intended Safety Functions as Described in the Design and Licensing Basis	SET Report. PFE Summary Section 2.4. System Design and Functional Validation (SDFV) Program.	OPEN	DRS - E&TS and SSEI	
VI.2	Validate the Adequacy and Control of Calculations	SET Report. SDFV Program	OPEN	DRS - E&TS and SSEI	
VI.3	Validate the Adequacy and Control of the Setpoint Program	SET Report. SDFV Program	OPEN	DRS - E&TS and SSEI	
VII.	Emergency Preparedness Program				
VII.1	Develop and Implement EP Improvement Initiatives	NRC Inspection Report 98003, 97022	OPEN	Resident staff and DRS -EP Inspection	
VIII.	Licensing Actions				
VIII.1	Develop a List and Schedule for Anticipated Licensing Action Submittals Affecting Plant Restart	General	OPEN	None Required	