U. S. NUCLEAR REGULATORY COMMISSION

REGION III

Reports No. 50-454/84-46(DRSS); 50-455/84-31(DRSS)

Docket Nos. 50-454; 50-455 Licenses No. CPPR-130; CPPR-131

Licensee: Commonwealth Edison Company
Post Office Box 767
Chicago, IL 60690

Facility Name: Byron Nuclear Generating Station, Units 1 and 2

Inspection At: Byron site, Byron, IL

Inspection Conducted: July 11-13, 1984

Inspectors: T. J. Ploski
Team Leader — 7/27/84 Date

G. M. Christoffer — 7/27/84 Date

M. J. Smith — 7/27/84 Date

Approved By: M. P. Phillips, Chief
Emergency Preparedness Section — 7/27/84 Date

Inspection Summary

Inspection on July 11-13, 1984 (Reports No. 50-454/84-46(DRSS); 50-455/84-31(DRSS))
Areas Inspected: Announced, followup inspection of selected Open and Improvement Items identified during the Emergency Preparedness Implementation Appraisal at the Byron Nuclear Generating Station, Units 1 and 2. The inspection involved 50 inspector-hours onsite by three NRC inspectors.
Results: No items of noncompliance or deviations were identified.

DETAILS

1. Persons Contacted

*R.Querio, Station Superintendent
*R. Ward, Assistant Superintendent for Administrative and Support Services
*D. Kozin, Rad Chem Staff
*E. Falb, Shift Overview Supervisor
*K. Weaver, Station Health Physicist
*L. Johnson, Quality Assurance Engineer
*J. LaBonte, Quality Assurance Inspector
*R. Poche, Tech Staff Engineer
W. Burkamper, Quality Assurance Supervisor
W. McNeill, General Training Instructor
R. Calglazuer, Health Physicist
M. Didier, Rad Chem Technician
P. Wicyk, Construction Engineer
J. Harkness, Engineer
J. Weitzel, Health Physics Staff
T. Jacobsen, Rad Chem Supervisor
R. Chrzanowski, Station Security Administrator

*Indicates those present at the July 13, 1984 exit interview.

2. Licensee Actions on Previously Identified Items

a. Open Items

(CLOSED) Items No. 454/83-56-01; 455/83-39-01: Develop and implement an augmentation or staffing procedure to ensure that the Corporate Command Center (CCC) and/or the Emergency Operations Facility (EOF) will be fully staffed in a timely manner, e.g., one hour for the EOF being operational. The inspector reviewed the April 1984 issue of the Generating Stations Emergency Plan (GSEP) Telephone Directory. The directory, which is issued quarterly, has been revised to incorporate a notification call tree for accomplishing EOF and CCC personnel activation during off-hours. In addition, individuals assigned to each director and manager position in the offsite emergency organization have been prioritized for assignment to the various EOFs and the CCC. This item is considered closed.

(OPEN) Items No. 454/83-56-02; 455/83-30-02: Update Procedure BZP 600-A1 to incorporate current emergency response assignments such that those closest to the station are notified first; and provide a copy of the completed and revised procedure to all personnel responsible for implementing it such that a copy of this procedure will be available near the caller's home telephone. The inspector reviewed Revision 1 to Procedure BZP 600-A1 and determined that it had been revised to list the estimated driving times for persons assigned to the onsite emergency organization. The Station's GSEP Coordinator has been assigned responsibility for keeping information contained in this procedure current. The inspector determined that the procedure had not yet been distributed to all Call Supervisors who would participate in its

implementation. This item remains open pending distribution of the current revision to BZP 600-A1 to all persons responsible for implementing its call lists.

(OPEN) Items No. 454/83-56-03; 455/83-39-03: Complete the Technical Support Center (TSC) by making the emergency ventilation system and its associated radiation monitoring system operable and include a copy of the Final Safety Analysis Report (FSAR) and Technical Specifications in the TSC working area. The inspector toured the TSC and found a copy of the FSAR and a Proof and Review copy of the Technical Specifications within this facility. The inspector discussed the completion status of the TSC's emergency ventilation system and associated Continuous Air Monitor (CAM) with cognizant licensee personnel. The inspector also examined the emergency ventilation system. Pre-operational testing of the ventilation system, without filter elements installed, has been completed; however, leak rate testing with filters installed was currently estimated to be completed by August 15, 1984. Filter elements were not installed at the time the system was examined by the inspector. While the CAM has been installed, electrical wiring and calibration activities were not estimated to be completed before August 3, 1984. This item remains open pending the TSC's emergency ventilation system and CAM achieving fully operational status.

(CLOSED) Items No. 454/83-56-07; 455/83-39-07: Complete construction, installation, and stocking of equipment, supplies, and instrumentation in the medical treatment and decontamination facility. The inspectors toured the facility with the Station Health Physicist. Construction of the facility has been completed. The facility was stocked with medical, decontamination, and other health physics supplies in accordance with the inventory checklists in BZP 500-T2 through T5. As indicated in the initial inventory records dated July 11, 1984, the facility had not yet been equipped with a telephone. However, a work order for telephone installation is outstanding. In the interim, operable telephones were available in the Rad/Chem Foreman's office which was adjacent to the medical and decontamination facility. This item is considered closed.

(CLOSED) Items No. 454/83-56-10; 455/83-39-10: Complete installation of respiratory protection equipment, such as the Self Contained Breathing Apparati (SCBAs) in the Control Room, TSC, OSC, outside of Unit 1 and 2 containments, at the remote shutdown panels, and the rad/chem area of the Auxiliary Building. The inspectors toured the power block with a Rad Chem Technician and verified that respiratory protection equipment was in place as indicated in Procedure BRP 1300-A13. The Rad Chem department has been given responsibility for the monthly inventory of the SCBAs. The technician informed the inspectors that the station has been provided with SCBA recharging equipment. This item is considered closed.

(OPEN) Items No. 454/83-56-11; 455/83-39-11: Develop a procedure for the Acting Station Director (Shift Engineer). This procedure must include all responsibilities that the Shift Engineer would perform, such as event classification, appropriate notifications, on-hours

and off-hours augmentation, a streamlined flow chart for protective action decisionmaking, how to fill out the Nuclear Accident Reporting System (NARS) form, guidance on which tasks Rad/Chem Technicians (RCTs) should perform and in what order, and the sounding of the assembly/evacuation alarm for any Site Area or General Emergency. Training of all potential Action Station Directors must be performed after the procedure is issued. The inspector reviewed Revision 0 to Procedure BZP 310-5, Acting Station Director, and discussed the status of training on this procedure with the cognizant training instructor. The procedure addressed event classification, notifications, off-hours augmentation, protective action decisionmaking, use of the NARS form, estimating offsite dose, and assembly/accountability/evacuation of personnel for Site Area and General Emergencies. The procedure prioritized these tasks, as appropriate for each emergency class, and referenced the user to the relevant procedures for detailed instructions for completing these tasks. The procedure also contained telephone number information for various onsite personnel duty locations and local offsite support organizations. The procedure did not, however, contain or reference guidance on prioritizing RCT tasks for various emergency scenarios. The licensee indicated that RCT task prioritization would be adequately determined during discussions between the Shift Engineer and on-shift Rad Chem supervision. The training instructor produced documentation that Shift Engineers and other licensed operators had completed training on BZP 310-5 and referenced implementing procedures during the period of May 17 through June 20, 1984 as part of the annual emergency preparedness training given these individuals. The inspectors were not, however, able to complete walkthroughs with a percentage of licensed personnel who had completed this training to ascertain their proficiency with BZP 310-5 and referenced procedures. This item remains open pending successful completion of such walkthroughs.

(OPEN) Items No. 454/83-56-14; 455/83-39-14: Develop and implement communication check procedures. The inspector reviewed Procedure BZP 500-1 and associated checklist BZP 500-T1. Complete monthly communications equipment checks utilizing these documents were first attempted during the week of July 9, 1984. Following this attempt, the licensee recognized the need to make minor improvements to the surveillance procedure and/or checklist. This item remains open pending completion of these revisions and related training of personnel who would perform communications equipment surveillances.

b. Improvement Items

The inspectors reviewed the licensee's actions on the following items summarized in Appendix B to the Emergency Preparedness Implementation Appraisal (EPIA) (Reports No. 50-454/83-56 and 50-455/83-39): 1, 2, 3, 4, 5, 6, 8, 12, 13, 15, 16, 19, 20, 37, 38, 40, and 49. The inspectors determined that adequate measures had

been completed on all items with the exception of item 8. Regarding this item, posting of onsite evacuation route signs was estimated to be about 75 percent complete by the licensee.

3. Exit Interview

On July 13, 1984, the inspectors met with licensee representatives denoted in Paragraph 1 to present the preliminary findings regarding those Emergency Preparedness Implementation Appraisal Items examined.