

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

NRC Inspection Report: 40-1341/89-02
Docket: 40-1341

License: SUA-817

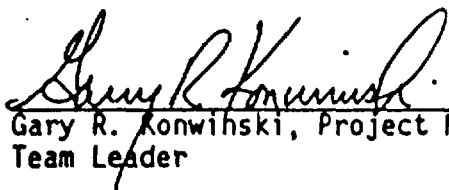
Licensee: Tennessee Valley Authority
5N 157B
Lookout Place
1101 Market Street
Chattanooga, Tennessee 37401-2801

Facility: Edgemont Uranium Mill

Inspection At: Edgemont, South Dakota

Inspection Conducted: September 12, 1989

Inspector:


Gary R. Konwinski, Project Manager
Team Leader

9-15-89
Date

Approved:


Edward F. Hawkins, Branch Chief

9/15/89
Date

Inspection Summary

Inspection Conducted on September 12, 1989 (Report 40-1341/89-02)

Areas Inspected: Unannounced inspection of tailings relocation and reclamation programs to be implemented during the course of the Edgemont Mill Decommissioning Project. The specific area reviewed included Radioactive Waste Management.

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

*Kurt Barker, General Manager, Silver King Mines
 *Dana Ward, Radiation Safety Officer, Silver King Mines
 **Dave Shureman, TVA, Casper, Wyoming
 **Mark Belvin, TVA, Chattanooga, Tennessee

*Denotes those present at the exit interview.

**Denotes those present, via conference call, at the exit interview.

2. Licensee Action On Previous Inspection Findings

No violations or deviations and one open item was identified during the August 7 and 8, 1989 inspection. The open item concerning elevated levels of gamma radiation remains an open item.

3. Radioactive Waste Management

The inspector reviewed the cleanup procedures that had taken place since the previous inspection. It was noted that the area identified in the previous inspection as having elevated levels of gamma radiation had been scraped and cleaned to background levels of gamma radiation. The contaminated topsoil had been stockpiled in two areas for final disposition in the tailings disposal cell. Due to recent heavy rains, a confirmation gamma survey could not be performed. As a result of this, the previous open item of areas having elevated levels of gamma radiation remains an open item (40-1341/8902-01).

According to records maintained by the licensee, intense gamma surveys were conducted in and around the disposal area. These surveys indicate that all areas around the disposal area have been cleaned to background gamma radiation levels. However, the licensee was informed that all areas outside of the former restricted area and effected by the cleanup operations will need to be cleaned to background gamma radiation levels. This may include areas along the haul road from the processing site to the disposal area.

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

5. Exit Interview

The inspector met with the licensee representatives as identified under item No. 1. The inspector informed those individuals in person and by conference call of the inspection findings. Five major points were discussed: (a) All soils removed to reduce gamma readings to background concentrations need to be treated as contaminated materials and disposed of within the confines of the disposal cell under the topsoil layer. (b) Cleanup to background gamma radiation levels will include all areas

outside of the former restricted area that have been contaminated due to relocation of the tailings. (c) The 10 CFR 40, Appendix A, Ra-226 cleanup standard has application within the restricted area boundary representing the former mill site and tailings disposal areas. Two additional points were discussed to expedite release of the processing site for unrestricted use: (a) The licensee should, at their earliest possible convenience, supply survey records and decontamination information to the NRC, sufficient to document the status of the site. (b) Similarly, the previously requested ground-water information should be submitted to the NRC to allow a decision to be made on this issue. Subsequent discussions indicated a willingness on behalf of the licensee to see that the site is appropriately closed.

1341/GRK/89/09/14/INSP

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CONCURRENCE:

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DATE:

9-15-89
9/15/89
9/12/89