

SEMI-ANNUAL GROUND WATER
AND ENVIRONMENTAL
MONITORING REPORT

SECOND HALF OF 2021
(JULY THRU DECEMBER)

UNITED NUCLEAR CORPORATION

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February 23, 2022

ATTN: Document Control Desk,

40-8907

Deputy Director
Division of Decommissioning, Uranium Recovery and Waste Programs
Office of Nuclear Materials Safety and Safeguards
U.S. Nuclear Regulatory Commission
11555 Rockville Pike, #2 White Flint
Mail Stop T-8F5
Rockville, MD 20852-2738

RE: Second Half - July thru December 2021
Semi - Annual Ground Water Monitoring Report,
QA/QC Report and Environmental Monitoring Report.

Dear Deputy Director:

The above reports are submitted pursuant to UNC's NRC Source Materials License NO. SUA-1475, Condition 30C and 12; Section V.A. 15 of the EPA Administrative Order for the Church Rock Site.

Zone 3 well 420 was not sampled during first and second half of 2021 due to an unforeseen stuck or immovable pump in casing and lines got disconnected as pump was being pulled out for maintenance work on 1-5-21 but water level measurements were taken.

Well Samples for 614, 515-A, 604, 613, 708, EPA-14, 717, 717 Duplicate were submitted as possibly containing 11e(2) By Product Material and also included EPA-7, 517, 711, 719, MW-7, NW-5, 801, 632, 509-D, EPA-23, 803, 808, 802, GW-1. 624, EPA-25, RW-A and RW-11 during fourth quarter sampling event. These samples were submitted to Energy Laboratories, Inc., in Casper, Wyoming and handled accordingly.

Although not part of the performance monitoring program requirement Zone 3 supplemental wells PB-3, PB-4, PB-2, NBL-2, RW-A, RW-11, NW wells 1 thru 5, MW-6, MW-7 and IW-A are also included in this report (PB-2, PB-3, PB-4, MW-6, NW-1, IW-A and NW-2 are monitored monthly or quarterly and only in October wells MW-2, MW-3, 703, 709, 715, 716, 718, RW-16, RW-17, Z3M-1 and Z3M-2 for water level only). There is no effluent monitoring data to report.

Sincerely,

Max Chischilly Jr.

Max Chischilly Jr.
Radiation Safety Officer

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Enclosures

IE25
Q004
NMSS01
NMSS

Cc. Tim Axley, Wood E&IS (1CD)
Bill Pearson, NMED (1CD)
Darial Yazzie, NNEPA (1CD)
Jim Smith, NRC (1 printed copy, 1CD)
Janet Brooks, USEPA Region 6
Ray L. Kellar, NRC Region IV (1CD)
Jane Marshall, NRC (1 CD)