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40-8728/SLW/85/06/12/1

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JUN 20 1985

Docket File 8728
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 URFO r/f

URFO:SLW
 Docket No. 40-8728
 SUA-1373, Amendment No. 14
 04008728400E

UNC Teton Exploration Drilling, Inc.
 ATTN: Juan R. Velasquez
 P.O. Box 8480
 Santa Fe, New Mexico 87504-8480

Gentlemen:

Pursuant to Title 10, Code of Federal Regulations, Part 40, and UNC Teton submittal dated April 30, 1985, Source Material License No. SUA-1373 is hereby amended by adding License Condition No. 37, to read as follows:

37. The decommissioning plan submitted by UNC Teton on April 30, 1985, is approved with the following modifications:
- (a) The licensee shall remove any contaminated soils exceeding 5 pCi/g Ra-226 above background at the surface or 15 pCi/g Ra-226 above background at 15 centimeter intervals below the surface averaged over 100 square meters, regardless of whether after recontouring the original surface (i.e., pond bottom) is 15 centimeters or greater below the surface.
 - (b) The licensee shall submit for NRC review and approval, the results of pond sludge analysis and any changes to the radiation health safety program resulting from this analysis.
 - (c) The licensee shall calibrate the radiation instruments daily when in use against an appropriate radiation check source.
 - (d) The licensee shall conduct air particulate gross alpha surveys, rather than radon daughter surveys, before and

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during decommissioning activities within the plant and in the pond area. In the plant area, air particulate gross alpha surveys will consist of at least a 3000 liter sample every 2 weeks. If concentrations of gross alpha exceed 25 percent of 1×10^{-10} pCi/l (or 2.5 uCi/ml), the sampling frequency should increase to weekly. Time weighted exposure records should be kept for all workers. In the pond area, air particulate gross alpha surveys should be taken at the downwind edge of the pond every 2 weeks. Background samples should be taken upwind offsite prior to beginning decommissioning activities.

- (e) Verification soil samples shall be collected from any area that has been cleaned up, composited per location and analyzed for radium-226 concentrations. In any areas where more than 15 cm (6 inches) of soil has been removed, the 15 pCi/g plus background criteria shall apply.

All other conditions of this license shall remain the same.

The effect of this amendment is to add a provision for verification soil samples during site decommissioning. Mr. J. Velasquez has been informed of and agrees with the above modification to Source Material License SUA-1373.

FOR THE NUCLEAR REGULATORY COMMISSION

/s/

R. Dale Smith, Director
Uranium Recovery Field Office
Region IV

Case Closed: 04008728400E

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