

April 18, 2003

MEMORANDUM TO: Patrick Loudon, Chief
Reactor Projects Branch 5
Division of Reactor Projects
/RA by Thomas Ploski Acting For/

FROM: Sonia Burgess, Acting Chief
Plant Support Branch
Division of Reactor Safety

SUBJECT: PRAIRIE ISLAND NUCLEAR GENERATING PLANT
DRS INPUT TO INTEGRATED REPORT 50-282/03-04;
50-306/03-04

Attached is the report input for the Prairie Island Nuclear Generating Plant, Units 1 and 2, Inspection Report 50-282/03-04; 50-306/03-04. I have reviewed this input and have determined it is ready for distribution to the licensee and dissemination to the public.

After your concurrence, please return this hard copy to me, and we will email the electronic version to you.

Attachment: Input to Inspection Report 50-282/03-04;
50-306/03-04

CONTACT: Mark Mitchell, DRS
(630) 829-9855

DOCUMENT NAME: G:\DRS\ML031110571.wpd

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OFFICE	RIII		RIII		RIII			
NAME	MMitchell:sd		SBurgess		PLoudon			
DATE	04/17/03		04/18/03		04/18/03			

OFFICIAL RECORD COPY

Inspector: Mark Mitchell, Radiation Specialist

Cover Letter

- ☒ No input, no significant findings.
☐ Input below, no color or green findings were identified.

SUMMARY OF FINDINGS

ADAMS boilerplate - Inspectable area: Access Control to Radiologically Significant Areas, Radiological Environmental Monitoring and Radioactive Material Control Programs

Modify second paragraph as follows:

The baseline inspection was conducted by a regional radiation protection inspector.

REPORT DETAILS

2. RADIATION SAFETY

Cornerstone: Occupational Radiation Safety

2OS1 Access Control to Radiologically Significant Areas (71121.01)

.1 Plant Walkdowns and Radiological Boundary Verification

a. Inspection Scope

The inspectors conducted walkdowns of selected radiologically controlled areas within the plant to verify the adequacy of radiological boundaries and postings. Specifically, the inspectors walked down areas that were controlled for a resin sluicing to High Integrity Container (HIC) operation. The inspectors observed personnel performing confirmatory radiation measurements to verify that these areas and selected radiation areas were properly posted and controlled in accordance with 10 CFR Part 20, licensee procedures, and the Technical Specifications.

b. Findings

No findings of significance were identified.

Cornerstone: Public Radiation Safety

2PS3 Radiological Environmental Monitoring and Radioactive Material Control Programs (71122.03)

.1 Review of Environmental Monitoring Reports and Data

a. Inspection Scope

The inspectors reviewed the 2001 Annual Environmental Monitoring Report. Sampling location commitments, monitoring and measurement frequencies, land use census, the vendor laboratory's Interlaboratory Comparison Program, and data analysis were assessed. Anomalous results including data, missed samples, and inoperable or lost equipment were evaluated. The review of the Radiological Environmental Monitoring Program (REMP) was conducted to verify that the REMP was implemented as required by the Radiological Environmental Technical Specifications/Offsite Dose Calculation Manual (RETS/ODCM), and associated Technical Specifications, and that changes, if any, did not affect the licensee's ability to monitor the impacts of radioactive effluent releases on the environment. The most recent quality assessment of the licensee's REMP vendor was reviewed to verify that the vendor laboratory performance was consistent with licensee and NRC requirements.

b. Findings

No findings of significance were identified.

.2 Walkdowns of Radiological Environmental Monitoring Stations and Meteorological Tower

a. Inspection Scope

The inspectors conducted a walkdown of selected environmental air, water and milk sampling stations and thermoluminescent dosimeters locations to verify that the locations were consistent with their descriptions in the RETS/ODCM and to evaluate the equipment material condition and operability. The inspectors also conducted a walkdown of the primary meteorological monitoring site to validate that sensors were adequately positioned and operable. The inspectors reviewed the 2001 Annual Environmental Monitoring Report to evaluate the onsite meteorological monitoring program's data recovery rates, routine calibration and maintenance activities, and non-scheduled maintenance activities. The review was conducted to verify that the meteorological instrumentation was operable and was calibrated and maintained in accordance with licensee procedures. The inspectors also reviewed indications of wind speed, wind direction, and atmospheric stability measurements to verify that the indications were available in the Control Room and that the instrument indications were operable.

b. Findings

No findings of significance were identified.

.3 Review of REMP Sample Collection and Analysis

a. Inspection Scope

The inspectors accompanied the licensee REMP technician to observe the collection and preparation of air filters, surface and drinking water samples and milk samples to verify that representative samples were being collected in accordance with procedures and the RETS/ODCM. The inspectors observed the technician perform air sampler field check maintenance to verify that the air samplers were functioning in accordance with procedures. Selected air sampler calibration and maintenance records for 2001 and 2002 were reviewed to verify that the equipment was being maintained as required. The environmental sample collection program was compared with the RETS/ODCM to verify that samples were representative of the licensee's release pathways. Additionally, the inspectors reviewed results of the vendor laboratory's Interlaboratory Comparison Program to verify that the vendor was capable of making adequate radio-chemical measurements.

b. Findings

No findings of significance were identified.

.4 Unrestricted Release of Material From the Radiologically Controlled Area

a. Inspection Scope

The inspectors evaluated the licensee's controls, procedures, and practices for the unrestricted release of material from radiologically controlled areas and conducted reviews to verify that: (1) radiation monitoring instrumentation used to perform surveys for unrestricted release of materials was appropriate; (2) instrument sensitivities were consistent with NRC guidance contained in Inspection and Enforcement (IE) Circular 81-07 and Health Physics Positions in NUREG/CR-5569 for both surface contaminated and volumetrically contaminated materials; (3) criteria for survey and release conformed to NRC requirements; (4) licensee procedures were technically sound and provided clear guidance for survey methodologies; and (5) radiation protection staff adequately implemented station procedures.

b. Findings

No findings of significance were identified.

.5 Identification and Resolution of Problems

a. Inspection Scope

The inspectors reviewed corrective action process documents addressing issues involving the REMP as well as a Generation Quality Services (GQS) audit of the environmental monitoring program and observation reports addressing the REMP to determine if problems were being identified and entered into the corrective action program for timely resolution.

b. Findings

No findings of significance were identified.

4. OTHER ACTIVITIES

4OA6 Meetings

.2 Interim Exit Meetings

- Radiation Protection inspection with Mr. Joe Solymossy, Site Vice President on April 11, 2003

KEY POINTS OF CONTACT

Licensee

J. Solymossy, Site Vice President

A. Johnson, Plant Radiation Protection Manager

P. Wildenborg, Health Physicist

LIST OF DOCUMENTS REVIEWED

2OS1 Access Control to Radiologically Significant Areas

RWP 138; Sluice Resin From Spent Resin Tank to HIC [High Integrity Container]; Revision 0

2PS3 Radiological Environmental Monitoring and Radioactive Material Control Programs

GQS [Generation Quality Services] Observation Report 2001082; REMP/Radioactive Waste and Sealed Sources Self-Assessment; June 27, 2001

GQS 2001088; REMP Program Implementation; July 10, 2001

SA021240; Self-Assessment of Emergency Preparedness; August 8, 2002

CAP024566; REMP Air Sampler P-4 had Approximately 45 Hours Lost Time Week of August 4, 2002; August 8, 2002

CAP026787; REMP Air Sampler P-2 Found with no Flow; November 27, 2002

CAP027688; REMP Air Sampler P-4 Indicated 16 Hours Less Than Expected; January 16, 2003

CAP029623; REMP Shipment Delayed Due to Missing Label; April 10, 2003

AR20017964; REMP Air Sampler at P1 Found Running but no Air Flow; Weekly Sample Missed, November 26, 2001

TP 1676; Meteorological Instruments Calibration; Revision 8

TP 1677; Meteorological Instrumentation Monthly Test; Revision 14

2001 Annual Radiological Environmental Monitoring Report; May 15, 2002

Annual Review of MIDAS Meteorological Data 2002

NUPIC [Nuclear Utilities Procurement Issues Committee] Audit Number 17795; NUPIC Joint Audit of Environmental, Inc. Northbrook, IL; August 13, 2001

RPIP [Radiation Protection Implementing Procedures] 1302; Unconditional Release of Materials; Revision 15

LIST OF ACRONYMS USED

GQS	Generation Quality Services
HIC	High Integrity Container
RETS/ODCM	Radiological Environmental Technical Specifications/Offsite Dose Calculation Manual
REMP	Radiological Environmental Monitoring Program