



UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION IV
URANIUM RECOVERY FIELD OFFICE
BOX 26326
DENVER, COLORADO 80226

SEP 28 1989

URFO:GRK
Docket No. 40-6659
04006659790E

MEMORANDUM FOR: Docket File No. 40-6659
FROM: Gary R. Konwinski, Project Manager
SUBJECT: REVIEW OF FIRST AND SECOND QUARTERS 1989 ENVIRONMENTAL
MONITORING DATA FOR THE PETROTOMICS MILL

By letter dated August 30, 1989, Petrotomics Mill submitted an environmental monitoring report for the first half of 1989, in compliance with 10 CFR 40.65 and License Condition No. 20 of Source Material License SUA-551. This memorandum presents the URFO staff review of this data with respect to past data and applicable standards.

I. ENVIRONMENTAL MONITORING DATA

Air Particulate Sampling

Samples were collected on a quarterly frequency at an upwind and a downwind location. Sampling and analyses were in accordance with SUA-551, and all required data was provided.

My review of the data indicates that all results were below 10 percent of the MPC for unrestricted areas, as they were for the preceding two quarters. Furthermore, all values are typical of concentrations normally recorded at this site.

Radon Sampling

Continuous radon monitoring was performed at the two air monitoring locations using TLD chips which are exchanged and read quarterly. Sampling and analysis were in accordance with SUA-551.

My review of the data indicates that radon values averaged 45 percent of MPC and had a peak reading of 83 percent of MPC as compared with readings of 153 and 170 percent of MPC, respectively, for the previous quarters.

OF02
11

The previous average values are higher than typical radon values recorded in this area of Wyoming. It appears that the licensee's action of covering the tailings with a soil cap and evaporation ponds has helped to reduce radon levels.

Ground-Water Sampling

Quarterly ground-water samples were collected from five tailings area monitor wells, the mine shop well, the townsite well, the seepage collection well and 11 additional wells installed as part of the ground-water study at the Petrotomics site. All samples were analyzed for pH and conductivity, and two to 40 additional parameters. Sampling and analyses were in accordance with SUA-551.

My review of the data indicates that radionuclide values were similar to those reported in the previous two quarters, and that the values were below 10 percent of the unrestricted area MPC. An exception to this was the uranium values in wells 42SC, 43SC and 44SC. It is recognized that uranium levels are elevated in the vicinity of the tailings impoundment. This situation is being resolved under separate licensing action related to 10 CFR Part 40, Appendix A.

My review of the chemical data indicates that values for all wells were consistent with past data. Those wells which previously showed elevated levels of chemical constituents sustained that condition during this reporting period. This situation was expected because these wells sample known seepage zones which are, in part, being controlled by the seepage collection system.

Surface-Water Sampling

No surface water samples were required during this reporting period.

Vegetation, Soil and Sediment Sampling

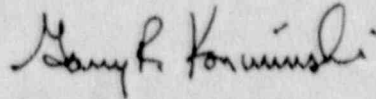
Vegetation, soil and sediment samples are no longer required.

Direct Radiation Measurements

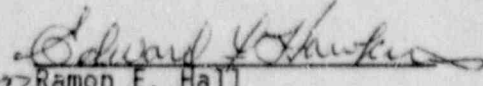
Direct radiation measurements were made at two locations using TLD chips in accordance with SUA-551. My review of the data indicates that the average reading was 53.95 mR/quarter. This value is consistent with previous measurements and typical of other mills in the area.

II. CONCLUSION

My review of the data submitted by Petrotonics indicates that the environmental monitoring has been performed in accordance with License Condition No. 20 of Source Material License SUA-551. No trends in any of the environmental monitoring areas, were identified, and no licensing action is warranted at this time.



Gary R. Konwinski
Project Manager

Approved by: 
for Ramon E. Hall
Director

Cased Closed: 04006659790E

6659/790E/GRK/89/09/26/M

DISTRIBUTION

Docket File 40-6659
PDR/DCS
ABBeach, RIV
GRKonwinski
WDEQ (2)
JHaes, RCPD, WY
LLO Branch, LLWM
URFO r/f

CONCURRENCE:

DATE:

GKonwinski/URFO/db	<u>GRK</u>	<u>9-27-89</u>
EHawkins/URFO	<u>EPH</u>	<u>9/28/89</u>
REHall/URFO	<u>EPH</u>	<u>9/28/89</u>

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

October 12, 1989

United States Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D. C. 20555

Serial No. 89-693
NL/RPC
Docket Nos. 50-280
50-281
License Nos. DPR-32
DPR-37

Gentlemen:

VIRGINIA ELECTRIC AND POWER COMPANY
SURRY POWER STATION UNITS 1 AND 2
PROPOSED TECHNICAL SPECIFICATION CHANGE
CONTROL ROD DROP TIME TEST FREQUENCY

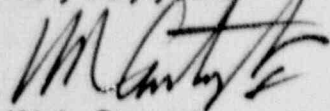
Pursuant to 10 CFR 50.90, Virginia Electric and Power Company requests an amendment, in the form of changes to the Technical Specifications, to Operating License Nos. DPR-32 and DPR-37 for Surry Power Station Units 1 and 2.

The proposed Technical Specification change will replace the portion of the control rod drop time test frequency requirement associated with "the breach of the Reactor Coolant System Integrity." In substitution thereof, the test frequency will be clarified by using conditions similar to those that appear in the Westinghouse Standard Technical Specification.

The proposed change has been reviewed and approved by the Station Nuclear Safety and Operating Committee and the Safety Evaluation and Control Staff. It has been determined that this change does not involve an unreviewed safety question as defined in 10 CFR 50.59 and involves no significant hazards considerations as defined in 10 CFR 50.32.

This request has been evaluated in accordance with the criteria of 10 CFR 170.12.

Very truly yours,



W. L. Stewart
Senior Vice President - Power

Attachments

1. Proposed Technical Specification Changes
2. Discussion and Significant Hazards Consideration Evaluation

Acc 1

cc: U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, N. W.
Suite 2900
Atlanta, Georgia 30323

Mr. W. E. Holland
NRC Senior Resident Inspector
Surry Power Station

Commissioner
Department of Health
Room 400
109 Governor Street
Richmond, Virginia 23219

COMMONWEALTH OF VIRGINIA)
)
COUNTY OF HENRICO)

The foregoing document was acknowledged before me, in and for the County and Commonwealth aforesaid, today by W. R. Cartwright, who is Vice President - Nuclear, for W. L. Stewart, who is Senior Vice President - Power, of Virginia Electric and Power Company. He is duly authorized to execute and file the foregoing document in behalf of that Company, and the statements in the document are true to the best of his knowledge and belief.

Acknowledged before me this 12TH day of October, 1989.

My Commission Expires: February 25, 1990.

Vicki L. Hull
Notary Public

(SEAL)