

# UNITED NUCLEAR CORPORATION



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**CERTIFIED - RETURN RECEIPT REQUESTED**

March 13, 2003

Mr. Daniel M. Gillen, Branch Chief  
US Nuclear Regulatory Commission  
Division Fuel Cycle Safety & Safegaurds  
Fuel Cycle Licensing Branch  
Office of Nuclear Material Safety  
and Safeguards  
Mail Stop T-8A33  
Washington, DC 20555-0001

Re: License No. SUA-1475, *Docket 04008907*  
Condition No. 31

Dear Mr. Gillen:

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

Sincerely,

A handwritten signature in black ink, appearing to read "Larry Bush".

Larry Bush  
Manager

LB:drb

Enclosure

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

*NCMSSO*

**ANNUAL LAND USE SURVEY REPORT**

**UNITED NUCLEAR CORPORATION**

**LICENSE SUA-1475**

**CONDITION NO. 31**

**MARCH 13, 2003**

SURVEY OF LAND OWNERSHIP AND USE WITHIN TWO MILE OF MINE 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 plat 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 was revised in 1987. The land use survey was performed by United Nuclear Corporation's Radiation Safety Officer.

**2.0 Ownership and Use**

Reference the enclosed map for location is regards to Mill Site.

<b>Area:</b>	<b>Owner:</b>	<b>Usage:</b>
Section 1	Navajo Tribe	Grazing
Section 2*	United Nuclear	Mill & Tailings site plus one employee homesite
Section 3	Navajo Tribe	Grazing
Section 4	Indian Allotted	Grazing
Section 6	Indian Allotted	Grazing
Section 9	Navajo Tribe	Grazing
Section 10	Indian Allotted	Grazing, plus nine homesites
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

**\*Additional note for Sec. 2:**

The mill has been decommissioned and has been cleaned to meet releasable standards for unrestricted use. The tailings area has been reclaimed and interim cover placement was completed in 1991. Final cover including drainage was completed on one-third of the tailings area in 1993, and the second one-third was completed in 1994. Final cover of the last one-third of the tailings area was completed in 1995. Construction of drainage swales and channels to carry surface water away from tailings site was completed in 1996. Radon flux testing over the tailings pile final radon barrier (with the exception of two used evaporation ponds for ground water remediation) was performed in September 25, 1996. And the subsequent 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.

Current ongoing activity include sampling monitoring wells on UNC's Sec. 2 and 36, Sec. 1 (Navajo Tribe) and Sec. 10 (Indian Allotted) on a quarterly basis in accordance with Condition No. 30 of our License No. SUA-1475.

<b>Area:</b>	<b>Owner:</b>	<b>Usage:</b>
Section 33	Navajo Tribe	Grazing
Section 34	BLM	Grazing, United Nuclear Corporation has 4 patented claims on this section.
Section 35	Navajo Tribe	Grazing, United Nuclear Corporation Reclaimed Northeast Churchrock Mine Sites are located on this section.
Section 36	United Nuclear	Unauthorized grazing. Quivira Mining's decommissioned administration Offices are located on this section.
Map Northern Portion of 2-mile radius	Navajo Reservation	Grazing, plus 21 homesites. Quivira's reclaimed Churchrock Mine is located on this area.
Section 31	Indian Allotted	Grazing

### 3.0 Wells, Use and Location

<b>Well:</b>	<b>Use:</b>	<b>Location:</b>	<b>Formation:</b>
United Nuclear	Domestic	Section 2-Mill Site	Westwater
Circle Wash	Former livestock use and currently inactive	Section 14	Alluvium
Abandoned	No Known Use	Section 11	Alluvium
J.E.Soper #1	No Known Use	Section 1	Two Wells-Member Mancos
BLM-2	Monitor	Section 12	Alluvium
14T-586	Domestic/ Livestock	N.I.R. N Part of Map	Lower Gallup

### 4.0 Significant change or events which took place since the 2002 Land Use Report

1. On 6/14, 19, 22, 24/02, additional Monitoring Wells PB-1, PB-2, PB-3, and PB-4 were drilled/installed respectively, on UNC's Sec. 36, T.17N, R.16W., NMPM. These wells were installed to locate and track the migration of the northernmost extent of the seepage impacted water or plume in Zone 3.
2. Residential homesites had decreased from twelve to nine on Sec. 10 (Indian Allotted) and from 22 to 21 on the northwest portion of the 2 mile radius (Navajo Reservation).
3. The Circle Wash well located on Sec. 14 (Indian Allotted) once used for livestock, is currently not used and the well cover is locked up.
4. The required monthly sampling of 14 Southwest Alluvium Wells located on Sec. 2 (UNC) and Sec. 3 (Indian Allotted) for 12 to 18 months in accordance to our License No. SUA-1475, Amendment 31, Condition 30 dated 12/29/00 has been met and ceased on 6/2002 after 18 months of sampling.
5. Currently, UNC no longer has unpatented claims on Sec. 34 (BLM).

