

UNITED NUCLEAR CORPORATION



P.O. Box 3077
Gallup, New Mexico 87305-3077

Telephone: (505) 722-6651
Fax: (505) 722-6654

CERTIFIED – RETURN RECEIPT REQUEST

March 21, 2007

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

Dear Mr. Jonosko:

In compliance with our NRC Radioactive Material License No. SUA-1475, Condition 31, the attached Annual Land Use Report for 2006 is presented.

Sincerely,

A handwritten signature in cursive script, reading "Max Chischilly, Jr.", written in dark ink.

Max Chischilly, Jr.
Radiation Safety Officer

MC:

Enclosure

Cc: NRC, Region IV, Arlington, TX
Steve Hill, GE
Roy Blickwedel, GE
Paul Michalak, NRC



ANNUAL LAND USE SURVEY REPORT FOR 2006

UNITED NUCLEAR CORPORATION

LICENSE SUA – 1475

CONDITION NO. 31

MARCH 21, 2007

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 1979. 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 7) 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: Section 33	Owner: Navajo Tribe	Usage: 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 Friendship Well #1	Livestock	N.I.R. N Part of Map	Lower Gallup
NR – 1	Monitor/ Inactive	N.I.R. N Part of Map	Alluvium
15K – 303	Livestock	N.I.R. NE Part of Map	Upper Gallup

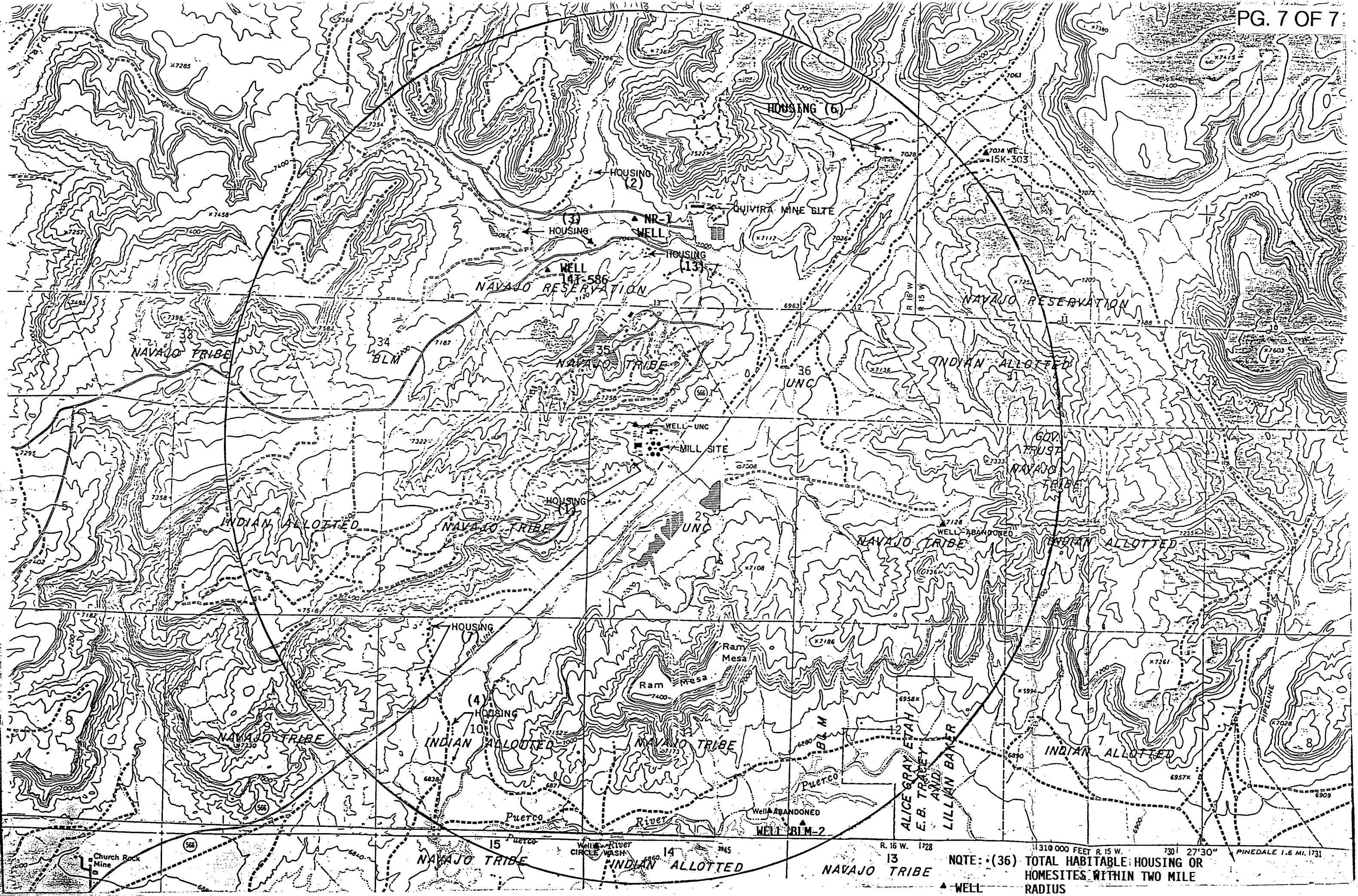
5.0 Significant change or event which took place since the Land Use Report For 2005

- (1.) No change in the number of residential homesites.
- (2.) The majority of the residential homesites have running water, leach / septic tanks system and electricity supplied to their homes. These utility systems is supplied and serviced by the Navajo Tribal Utility Authority.
- (3.) Included NR – 1 and 15K – 303 well in this report. NR – 1 was drilled / installed in 5-29-92 as part of a water quality background study and 15K-303 is in close proximity to the two mile radius.



- (4.) Four injection wells (1 w-1, 1 w – 2, 1 w – 3 and 1 w – 4) and two extraction wells (EW – 1 and EW-2) were drilled / installed near the northeast end perimeter fenceline area on UNC's Sec. 36 in January, 2006. These wells will be part of UNC's in situ alkalinity stabilization pilot study and the water source will be from the Mill Site Well in Sec. 2.

- (5.) Further remediation work is scheduled to be done on UNC's Northeast Church Rock Mine Site in Sec. 34 and 35 and the radiological survey activity was completed in December, 2006 involving various agencies and contractors (i.e. USEPA, NNEPA, MWH, AVM & USAF).



NOTE: (36) TOTAL HABITABLE HOUSING OR HOMESITES WITHIN TWO MILE RADIUS