

APPENDIX A
U.S. NUCLEAR REGULATORY COMMISSION
REGION IV
URANIUM RECOVERY FIELD OFFICE

NRC Inspection Report: 40-8926/89-01
Docket: 40-8926

License: SUA-1492

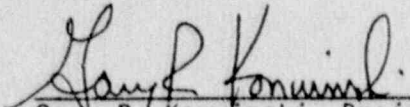
Licensee: State of Wyoming
Department of Environmental Quality
Herschler Building
122 West 25th Street
Cheyenne, Wyoming 82002

Facility: Bison Basin Mine

Inspection At: Red Desert, Wyoming

Inspection Conducted: November 16, 1989

Inspector:


Gary R. Konwinski, Project Manager
Team Leader

11-20-89
Date

Approved:


Ramon E. Hall, Director

11/21/89
Date

Inspection Summary

Inspection Conducted On November 16, 1989 (Report 40-8926/89-01)

Areas Inspected: Announced inspection of site decommissioning and decontamination programs to be implemented at the Bison Basin Mine site. The specific area reviewed included Radioactive Waste Management.

The inspection involved a total of 4 inspector hours onsite by one inspector.

Results: Within the one area inspected, no violations, no deviations, and one open item were identified by the inspector.

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DETAILS1. Persons Contacted

*Mark Moxley, Senior Environmental Specialist, State of Wyoming,
Department of Environmental Quality

*Denotes those present at the exit interview.

2. Licensee Action On Previous Inspection Findings

No violations, deviations or open items were identified during the March 22, 1988 inspection. Therefore, there were no items to review concerning the previous inspection.

3. Radioactive Waste Management

The inspector reviewed the decontamination and decommissioning work that had been done at the site. All structures including the evaporation pond liners had been removed from the site, with the exception of the process building concrete floor. According to the decommissioning plan for the site, the slab will be buried in-place. Gamma surveys of the slab indicated that the slab will meet unrestricted release limits with the exception of the floor drains and the sump. The drains had gamma readings ranging from 40 to 120 $\mu\text{R/hr}$, while the south sump had gamma readings in excess of 400 $\mu\text{R/hr}$. The licensee was informed that this situation represented incomplete decontamination and would be treated as an open item (40-8926/8901-01).

The inspector performed gamma surveys of the well fields and the evaporation ponds. All of these areas exhibited gamma radiation levels at or near background. To verify that adequate decontamination had taken place, seven soil samples were taken to be analyzed for radium-226 concentrations. Due to the laboratory time involved in sample analysis, the results of these tests will be discussed in a subsequent report.

No violations, no deviations, and one open item were identified by the inspector.

4. Exit Interview

The inspector met with the licensee representative as identified under item No. 1. The licensee indicated that the drains and sump would be decontaminated to unrestricted release limits. Additionally, the licensee will supply sufficient documentation of the decontamination for NRC review.

DISTRIBUTION

Docket File No. 40-8926

LFMB

PDR

Suspense File

*URFO r/f

*ABBeach, RIV

GSanborn, RIV

*RSTS Operator

*NMIS

*MIS System

*LYandell

RDMartin

RWise

LShea, RM/ALF (AR_2015)

DMB (IE-07)

LLO Branch, LLWM

*w/736

GKonwinski

RCPD, WY

WDEQ (2)

CONCURRENCE:

GKonwinski/URFO/lv

EHawkins/URFO

REHall/URFO

DATE:

11-20-89

11/21/89