

UNC MINING AND MILLING



Division of United Nuclear Corporation
A **UNC RESOURCES** Company

Church Rock Operations
P.O. Drawer QQ

Gallup, New Mexico 87301
Telephone 505/722-6651

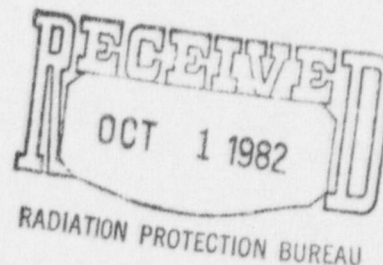
RECEIVED

OCT 1 1982

EID Dir's Office

September 28, 1982

Mr. Russell Rhoades
Director
N.M. Environmental Improvement Division
P.O. Box 968
Santa Fe, New Mexico 87504



Re: Tailings Neutralization Weekly Report

Dear Mr. Rhoades:

To ensure compliance with your letter dated November 17 1981, the following documents are forwarded for the week of operations from 9/19/82 through 9/25/82.

1. Daily pH monitoring data of neutralized tailings fluids and slurries
2. Laboratory analysis data of the weekly pond fluid samples

If you have any question or comment, please do not hesitate to contact me.

Respectfully submitted,

Marshall J. Fletcher
Resident Engineer

MJF/vm

Enclosures

cc: Thomas M. Hill, UNC, Dir., Tailings Management
Gus, Swanquist, UNC, Gen. Mgr., Mill

pH MONITORING DATA

Location of pH Measurement Points	FIELD pH DATA											
	Date	pH	Date	pH	Date	pH	Date	pH	Date	pH	Date	pH
B.P. #1 Neut. Chamber Discharge												
Borrow Pit No. 1 SE Corner			9/20/82	4.58	9/21/82	4.62	9/22/82	4.28	9/23/82	4.25	9/24/82	4.35
Borrow Pit No. 2 Barge Station			"	4.76	"	4.79	"	4.80	"	4.86	"	4.90
North Pond Decant Station			"	7.91	"	7.69	"	7.28	"	7.14	"	7.02
Pumping Well No. 323-A			"	2.80	"	2.79	"	2.82	"	2.80	"	2.79

REMARKS:

pH 6.38 Temp. 3.3 Gross α _____
*TDS 16782 Cond. 20,200 Gross β _____
TSS _____ Sal. _____

LAB NO. 921
SAMPLE ID 160714 P-10
COLL. DATE 9-13-88
COLL. TIME 0958
SAMPLER MM

TOTAL ANALYSES

Aliquot _____
Filter dig. acids _____
Parameters

AA METALS

Filtered _____
 HNO_3 to pH < 2 _____
Aluminum _____
Antimony _____
Arsenic _____
Barium _____
Cadmium _____
Calcium 510.0
Chromium _____
Cobalt _____
Copper _____
Iron 0.536
Lead _____
Magnesium 540.0
Manganese 40.7
Molybdenum .001
Mercury _____
Nickel _____
Potassium _____
Selenium _____
Silver _____
Sodium _____
Vanadium _____
Zinc _____

SELECTIVE ION

Nitrate-N 14.0 (Using _____)
Ammonia-N 2694
Cyanide _____
Fluoride _____

GRAVIMETRIC or TITRIMETRIC

Chloride 281.9
Carbonate _____
Bicarbonate 36.1
Alkalinity _____
*Sulfate 13,257.2

COLORIMETRIC

Boron _____
Uranium _____
Phenols _____

RADIOMETRIC

Thorium-230 _____
Radium-226 _____
Lead-210 _____
Polonium-210 _____
Radium-228 _____

REMARKS

FIELD DATA

pH = 6.80
TEMP = 13°C
COND = 17,000

WORK SENT OUT

Aliquot _____
Where _____
For _____

All results are in mg/L
unless otherwise noted.

OTHER

