

40-8968

October 23, 1996

Richard F. Clement, Jr., President
Hydro Resources, Inc.
2929 Coors Blvd., NW
Suite 101
Albuquerque, NM 87120

SUBJECT: PRIMARY AND SECONDARY GROUNDWATER RESTORATION GOALS, CROWNPOINT
URANIUM PROJECT (DOCKET #40-8968)

Dear Mr. Clement:

This letter confirms that the U.S. Nuclear Regulatory Commission (NRC) staff received and reviewed Hydro Resources, Inc.'s (HRI) latest proposal, dated October 18, 1996, regarding the groundwater restoration goals for the Crownpoint project. The staff's understanding of this submittal and the teleconference held between NRC and HRI on October 21, 1996, is summarized in the enclosed Table A for both primary and secondary groundwater restoration goals.

Based on the October 21st teleconference, the staff understood that a "baseline water quality on a well field average" was agreed upon by both parties as a secondary restoration goal for those constituents without federal standards. This differs from HRI's October 18th letter, where "TDS" (total dissolved solids) is listed as the secondary restoration goal for these selected parameters. The NRC will continue its environmental assessment of the HRI project, based upon the staff's understanding of the aforementioned teleconference and submittal.

Please notify me in writing if the staff's understanding of HRI's commitment to groundwater restoration goals is different from the applicant's intent for the proposed licensing action.

If you have any questions concerning this subject, please contact Mr. Robert Carlson of my staff at (301) 415-8165.

Sincerely,

Original Signed By:]

Daniel M. Gillen, Assistant Chief
Uranium Recovery Branch
Division of Waste Management
Office of Nuclear Material Safety
and Safeguards

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Table A: Primary and Secondary Restoration Goals

Parameter	Primary Goal (mg/l)	Secondary Goal (mg/l)
Alkalinity	Well Field Average	Well Field Average
Ammonium (as Nitrate)	Well Field Average	10.0
Arsenic	Well Field Average	0.05
Barium	Well Field Average	1.0
Bicarbonate	Well Field Average	Well Field Average
Boron	Well Field Average	Well Field Average
Cadmium	Well Field Average	0.01
Calcium	Well Field Average	Well Field Average
Carbonate	Well Field Average	Well Field Average
Chloride	Well Field Average	250.0
Chromium	Well Field Average	0.05
Copper	Well Field Average	1.0
Conductivity ¹	Well Field Average	Well Field Average
Fluoride	Well Field Average	2.0
Iron	Well Field Average	0.3
Lead	Well Field Average	0.05
Magnesium	Well Field Average	Well Field Average
Manganese	Well Field Average	0.05
Mercury	Well Field Average	0.002
Molybdenum	Well Field Average	Well Field Average
Nickel	Well Field Average	0.1
Nitrate	Well Field Average	10.0
Potassium	Well Field Average	Well Field Average
pH ²	Well Field Average	6.5-8.5
Radium-226 ³	Well Field Average	5.0
Selenium	Well Field Average	0.05
Silver	Well Field Average	Well Field Average
Sodium	Well Field Average	Well Field Average
Sulfate	Well Field Average	250.0
TDS	Well Field Average	500.0
Uranium ³	Well Field Average	0.44
Vanadium	Well Field Average	Well Field Average
Zinc	Well Field Average	5.0

1. umohs/cm
 2. unitless
 3. pCi/l

Enclosure