

March 3, 2008

Mr. Charles G. Pardee
Chief Nuclear Officer
AmerGen Energy Company, LLC
4300 Winfield Road
Warrenville IL 60555

SUBJECT: ANNUAL ASSESSMENT LETTER - CLINTON POWER STATION
(05000461/2008001)

Dear Mr. Pardee:

On February 13, 2008, the NRC staff completed its performance review of Clinton Power Station. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results for the period from January 1 through December 31, 2007. The purpose of this letter is to inform you of our assessment of your safety performance during this period and our plans for future inspections at your facility.

This performance review and enclosed inspection plan do not include security information. A separate letter designated and marked as "Official Use Only—Security Related Information" will include the Security Cornerstone review and resultant inspection plan.

Overall, Clinton Power Station operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance for the most recent quarter was within the Licensee Response column of the NRC's Action Matrix, based on all inspection findings being classified as having very low safety significance (Green) and all PIs indicating performance at a level requiring no additional NRC oversight (Green). Therefore, we plan to conduct reactor oversight process (ROP) baseline inspections at your facility.

While plant performance for the most recent quarter is within the Licensee Response column of the Action Matrix, there was a safety significant inspection finding affecting the first three quarters of the assessment cycle. Specifically, Clinton Power Station was in the Regulatory Response Column of the NRC's Action Matrix for the first, second, and third quarters of CY 2007 based on one White finding in the Mitigating Systems Cornerstone for failure to adequately address vortexing in the reactor core isolation cooling (RCIC) storage tank and its effect on operability of the high pressure core spray (HPCS) and RCIC system. On June 6, 2007, we were notified by your staff of your readiness for the NRC to conduct a supplemental inspection to review the actions taken to address the White finding in the Mitigating Systems Cornerstone. We completed supplemental inspection procedure 95001 on September 7, 2007. Based on the results of this inspection, no findings of significance were identified.

The enclosed inspection plan details the inspections, including baseline and other infrequently conducted inspections, less those related to security, scheduled through June 30, 2009. The inspection plan is provided to allow for the resolution of any scheduling conflicts and personnel availability issues well in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The inspections scheduled include: triennial fire protection, engineering modifications/50.59, and biennial PI&R inspection. The inspections in the last nine months of the inspection plan are tentative and may be revised at the mid-cycle review.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be made available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

If circumstances arise which cause us to change this inspection plan, we will contact you to discuss the change as soon as possible. Please contact Mark Ring at 630-829-9703 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

Cynthia D. Pederson, Director
Division of Reactor Projects

Docket No. 50-461
License No. NPF-62

Enclosure: Clinton Inspection/Activity Plan

DISTRIBUTION:
See next page

Letter to C. Pardee from C. Pederson dated March 3, 2008

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cc w/encl: Site Vice President - Clinton Power Station
Plant Manager - Clinton Power Station
Regulatory Assurance Manager - Clinton Power Station
Chief Operating Officer and Senior Vice President
Senior Vice President - Midwest Operations
Senior Vice President - Operations Support
Vice President - Licensing and Regulatory Affairs
Director - Licensing and Regulatory Affairs
Manager Licensing - Clinton, Dresden and Quad Cities
Associate General Counsel
Document Control Desk – Licensing
Assistant Attorney General
J. Klinger, State Liaison Officer
Illinois Emergency Management Agency
Chairman, Illinois Commerce Commission
Illinois Emergency Management Agency
Chairman, Illinois Commerce Commission
Clinton Police Department
Mayor of Clinton
Mayor of Weldon
DeWitt County Board Chairman
DeWitt County Sheriff
EMA Coordinator, DeWitt County
Mayor of Wapella
McLean County Board Chairman
McLean County Sheriff
EMA Coordinator, McLean County
Piatt County Board Chairman
Piatt County Sheriff
EMA Coordinator, Piatt County
Macon County Board Chairman
Macon County Sheriff
EMA Coordinator, Macon County
INPO

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ROPreports@nrc.gov (inspection reports, final SDP letters, any letter with an IR number)

Clinton
Inspection / Activity Plan
03/01/2008 - 06/30/2009

Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	End	Inspection Type
BI ENG - TRIENNIAL FIRE PROTECTION INSPECTION		3			
IP 7111105T	Fire Protection [Triennial]		07/07/2008	07/25/2008	Baseline Inspections
BI EP - EP ROUTINE INSPECTION / PI VERIFICATION		1			
IP 7111402	Alert and Notification System Testing		03/17/2008	03/21/2008	EP Baseline Inspection
IP 7111403	Emergency Response Organization Augmentation Testing		03/17/2008	03/21/2008	EP Baseline Inspection
IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		03/17/2008	03/21/2008	EP Baseline Inspection
IP 71151-EP01	Drill/Exercise Performance		03/17/2008	03/21/2008	Baseline Inspections
IP 71151-EP02	ERO Drill Participation		03/17/2008	03/21/2008	Baseline Inspections
IP 71151-EP03	Alert & Notification System		03/17/2008	03/21/2008	Baseline Inspections
BI RP - RADIATION PROTECTION BASELINE INSPECTION		1			
IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		04/07/2008	04/11/2008	Baseline Inspections
2515/171 - TI 2515/171 B5B PHASE 2 AND 3		2			
IP 2515/171	VERIFICATION OF SITE SPECIFIC IMPLEMENTATION OF B.5.B PHASE 2 & 3 MITIGATING STRATEGIES		05/19/2008	05/23/2008	Generic Safety Inspectio
TI 174 - TI 174 - HYDROGEN IGNITER BACKUP POWER		3			
IP 2515/174	(Hydrogen Igniter Backup Power Verification		05/19/2008	05/23/2008	Generic Safety Inspectio
BI RP - RADIATION PROTECTION BASELINE INSPECTION		1			
IP 7112101	Access Control to Radiologically Significant Areas		06/16/2008	06/20/2008	Baseline Inspections
IP 7112102	ALARA Planning and Controls		06/16/2008	06/20/2008	Baseline Inspections
BI ENG - FIRE PROTECTION INFO GATHERING TRIP		3			
IP 7111105T	Fire Protection [Triennial]		06/23/2008	06/27/2008	Baseline Inspections
BI ENG - TRIENNIAL HEAT SINK INSPECTION		2			
IP 7111107B	Heat Sink Performance		07/14/2008	07/18/2008	Baseline Inspections
BI RP - RADIATION PROTECTION BASELINE INSPECTION		1			
IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		10/20/2008	10/24/2008	Baseline Inspections
IP 71151-BI01	Reactor Coolant System Activity		10/20/2008	10/24/2008	Baseline Inspections
IP 71151-OR01	Occupational Exposure Control Effectiveness		10/20/2008	10/24/2008	Baseline Inspections
IP 71151-PR01	RETS/ODCM Radiological Effluent		10/20/2008	10/24/2008	Baseline Inspections
BI RP - RADIATION PROTECTION BASELINE INSPECTION		1			
IP 7112202	Radioactive Material Processing and Transportation		01/05/2009	01/09/2009	Baseline Inspections
BI ENG - ENGINEERING MODIFICATIONS / 50.59 INSP.		3			
IP 7111117B	Evaluations of Changes, Tests, or Experiments & Permanent Plant Modifications		01/26/2009	02/13/2009	Baseline Inspections
BI PI&R - BIENNIAL PI&R INSPECTION		4			
IP 71152B	Identification and Resolution of Problems		03/30/2009	04/17/2009	Baseline Inspections
BI RP - RADIATION PROTECTION BASELINE INSPECTION		1			
IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control Program		06/08/2009	06/12/2009	Baseline Inspections