

UNITED NUCLEAR CORPORATION



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CERTIFIED – RETURN RECEIPT REQUEST

March 15, 2006

Mr. Gary Jonosko, Branch Chief
U.S. Nuclear Regulatory Commission
Division of Fuel Safety & Safeguards
Fuel Cycle Licensing Branch
Office of Nuclear Material Safety & Safeguards
11545 Rockville Pike, # 2 White Flint
Mail Drop: T-8F42
Rockville, MD 20852-2738

Re: License No. SUA-1475, Condition No. 31
Docket 40-8907

Dear Mr. Jonosko:

In compliance with our NRC Radioactive Material License No. SUA-1475, Condition 31, the attached Annual Land Use Report for 2005 is presented.

Sincerely,

A handwritten signature in black ink that reads "Max Chischilly, Jr." with a stylized flourish at the end.

Max Chischilly, Jr.
Radiation Safety Officer

MC:drb

Enclosure

Cc: NRC, Region IV, Arlington, TX
Steve Hill, GE
Roy Blickwedel, GE
Bill Von Till, NRC

ANNUAL LAND USE SURVEY REPORT FOR 2005

UNITED NUCLEAR CORPORATION

LICENSE SUA - 1475

CONDITION NO. 31

MARCH 15, 2006

SURVEY OF LAND OWNERSHIP AND USE WITHIN TWO MILE RADIUS OF MILL SITE

UNITED NUCLEAR CORPORATION
 License No. SUA-1475
 Condition No. 31

1.0 Introduction

This report has been prepared pursuant to License Condition 31 of United Nuclear Corporation's License No. SUA-1475. The information submitted in this report was acquired from the master title plate published by the Bureau of Land Management. The surface ownership records are maintained by United Nuclear Corporation. The map is a copy of the USGS Quadrangle of Hardground Flats, Oak Springs, and Churchrock; the photo revised in 1987. The land use survey was performed by United Nuclear Corporation's Radiation Safety Officer.

2.0 Area Ownership and Use

Reference the attached map (page 6) for location in regards to Mill Site.

Area:	Owner:	Usage:
Section 1	Navajo Tribe	Grazing and well monitoring
Section 2*	United Nuclear	Mill & Tailings site, one employee homesite and well monitoring.
Section 3	Navajo Tribe	Grazing and well monitoring
Section 4	Indian Allotted	Grazing
Section 6	Indian Allotted	Grazing
Section 9	Navajo Tribe	Grazing
Section 10	Indian Allotted	Grazing, eleven homesite, and well monitoring
Section 11	Navajo Tribe	Grazing
Section 12	BLM, A, Etah, Etal	Grazing
Section 13	Navajo Tribe	Grazing
Section 14	Indian Allotted	Grazing
Section 15	Navajo Tribe	Grazing

Area:	Owner:	Usage:
Section 33	Navajo Tribe	Grazing
Section 34	BLM	Grazing
Section 35	Navajo Tribe	Grazing and UNC's re-claimed Northeast Church-Rock Mine Sites are located in this section.
Section 36	United Nuclear	Unauthorized grazing and well monitoring.
Map Northern Portion of 2 mile radius	Navajo Reservation	Grazing, 24 homesites, and Quivira's reclaimed Church-rock Mine site is located in this area.
Section 31	Indian Allotted	Grazing

** Additional Note for Section 2:*

The Mill has been decommissioned and has been cleaned to meet releasable standards for unrestricted use. Final reclamation activity on the tailings area was completed in 1996 with the exception of evaporation pond area, currently used for ground water remediation. Final cover radon flux test result was reported in the "Report on Radon Emanation Testing of Final Radon Cover Over UNC's Church Rock Tailings Site, Docket No. 40-80907 submitted on January 3, 1997.

3.0 Current ongoing tailings seepage remediation activity

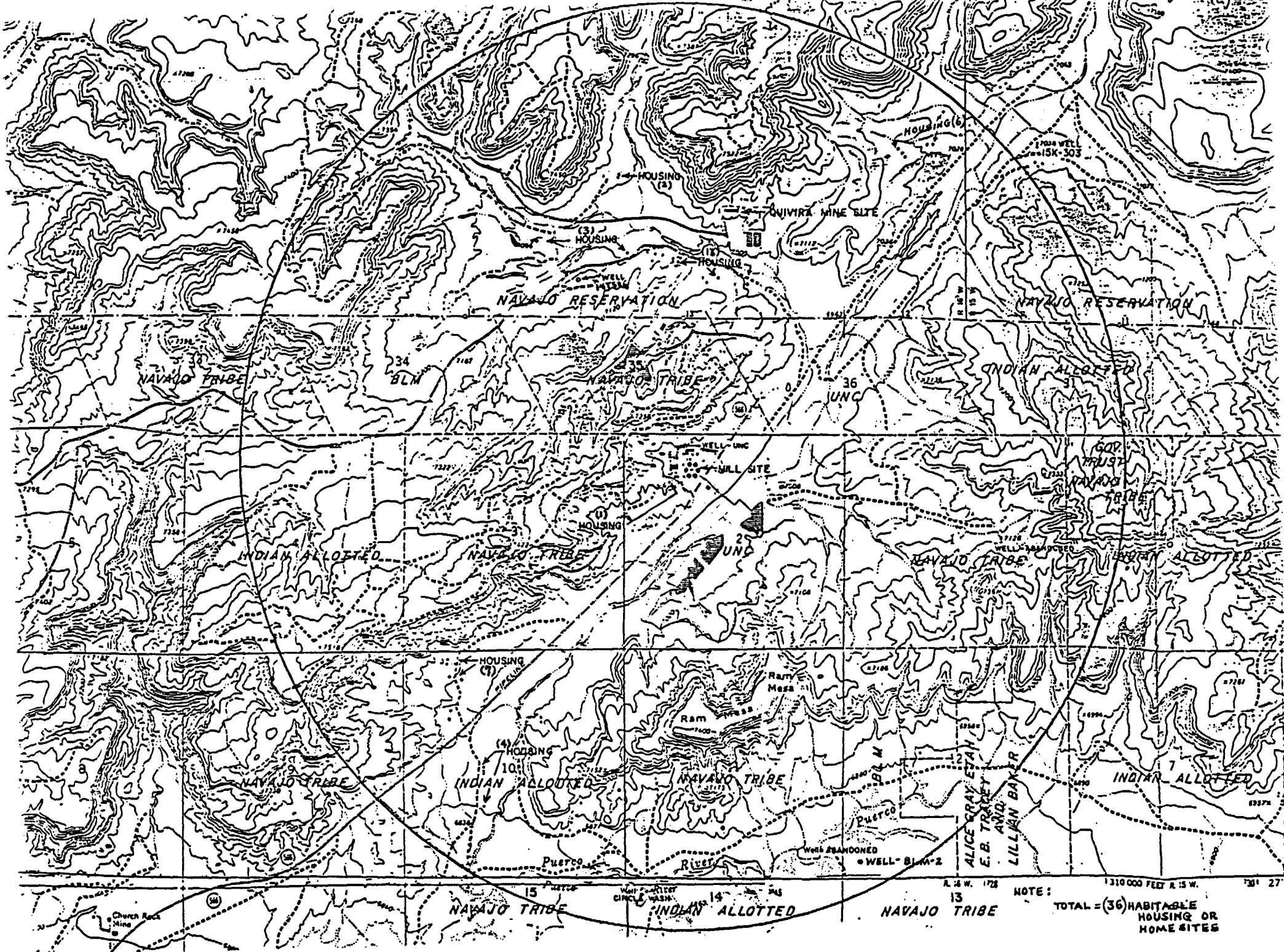
- (1.) Sample/monitor wells on Sec. 2 and 36 (UNC), Sec. 1 and 3 (Navajo Tribe) and Sec. 10 (Indian Allotted) on a quarterly basis.
- (2.) Pilot study of hydrofractured RW extraction wells on UNC's Sec. 36 as a way to enhance the remedy for cut off and containment of the migrating Zone 3 seepage impact water.
- (3.) Installment of new wells on UNC's Sec. 36 as part of a second pilot study to inject high alkalinity alluvial ground water to neutralize and displace the acidic tailings seepage in Zone 3 towards recovery wells.

4.0 Well ID, Use, Location and Formation

Well ID:	Use:	Location:	Formation:
United Nuclear	Domestic	Sec. 2-Mill Site	Westwater
Circle Wash	Domestic/ Livestock	Section 14	Alluvium
Unknown ID Abandoned	No Known Use	Section 11	Alluvium
J.E. Soper # 1 Abandoned	No Known Use	Section 1	Two Wells- Members Mancos
BLM - 2	Monitor	Section 12	Alluvium
14T - 586	Domestic/ Livestock	N.I.R. N Part of Map	Lower Gallup

5.0 Significant change or event which took place since the Land Use Report For 2004

- (1.) Residential homesite had increased from twenty-three to twenty-four in the northern most portion of the two mile radius (Navajo Reservation).
- (2.) NA-1 and NA-2 wells were drilled and installed near the north tailings perimeter fenceline on UNC's Section 36 in May, 2005. The purpose was for a pump test to determine the hydraulic properties of the alluvium and as part of the in-situ alkalinity stabilization pilot study in Zone 3 plume area.
- (3.) Continual pumping / extraction process in the Zone 3 plume area began for five hydrofractured wells (RW-11, RW-12, RW-15, RW-16, and RW-17) on 1/10/05 and one (RW-13) on 3/22/05. The pumped water is discharged into the tailings North Evaporation Pond.



NOTE: TOTAL = (36) HABITABLE HOUSING OR HOME SITES