

40-6659

Petrotomics Company

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April 1, 1994

Branch Chief
Uranium Recovery Branch
Division of Low-Level Waste Management
and Decommissioning, NMSS (5 E2)
U.S. Nuclear Regulatory Commission
11555 Rockville Pike
Rockville, MD 20850

RE: Main Sand Background Evaluation - Source Material License SUA-551

Submitted herewith, in accordance with License Condition 47.E., are five copies of our Main Sand Background Evaluation Report. This report contains data and proposals for establishing background monitor wells, groundwater constituents to be monitored, and concentration limits for identified hazardous constituents residing in the Main Wind River sand.

We propose that our Source Material License be amended to establish wells 10DC, and new wells 14 DC, 15DC, and 16 DC as background monitor wells for the Main Wind River sand at this site, and to establish the following groundwater constituents to be monitored and proposed concentration limits:

<u>Constituent</u>	<u>Concentration Limits</u>
Cadmium	0.04 mg/L
Chromium	0.05 mg/L
Lead	0.05 mg/L
Nickel	4.81 mg/L
Selenium	0.01 mg/L
Total Radium	1727 pCi/L
Thorium 230	1.49 pCi/L
Uranium	0.11 mg/L

On October 18, 1993, Petrotomics met with URFO personnel to discuss additional studies of corrective action methods and enhancements. The additional studies are currently in progress. We plan to furnish a status report soon.

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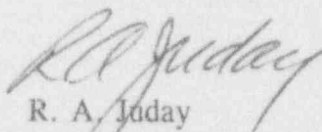
Branch Chief
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Page Two

Also briefly discussed was the probable necessity for alternate concentration limits (ACLs) at this site. The concentration limits proposed above are based on background or Table 5C values only, and do not necessarily represent achievable values.

We respectfully request that our Source Materials License be amended to establish the background wells, groundwater constituents to be monitored, and concentration limits proposed above.

If you have questions or need additional information, please contact me. We would be pleased to meet with you and members of your staff to discuss our proposal if such a meeting would be helpful.

Sincerely



R. A. Jaday
Supervisor

/jaa

Attachments

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