


Catawba 1

1Q/2003 Plant Inspection Findings

Initiating Events

Significance:  Jun 22, 2002

Identified By: NRC

Item Type: NCV NonCited Violation

Failure to Follow Procedures Resulting in Conducting Penetrant Examination on the Wrong Weld

The inspectors identified a non-cited violation for failure to assure that a Penetrant Examination (PT) was performed on the correct weld or component in accordance with requirements of Technical Specification 5.4.1, which requires the use of written procedures; specifically in this case, Procedure NDE-35 and Drawing No. ISI CN-1NV-4488, Chemical & Volume Control System to Reactor Coolant Pump "1A." This finding was of very low safety significance because, although the inspectors identified that the licensee examiners performed the PT on the wrong weld, the PT was subsequently performed on the correct weld and found to be acceptable (Section 1R08).

Inspection Report# : [2002002\(pdf\)](#)

Mitigating Systems

Significance:  Jan 31, 2003

Identified By: NRC

Item Type: NCV NonCited Violation

Failure to Update and Maintain Control of Design Calculations

A non-cited violation of 10 CFR 50, Appendix B, Criterion III, "Design Control," and 10 CFR 50, Appendix B, Criterion V, "Instructions, Procedures, and Drawings," was identified for inadequate control of design calculations. This finding adversely affects the design control attribute of the mitigating systems cornerstone and is greater than minor because there were multiple examples of Type II calculation deficiencies that were significant enough to require revision of several design calculations to ensure the component cooling water system met design criteria. Specific examples of inadequate design calculations included failure to use appropriate and/or current calculation inputs, out of date active design calculations, and the failure to incorporate design changes into the existing design calculations. This finding is of very low safety significance because the resulting design calculation revisions did not show that the component cooling water system was operating outside of its design criteria. (Section 1R21.231 b)

Inspection Report# : [2002008\(pdf\)](#)

Significance:  Jun 22, 2002

Identified By: NRC

Item Type: NCV NonCited Violation

Failure to Perform Testing with Written Procedures

The inspectors identified a failure to perform testing activities with written test procedures. Specifically, testing activities associated with the 1A Component Cooling Water heat exchanger were conducted on June 5, 2002, without

the approval of licensed senior reactor operators, or in accordance with written test procedures. This was dispositioned as a non-cited violation. The failure was of very low safety significance because the heat exchanger was returned to service in a short period of time and redundant components were available. (Section 1R07)
Inspection Report# : [2002002\(pdf\)](#)

Barrier Integrity

Significance:  Jun 22, 2002

Identified By: NRC

Item Type: NCV NonCited Violation

Failure to Enter Ice Condenser Door Test Failures into the Corrective Action Program for Proper Dispositioning

The inspectors identified a Non-Cited Violation against 10 CFR 50, Appendix B, Criterion XVI for the licensee's failure to enter ice condenser lower door test failures into its corrective action program. Specifically, Unit 1 door test failures from the last three refueling outages were not documented in Program Investigation Process reports and thus not evaluated for past-operability impact, causal analyses, performance trending, or possible maintenance rule functional failures. The finding was of very low safety significance because the doors were tested satisfactorily before Unit 1 was returned to an operating mode in which the ice condenser was required to be operable, and because of the likelihood that the failures were caused by maintenance that occurred just prior to the testing while Unit 1 was shutdown. (Section 1R22)

Inspection Report# : [2002002\(pdf\)](#)

Emergency Preparedness

Occupational Radiation Safety

Significance: N/A Mar 29, 2003

Identified By: NRC

Item Type: NCV NonCited Violation

Falsification of Radiological Survey Records

A Severity Level IV violation that was characterized as an NCV of Technical Specification 5.4 and 10 CFR 50.9 was identified for a period of at least January 1 through June 4, 2002. This involved a health physics technician failing to perform required, routine radiation surveys on numerous occasions and deliberately fabricating data on the radiological survey records, which are required to be maintained by 10 CFR 20.2103. Because this issue involved willfulness on the part of a licensee employee and inaccurate information which impacts the regulatory process, it was not subject to the provisions of the Reactor Oversight Process, and was dispositioned in accordance with traditional enforcement. The finding was determined to be greater than minor because it was willful and involved required radiation surveys, some involving high radiation areas, that were not made over an extended period of time. (Section 4OA5.2)

Inspection Report# : [2003002\(pdf\)](#)

Public Radiation Safety

Physical Protection

Significance:  Dec 20, 2002

Identified By: NRC

Item Type: NCV NonCited Violation

Failure to comply with Interim Compensatory Measure B.4.f

A non-cited violation of Provision III.A of the February 25, 2002, Order for Interim Safeguards and Security Compensatory Measures for Catawba was identified. The finding was more than minor because it was associated with the "Response to Contingency Events" attribute and affected the objective of the Physical Protection Cornerstone to provide adequate assurance that the physical protection system can protect against the design basis threat of radiological sabotage. It was determined to be of very low safety significance in that it involved a failure to meet regulatory requirements and represented a vulnerability in safeguards systems or plan; however, there have not been greater than two similar findings in the previous four quarters. (Section V.F

Inspection Report# : [2002009\(pdf\)](#)

Miscellaneous

Significance: N/A Aug 23, 2002

Identified By: NRC

Item Type: FIN Finding

Problem Identification and Resolution Inspection

There were no findings of significance identified during this inspection. The inspection concluded that problems were properly identified, evaluated, and resolved within the problem identification and resolution programs (PI&R). However, during the inspection, several isolated examples were noted of incomplete corrective action implementation and a lack of detail in operability reviews.

Inspection Report# : [2002007\(pdf\)](#)

Last modified : May 30, 2003