



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

REGION II  
SAM NUNN ATLANTA FEDERAL CENTER  
61 FORSYTH STREET, SW, SUITE 23T85  
ATLANTA, GEORGIA 30303-8931

September 14, 2007

Carolina Power & Light Company  
ATTN: Mr. R. J. Duncan  
Vice President – Harris Plant  
Shearon Harris Nuclear Power Plant  
P. O. Box 1654, Mail Code: Zone 1  
New Hill, NC 27562-0165

SUBJECT: SHEARON HARRIS NUCLEAR POWER PLANT – NRC PROBLEM  
IDENTIFICATION AND RESOLUTION INSPECTION REPORT NO.  
05000400/2007006

Dear Mr. Duncan:

On August 17, 2007, the US Nuclear Regulatory Commission (NRC) completed an inspection at the Shearon Harris Nuclear Power Plant. The enclosed report documents the inspection results, which were discussed on August 17, 2007, with you and other members of your staff.

The inspection was an examination of activities conducted under your license as they relate to the identification and resolution of problems, and compliance with the Commission's rules and regulations, and with the conditions of your operating license. Within these areas, the inspection involved examination of selected procedures and representative records, observations of plant equipment and activities, and interviews with personnel.

On the basis of the samples selected for review, the inspectors concluded that in general, your corrective action program processes and procedures were effective; thresholds for identifying issues were appropriately low; and problems were properly evaluated and resolved within the problem identification and resolution program (PI&R). A safety conscious work environment was evident. However, the inspectors identified a few examples where corrective actions could have been more thorough.

The inspectors noted two issues involving aspects related to your security program. Specific details are documented in NRC Inspection Report 05000400/2007404.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be available electronically for public inspection in the NRC Public Document

Room or from the Publicly Available Records (PARS) component of the NRC's document system (ADAMS). Adams is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,

*/RA/*

Randall A. Musser, Chief  
Reactor Projects Branch 4  
Division of Reactor Projects

Docket No.: 50-400  
License No.: NPF-63

Enclosure: Inspection Report 05000400/2007006  
w/Attachment: Supplemental Information

cc w/encl: (See page 3)

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Letter to R. J. Duncan from Randall A. Musser dated September 14, 2007

SUBJECT: SHEARON HARRIS NUCLEAR POWER PLANT – NRC PROBLEM  
IDENTIFICATION AND RESOLUTION INSPECTION REPORT

Distribution w/encl:

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**U.S. NUCLEAR REGULATORY COMMISSION**

**REGION II**

Docket Nos: 50-400

License Nos: NPF-63

Report No: 05000400/2007006

Licensee: Carolina Power & Light Company (CP&L)

Facility: Shearon Harris Nuclear Power Plant, Unit 1

Location: 5413 Shearon Harris Road  
New Hill, NC 27652-0165

Dates: July 30 – August 3 and August 13-17, 2007

Inspectors: T. Morrissey, Senior Resident Inspector, Crystal River 3 (Lead Inspector)  
M. Checkle, RII Allegations Coordinator (Week 1)  
K. Davis, RII Security Inspector  
P. O'Bryan, Senior Resident Inspector, Harris  
J. Wallo, RII Senior Security Inspector (Week 2)  
G. Williams, Resident Inspector, Catawba

Approved by: R. Musser, Chief  
Reactor Projects Branch 4  
Division of Reactor Projects

**SUMMARY OF FINDINGS**

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IR 05000400/2007006; 07/30-08/03, 2007; 08/13-17, 2007; Shearon Harris Nuclear Power Plant; Identification and Resolution of Problems.

The inspection was conducted by two Region II (RII) senior resident inspectors, a RII based senior security inspector, a resident inspector, a RII based security inspector and a RII based allegation coordinator. No findings of significance were identified. The NRC's program for overseeing the safe operation of commercial nuclear power reactors is described in NUREG-1649, "Reactor Oversight Process", Revision 4, dated December 2006.

#### Identification and Resolution of Problems

The inspectors determined that in general, problems were properly identified, evaluated, prioritized, and corrected within the licensee's problem identification and resolution inspection. Evaluation of issues was generally comprehensive and technically adequate. Formal root cause evaluations for issues classified as significant conditions adverse to quality were comprehensive and detailed. Overall, corrective actions developed and implemented for issues were effective in correcting problems. However, the inspectors identified a few examples where corrective actions could have been more thorough.

The processes and procedures of the corrective action program (CAP) were generally adequate; thresholds for identifying issues were appropriately low, and in most cases, corrective actions were adequate to address conditions adverse to quality. Nuclear Assessment Section audits and departmental self-assessments were effective in identifying issues and directing attention to areas needing improvement.

Management emphasized the need for staff to identify and resolve issues using the CAP. Based on discussions and interviews with plant employees from various departments, the inspectors did not identify any reluctance to report safety concerns. A safety conscious work environment was evident.

The inspectors noted two issues involving aspects related to the security program. Specific details are documented in NRC inspection report 05000400/2007404.

A. Inspector Identified Findings

None

B. Licensee Identified Findings

None

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## REPORT DETAILS

### 4. OTHER ACTIVITIES (OA)

#### 4OA2 Problem Identification and Resolution

##### a. Effectiveness of Problem Identification

#### .1 Inspection Scope

The inspectors reviewed the licensee's corrective action program (CAP) procedures which described the administrative process for initiating and resolving problems. A nuclear condition report (NCR) is initiated to document problems that are significant conditions adverse to quality (Priority 1), conditions adverse to quality (Priority 2), conditions adverse to quality with low significance (Priority 3), or improvement items (Priority 5). The inspectors selected NCRs for review which involved issues covering the seven cornerstones that reflect the essential safety aspects of facility operation as identified in the NRC's Reactor Oversight Process (ROP). The selected samples were taken from approximately 5900 NCRs that had been initiated by the licensee since July 2005 (coinciding with the last NRC baseline problem identification and resolution inspection (PI&R)) to verify that problems were being properly identified, appropriately characterized, and entered into the CAP. The reviews primarily focused on issues associated with risk significant plant safety systems: emergency diesel generator (EDG), auxiliary feedwater (AFW), 125 volt DC power, emergency service water (ESW), essential services chilled water (ESCW), containment isolation valve (CIV) and reactor coolant and main steam power operated and safety relief valves systems. The inspectors reviewed NCRs, maintenance history, and selected completed work orders (WOs) for the systems and reviewed associated system health reports to verify that equipment deficiencies were being appropriately entered into the CAP. The inspectors conducted plant walkdowns of accessible equipment associated with the above systems to assess the material condition and to look for any deficiencies that had not been entered into the CAP. The inspectors reviewed the main control room (MCR) deficiency list and control room operator logs for the period July 1 through July 31, 2007, to verify that equipment deficiencies were entered into the CAP. The inspectors reviewed corrective actions associated with the findings documented in NRC inspection reports (IRs) issued since the last PI&R inspection. In addition to the system reviews, the inspectors selected a sample of NCRs that had been initiated by the following departments to ensure complete coverage of all cornerstones: operations, health physics, chemistry, maintenance, work controls, engineering, security, and emergency preparedness. The inspectors reviewed selected industry operating experience (OE) items, including NRC generic communications, to verify that OE items were appropriately evaluated for applicability and whether issues identified through these reviews were entered into the CAP. The inspectors reviewed licensee audits and self-assessments (focusing primarily on problem identification and resolution) to verify that findings were entered into the CAP and to verify that these findings were consistent with the NRC's assessment of the licensee's CAP. The inspectors attended several plant daily status, unit evaluator and CAP meetings to observe CAP unit evaluator and

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management oversight functions in the corrective action process. The inspectors also interviewed personnel from operations, maintenance, engineering, security, health physics, chemistry, and emergency preparedness to evaluate their threshold for identifying issues and entering them into the CAP. Documents reviewed are listed in the Attachment.

## .2 Assessment

The inspectors determined that the licensee was generally effective in identifying problems and entering them into the CAP. The threshold for problem evaluation was low based on observed samples, independent walkdowns, staff interviews and the number of items entered into the CAP. NCRs typically provided complete and accurate characterization of the subject issues. Equipment performance issues involving maintenance effectiveness were being identified at an appropriate level and entered into the CAP. Trending was generally effective in monitoring equipment performance. However, the inspectors noted two issues involving aspects related to the security program. Specific details are documented in NRC inspection report 05000400/2007404. The licensee was effective in evaluating internal and external industry operating experience items for applicability and entering issues into the CAP. Department self-assessments and audits performed by the Nuclear Assessment Section (NAS) were effective in identifying issues and entering the deficiencies into the CAP. Site management was actively involved in the CAP and focused attention on significant plant issues.

### b. Prioritization and Evaluation of Issues

#### .1 Inspection Scope

The inspection reviewed the NCRs, including root and apparent cause evaluations, site and departmental trend reports, and observed other activities as discussed in Section 40A2.a to verify that the licensee appropriately prioritized and evaluated problems in accordance with their risk significance. The inspection was intended to verify that the licensee adequately determined the cause of the problems, including root cause analysis where appropriate, and adequately addressed operability, reportability, common cause, generic concerns, extent of condition and extent of cause. The review included the appropriateness of the assigned significance, the timeliness of resolutions, level of effort in the investigation, the scope and depth of the causal analysis. The review was also performed to verify that the licensee appropriately identified corrective actions to prevent recurrence and that those actions had been appropriately prioritized. The inspectors also reviewed a sample of cancelled NCRs to verify they were cancelled for appropriate reasons. The inspectors also attended several plan of the day meetings, CAP unit evaluator meetings, CAP meetings and a Plant Nuclear Safety Committee (PNSC) meeting to determine if plant issues were being properly characterized, prioritized, assigned, and if appropriate management attention was applied to significant plant issues.

.2 Assessment

The inspectors determined that overall the licensee had appropriately assessed and prioritized issues. The priority level and department assignment for each NCR was determined during the CAP unit evaluator meeting. Each NCR was then later reviewed by management during the daily CAP meeting. This review was thorough and adequate consideration was given to system operability and plant risk. In addition, the inspectors, through attendance of one PNSC and review of prior PNSC meeting minutes, concluded that additional quality was added to the licensee's CAP process by the PNSC. The inspectors concluded that evaluation of issues was generally comprehensive and technically adequate. The inspectors did find one example where an NCR that documented a deficient condition was inappropriately cancelled to another NCR that was later rejected. However, all corrective actions were properly completed.

c. Effectiveness of Corrective Actions

.1 Inspection Scope

The inspectors reviewed a sample of NCRs, selected licensee effectiveness reviews, and work orders initiated to resolve NCRs to verify the licensee had identified and implemented timely and appropriate corrective actions to address problems. The inspectors verified that the corrective actions were properly assigned, documented, and tracked to ensure completion. The review was also conducted to verify the adequacy of corrective actions to address equipment deficiencies and maintenance rule (MR) functional failures of risk significant plant safety systems.

.2 Assessment

The inspectors determined that overall, corrective actions were effective in correcting plant problems. The effectiveness of corrective actions was correlated to good material condition of the systems reviewed. The mechanical systems inspected were generally free of water and oil leaks; and external corrosion. The inspectors identified that most corrective actions implemented by the licensee were appropriate for the severity and risk significance of the problem identified. However, the inspectors identified a few examples where corrective actions could have been more thorough.

- Two NCRs (191879 and 211525) were written addressing improper finger plate installation in two diaphragm valves (one containment isolation valve and the other a non-safety equipment drain valve). Since the contractor maintenance personnel who worked these valves were no longer on-site, no other corrective action other than repairing the valves were specified. As a result of inspector questioning, the licensee initiated NCR 242824 documenting additional actions to provide pre-outage training of valve technicians on this issue and to add additional detail to the preventative maintenance (PM) procedure on proper finger plate installation.

- The inspectors identified an example where the licensee developed an interim corrective action that was questionable in regard to its effectiveness. This corrective action was associated with a service water containment isolation check valve that had failed its local leak rate test (LLRT) during refueling outage RFO11 (NCR 146449). The interim corrective action PM to inspect, lubricate and clean the valve each refueling outage was put in place until an engineering change could be developed, approved and implemented. The valve passed its RFO12 LLRT, however, it was noted that the PM was performed prior to the LLRT. Since an as-found LLRT was not performed, the inspectors questioned whether the LLRT would have passed prior to performing the PM. In the subsequent refueling outage (RFO13), the PM was again performed prior to the LLRT, however in this instance, the licensee determined that the as-found LLRT would have not have passed based on the as-found condition of the valve. The long-term engineering change to replace the valve internals has been approved and scheduled for the RFO14 outage.
  - After conducting a Priority 1 root cause investigation and taking corrective actions (NCR 160859) for Operations staff not promptly recognizing and responding to a degraded component in 2005, the Operations staff similarly failed to promptly recognize and respond to degraded equipment on two subsequent occasions in 2007 (NCRs 221803 and 228947). Although Operations did not promptly recognize and respond to the degraded equipment on these occasions, the delay did not result in the equipment being inoperable for greater than the technical specification allowed outage time.
- d. Assessment of Safety-Conscious Work Environment (SCWE)

.1 Inspection Scope

The inspectors conducted interviews with randomly selected members of the plant staff, including operations, maintenance, health physics, engineering, chemistry, and security personnel, to develop a general perspective of the safety-conscious work environment at the site and the willingness of personnel to use the CAP and employee concerns program (ECP). The interviews were also to determine if any conditions existed that would cause employees to be reluctant to raise safety concerns. The inspectors also reviewed the licensee's ECP which provides an alternate method to the CAP for employees to raise concerns and remain anonymous. The inspectors reviewed a select number of ECP reports completed since July 2005 for completeness, file documentation, response to the concerned individuals and response to "recommended actions" by station management, and to verify the investigations conducted were adequate. The inspectors also interviewed the ECP coordinator to gain insight into areas needing additional attention. The inspection included verification that concerns were being properly reviewed and identified deficiencies were being resolved in accordance with procedure REG-NCCC-0001, Employee Concerns Program.

## .2 Assessment

In general, the inspectors determined that the Safety-Conscious Work Environment at the site appeared to be adequate, where people felt free to raise issues without fear of retaliation. The inspectors concluded that employees felt comfortable bringing up issues with management, and were aware of the other venues available for reporting safety concerns, such as the ECP.

The inspectors determined that licensee management emphasized the need for all employees to identify and report problems using the appropriate methods established within the administrative programs, including the CAP, ECP, and Work Order System. These methods were readily accessible to all employees. Licensee management encouraged employees to promptly identify nonconforming conditions. It was noted that the security organization had implemented an excellence plan which emphasized the importance of a safety conscious work environment through staff training and other actions.

Based on discussions conducted with a sample of plant employees from various departments, the inspectors determined that employees felt free to raise issues and felt that management wanted issues placed into the CAP for resolution. Site staff that had used the CAP felt that the program was effective in resolving issues and was a very effective tool in keeping track of issue resolution.

During review of ECP reports, the inspectors determined that the investigations conducted by the ECP were thorough, complete and the recommended corrective actions were appropriately focused to address the actions needed to resolve the individual concerns. It was noted that licensee management generally implemented recommended actions that resulted from ECP investigations and initiated condition reports in the CAP for any condition adverse to quality that had been identified in the file. Some SCWE concerns were noted in the ECP files reviewed but they had been resolved and were not evident in the staff interviews. The inspectors also did not identify any reluctance to report safety concerns.

### 4OA6 Management Meetings

The inspectors presented the inspection results to Mr. R. Duncan, and other members of licensee management at the conclusion of the inspection on August 17, 2007. The inspectors confirmed that proprietary information was not provided or examined during the inspection.

ATTACHMENT: SUPPLEMENTAL INFORMATION

Enclosure

## **SUPPLEMENTAL INFORMATION**

### **KEY POINTS OF CONTACT**

#### Licensee Personnel:

M. Findlay, Superintendent, Security  
D. Alexander, HNP Superintendent, Environmental and Chemical  
D. Corlett, Supervisor – Licensing/Regulatory Programs  
W. Saunders, HNP Superintendent, System Engineering  
S. O'Connor, Manager – Engineering  
C. Burton, Director – Site Operations/Acting General Manager  
C. Kamilaris, Manager – Nuclear Assessment  
L. Morgan, Supervisor - Self Evaluation Unit  
P. Morales, Employee Concerns Program  
K. Rogers, Self Evaluation Unit OE Program  
R. Hill, Self Evaluation Unit CAP  
T. Natale, Manager – Outage and Scheduling  
G. Simmons, Superintendent – Radiation Control  
J. Warner, Operations Manager  
T. Mitchell, Quality Assurance

#### NRC personnel:

R. Musser, Chief, Reactor Projects Branch 4

### **LIST OF DOCUMENTS REVIEWED**

#### **Procedures**

ADM-NGGC-0101	Maintenance Rule Program, Rev. 19
ADM-NGGC-0107	Equipment Reliability Process Guideline, Rev. 7
CAP-NGGC-0200	Corrective Action Program, Rev. 19
CAP-NGGC-0201	Self Assessment and Benchmarking Program, Rev. 11
CAP-NGGC-0202	Operating Experience Program, Rev. 11
CAP-NGGC-0204	Human Performance Program, Rev. 0
CAP-NGGC-0205	Significant Adverse Condition Investigation, Rev. 5
CAP-NGGC-0206	Corrective Action Program Trending and Analysis, Rev.2
REG-NGGC-0001	Employee Concerns Program, Rev. 13
AP-930	Plant Observation Program, Rev. 5
FPP-004	Transient Combustible Control, Rev. 19
OPS-NGGC-1308	Plant Status Control, Rev. 0
OMM-001	Operations – Conduct of Operations, Rev. 70
WCM-005	Work Order Prioritization Process, Rev. 2
SEC-NGGC-2166	Site Access Controls, Rev. 3
AP-002	Plant Conduct of Operations, Site Access Training. Rev. 43
EGR-NGGC-0005	Engineering Change, Rev. 26

#### **Operating Experience Documents**

183867 Westinghouse NSAL 6-01 Incorrect `Pressurizer Volume  
 160621 NRC IN 2005-14, Loss of Seal Cooling in Westinghouse RCPs  
 235541 Westinghouse TB-07-06 Relief Capacity of SG PORVs  
 214964 NRC IN 2006-024 Pressurizer and Main Steam Safety/Relief Valve Lift Set points  
 226354 CR3 Reactivity Management Self Assessment  
 210587 NRC IN 2006-022 New Ultra-low Sulfur Diesel Fuel Oil could Adversely Impact Diesel Engine Performance  
 202883 Part 21 DC Cook EDG's FME from Manufacturer  
 209957 K1 Contactor Failure in EDG at Palo Verde  
 184536 Unexpected Isolation of Unit 1 Letdown (Prairie Island)  
 225046 Non-conservative EDG Calculation for Loading  
 221173 Leaks in EDG Jacket Water Heat Exchangers  
 NUREG -1416, Operational Experience and Maintenance Programs for Transamerica Delaval, Inc Diesel Generators  
 154939 Essential Cooling Water Pump Damage  
 190387 Part 21 Flow Serve Check Valve  
 194029 CCW HT Exchanger SW Outlet Valve Failures  
 202835 NRC IN 2006-17 Service Water OE  
 223014 NRC IN 2006-06 Common Cause Vulnerabilities Essential Service Water

**NCRs Related to NRC Findings**

158247	165629	152362	163435
162600	194627	196258	211012
211188	150114	162600	207186
209999	218902	214414	212169
229491	153904	170184	

**NCRs Related to Focus Systems**

AFW

185045	231724
203119	185884
200342	

**125VDC Electrical Distribution**

233153	192043
217940	236710

**Emergency Diesel Generator**

175679	196458	199999	212491
149912	176839	214268	186213
214329	214732	222749	209755

**Containment Isolation Valves**

195155	198359	211504	211525
146449	197683	18898	97928
190521	194173	194175	196750
219732	218093	119086	191103
216766	224208	231755	

**Pressurizer and Main Steam PORV/Safety Valves**

51122  
140962

**Emergency Service Water**

165629	163797	166150	163469
167886	166766	172385	180100
164858	192803	192310	192655
193569	208135	210385	210970
234097	184061	169831	

**Essential Services Chilled Water**

158621	158303	164607
164924	173729	179935
183389	222730	228947
221803	160859	

**Miscellaneous NCRS**

213861	051122	162675	161800	194268
221084	221074	224561	221442	157565
160150	165959	173468	212169	212669
214414	201670	178281	179287	191576
181958	220238	193110	191881	206462
191941	192939	196776	191879	227685
142335	152491	234097	184061	169831
190942	181033	184579	218902	214414
229491	207186	166098	217147	242735
180276	223798	173637	190989	227518
179475	193185	230302	183913	210860
232356	210404	180186	234495	206709
164179	234504	210336	165489	165492

165493	165734	216815	215943	153904
168741	190357	226365	178491	191239
229214	181292	206352	230305	184577
212371	233380	195201	232817	234498
207186	164906	234506	215934	215935
216119	216269	165251	170184	168105
220240	172725	190809	227406	179301
192357	230021	183892	210397	230373
191235	178887	233990	200284	162766
234501	210120	164912	243044	165168
241178	212169	167825	218543	189455
225826	177413	191158	228202	181070
193916	230303	183914	211432	233379
191640	180611	234496	207059	164753
234505	210352	164914	198736	240418
209999	167470	217150	240995	169896
190530	226652	178883	191707	229491
183888	208432	230310	190173	214084
233540	197613	162658	234500	209999
164911	235910			

**Cancelled/Rejected NCRS**

215517	221084
226693	229243
229816	213763
235508	164426
162675	193720

**Work Orders**

959990	953212	757305
686196	681216	671475
979020	406244	456754
695106	193148	198118
626549	626548	1042615
855602	980305	892682
745819	554342	430803
626840	754135	408310
856568		

665458	683851	686237
711341	823001	836292
968413	995228	1016063
1035731	1067381	



**Drawings**

CAR-2166-G-042501 250VDC, 125V DC & 120 V AC One Line Wire Diagram  
CPL-2165-S-1300 Reactor Coolant System  
CPL-2165-S-0544 Feed Water System  
CPL-2165-S-0545 Condensate and Air Evacuation Systems  
CPL-2165-S-0542 Main Steam System

**Other Documents**

OST-1211, Auxiliary Feedwater Pump 1A-SA Operability Test Quarterly Interval performed March 2007  
OST-1076, Auxiliary Feedwater Pump 1B-SB Operability Test Quarterly Interval performed May 2007  
OST-1411, Auxiliary Feedwater Pump 1AX-SAB Operability Test Quarterly Interval performed April 2007  
HNP Security Backlog and Performance Indicators Report Dated July 18, 2007  
Power Plant Mechanics Level 1 Qualification Checkout Card for Repairing Diaphragm Valves CM-E0001, Station Battery Equalizing Charge, Rev. 15  
MST-E0011, 1E Battery Quarterly Test, Rev. 14  
PM-M0077, Check Valve Inspection Program, Rev. 26  
PM-M0102, ITT Grinnell 3/8 – 6 Inch Diaphragm Valve Nonmetallic Component Replacement, Rev. 0  
Security Event Logs, 2005-2007  
Harris Physical Security Plan, Revision 3  
Vital Area Door History Report, August 7 –August 8, 2007  
Key Security Performance Indicator Data, 2006-2007  
Design Engineering/ Configuration Management Standards, Rev. 11  
NED-C/STRU-1009 Design Report for Guard Post and Support Structures for NRC Security Security Post Orders, Post A5 and A14, dated 11/6/06  
Security Weapons Inventory, dated 7/13/07  
Weapons Semi-Annual Test Fire Records, dated 3/30/06 and 9/22/06  
Weapons Preventive Maintenance and Repair Record, dated 3/30/06  
CM-M0192, Crosby Relief Valve Disassembly, Maintenance, and Reassembly, Rev. 19  
OP-148, Essential Services Chilled Water System, Rev. 38  
AOP-022, Loss of Service Water, Rev. 27  
SP-007, Access Control and Personnel Identification  
PLP-620 Service Water Program (GL 89-13) Rev. 12  
OP-139 Service Water System Rev. 64

**Self Assessments and Trend reports**

Problem Identification and Resolution Preparation 216602  
Harris Radiation Protection Assessment H-RP-06-01  
Harris Environmental and Chemistry Assessment H-EC-06-01

Harris Nuclear Plant Operations Assessment H-OP-07-01  
Harris Nuclear Plant Operations Assessment H-OP-05-01  
Human Performance Corrective Actions Self-Assessment Report 179970  
Harris Engineering Support Section Self-Assessment June 2007  
Chemistry Self Evaluation Rollup and Trend Analysis - 4<sup>th</sup> Quarter 2006  
Operations Self Evaluation Rollup and Trend Analysis - 4<sup>th</sup> Quarter 2006  
Operations Benefits of Self Evaluation Summary – June 2007  
HNP - Site Trend Report Self Evaluation Rollup & Trend Analysis 1<sup>st</sup> Quarter 2007  
Radiation Protection Benefits of Self Evaluation Summary – 1<sup>st</sup> Quarter 2007  
Radiation Protection Benefits of Self Evaluation Summary – June 2007  
Chemistry Benefits of Self Evaluation Summary – June 2007  
Support Services Benefits of Self Evaluation Summary – 2<sup>nd</sup> Quarter 2007  
Nuclear Security CAP Rollup & Trend Analysis – 2<sup>nd</sup> Quarter 2007  
HNP Security Work Order Backlog and Performance Indicator Report July 2007  
Outage & Scheduling Benefits of Self Evaluation Summary, April 2007  
Outage & Scheduling Unit Trend Report, April – June, 2007  
Maintenance Benefits of Self Evaluation Summary, January – March 2007  
Maintenance Benefits of Self Evaluation Summary, June 2007  
H-MA-06-01 Harris Nuclear Plant Maintenance Assessment, August 30

**Plant Nuclear Safety Committee Meeting Minutes**

PNSC Meeting Minutes 05-33  
PNSC Meeting Minutes 05-41  
PNSC Meeting Minutes 06-03  
PNSC Meeting Minutes 06-14  
PNSC Meeting Minutes 06-22  
PNSC Meeting Minutes 07-03

**Operations Logs**

July 1 – July 31, 2007

**System Health Reports**

Auxiliary Feedwater 2<sup>nd</sup> Quarter 2007  
125 VDC Electrical Distribution 2<sup>nd</sup> Quarter 2007  
Containment Isolation Valves System Health Report, January to June 2007  
Emergency Diesel Generator System Health Report, January to June 2007  
Containment Isolation Valves System Health Report, January to June 2007

**Miscellaneous**

Observation Program Database January 2007 – July 31, 2007  
HNP Nuclear Security Excellence Plan 2005/2006, Rev. January, 2006  
PNSC Meeting Agenda July 31, 2007  
Open Corrective Maintenance Work Order Report for Focus Systems July 12, 2007  
Harris Top Ten Equipment List July 16, 2007  
HNP CAP Health Index Report July 13, 2007  
Harris Human Performance WEB Page Including Unit Improvement Plans  
2007 Human Performance Review Board Meeting Summary  
Engineering Change EC 63911, 1A-SA Emergency Service Water Pump Refurbishment