U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Report Nos. 50-254/91008(DRSS); 50-265/91005(DRSS)

Docket Nos. 50-254; 50-265 License Nos. DPR-29; DPR-30

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

Facility Name: Quad Cities Nuclear Power Station, Units 1 and 2

Inspection At: Quad Cities Site, Cordova, Illinois

Inspection Conducted: February 7-8, 1991

A B Januska

Inspector: A. G. Januska 3/7/91
Date

M C Schumacher

Approved By: M. C. Schumacher, Chief 3/7/91
Radiological Controls and Date
Chemistry Section

Inspection Summary

Inspection on February 7-8, 1991 (Report Nos. 50-254/91008(DRSS); 50-265/91005(DRSS))
Areas Inspected: Routine unannounced inspection of the licensee's solid radioactive waste and transportation program (IP 86750) including audits and appraisals, changes, training and qualifications, and implementation of the radwaste program.
Results: The licensee's program appears to be run effectively.

DETAILS

1. Persons contacted

*T. Barber, Regulatory Assurance
J. Forrest, Radwaste Coordinator
D. Jessen, Engineering Assistant
*G. Powell, Lead Health Physicist
*R. Robey, Technical Superintendent

*R. Bocanegra, NRC Resident Inspector

* Denotes those present at exit interview on February 8, 1991

2. General

This inspection was conducted to review the licensee's solid radioactive waste and transportation programs including compliance with 10 CFR 20 and 10 CFR 61 requirements. The inspection included tours of the onsite radwaste facilities, observation of work in progress, review of representative records, and discussions with licensee personnel.

3. Audits and Appraisals (IP 86750)

The inspector reviewed reports of audits, surveillances and field monitoring reports for solid radwaste and transportation for 1990. The audits appear to be thorough, technically sound and performance based. The responses are timely and appropriate.

No violations or deviations were identified.

4. Changes (IP 86750)

There have been no major changes in organization, personnel, facilities, or equipment since the last solid radwaste inspection. The Radwaste Coordinator (RC) is in charge of the radwaste program and works in conjunction with an Engineering Assistant (EA) in radiation protection. The EA prepares the paperwork package and the RC coordinates the shipments and assures that the shipments are properly packaged. The RC and the EA were very knowledgeable of their individual aspects of the program and appear to interface well with one another.

No violations or deviations were identified.

5. Training and Qualifications (IP 86750)

The inspector examined training provided to personnel involved in radwaste (Station Laborers, Radwaste Operators, Fuel Handlers and Radiation Protection). The training is provided biennially in conjunction with radiation protection retraining. The course which covers all aspects of radwaste handling, packaging and shipping has good content. No test is required. The inspector saw evidence that training is also provided to management and discussed this training with a radiation protection representative.

No violations or deviations were identified.

6. Implementation of the Solid Radioactive Waste Program (IP 86750)

The inspector examined implementation of the licensee's program including: review of shipment records, scaling factors determination, check on the licensee's WASTRACK program, discussion with involved personnel and tours of the licensee's onsite storage facilities.

Shipment records examined were complete and contained all the required information. Scaling factors used are current and are reestablished annually (based on vendor analyses of waste stream samples) for frequently shipped media. Previous and current scaling factors examined were representative of the various radwaste handled. The inspector supplied simulated data to the the licensee as a test. The EA who normally prepares the shipment packages processed the data as though real and obtained the correct values. The quantity of radwaste buried in 1990 was approximately the same as in 1989. In addition 1728 cubic feet, which could have been buried, was not for various reasons and is being stored at the station.

The inspector toured the licensee's onsite radwaste storage facility which is currently used to store drummed slightly contaminated oily rags and oil sludge prior to processing and disposal, condensate demineralizer filters prior to disposal and contaminated equipment and lead blankets for reuse. The facility is about 40% full but by about the middle of May the licensee expects to have disposed of the condensate demineralizers and the oily rags at which time the used volume will be reduced to approximately 20%. No waste has been stored in the facility in excess of five years. A new Intermediate Radwaste Storage Facility (IRSF) for processed waste has been built but not turned over to the site.

No violations or deviations were identified.

7 Exit Interview

The scope and findings of the inspection were discussed with licensee representatives (Section 1) at the conclusion of the inspection on February 8. 1991. Licensee representatives did not identify any documents or processes reviewed during the inspection as proprietary.

NRC FORM 760
(5-88)
NRR MC 0535

U.S. NUCLEAR REGULATORY COMMISSION

INSPECTOR'S REPORT

Office of Nuclear Reactor Regulation

PRINCIPAL INSPECTOR (Name, last, first, and middle initial)

REVIEWER: SCHUMACHER

INSPECTORS: JANISKA

LICENSEE/VENDOR	TRANSACTION TYPE	DOCKET NO. (8 digits) OR LICENSE NO. (BY PRODUCT) (13 digits)	REPORT NO	REPORT SEQ	NEXT INSPEC. DATE MO	NEXT INSPEC. DATE YR
QUAD CITIES	X 1 – INSERT	0500025 4	9400 8	A		
	M – MODIFY	0500026 5	9400 4	B		
	D – DELETE			C		
	R – REPLACE			D		
	1	2 14	15 18			

PERIOD OF INVESTIGATION/INSPECTION FROM MO	DAY	YR	TO MO	DAY	YR	INSPECTION PERFORMED BY	ORGANIZATION CODE OF REGION/HQ CONDUCTING ACTIVITY (See IEMC 0530 Manpower Reporting – Weekly Manpower Reporting for code.) REGION	DIVISION	BRANCH
02	07	91	02	08	91	X 1 – REGIONAL OFFICE STAFF; 2 – RESIDENT INSPECTOR; 3 – PERFORMANCE APPRAISAL TEAM; OTHER	3	4	1
20	25		26	31		32	33	34	35

REGIONAL ACTION (Check one box only)	TYPE OF ACTIVITY CONDUCTED (Check one box only)			
1 – NRC FORM 591	X 02 – SAFETY	06 – MGMT VISIT	10 – PLANT SEC	14 – INQUIRY
X 2 – REGIONAL OFFICE LETTER	03 – INCIDENT	07 – SPECIAL	11 – INVENT VER	15 – INVESTIGATION
	04 – ENFORCEMENT	08 – VENDOR	12 – SHIPMENT/EXPORT	
	05 – MGMT AUDIT	09 – MAT ACCT	13 – IMPORT	
36	37 38			

INSPECTION/INVESTIGATION FINDINGS (Check one box only) A	B	C	D	TOTAL NUMBER OF VIOLATIONS AND DEVIATIONS A	B	C	D	ENFORCEMENT CONFERENCE HELD A	B	C	D	REPORT CONTAIN 2.790 INFORMATION A	B	C	D	LETTER OR REPORT TRANSMITTAL DATE: NRC FORM 591 OR REG LETTER ISSUED MO	DAY	YR	REPORT SENT TO HQ FOR ACTION MO	DAY	YR
X 1 – CLEAR																03	08	91			
2 – VIOLATION																					
3 – DEVIATION																					
4 – VIOLATION & DEVIATION				C				1 – YES				1 – YES									
39				40-41				42				43				44		49	50		55

MODULE INFORMATION

REC ORD TYPE	MODULE NUMBER INSP NUMBER	PHASE	MANUAL CHAPTER	PROCEDURE NUMBER	LEVEL	SEQ #	PRIORITY	DIRECT INSPECTION EFFORT IN STAFF HOURS EXPENDED THIS INSPECTION	PERCENTAGE COMPLETED TO DATE	STATUS	MODULE REQ. FOLLOWUP PHASE	MANUAL CHAPTER	PROCEDURE NUMBER	LEVEL
B	1 5 8 6 7 5 0 3					A		10	95					
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