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RETURN ORIGINAL TO PDR, HQ

General Office: 772 Horizon Drive, Grand Junction, CO 81501  
Corporate Office: 212 West Michigan Avenue, Jackson, MI 49201  
Registered Office: 136 South Main, Salt Lake City, UT 84101  
Shootaring Canyon Operations: P. O. Box 511, Ticaboo, UT 84734

(303) 245-5460  
(517) 788-1942  
(801) 534-0734  
(801) 788-2120  
Mill Office

July 11, 1985

USNRC Uranium Recovery Field Office  
P.O. Box 25325  
Denver, CO 80225-0325

Dear Ms. Jierree:

Attached is the information on the ore stockpiles at the Shootaring Canyon Uranium Processing Facility that we discussed on the telephone on July 9, 1985.

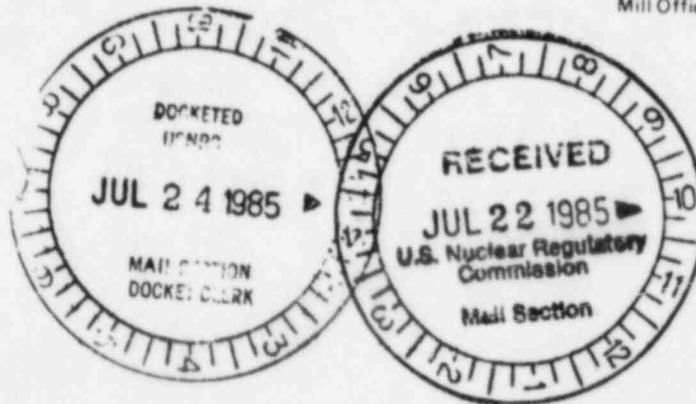
If you have any questions, don't hesitate to call me at (801) 788-2120 or (303) 245-5460.

Sincerely,

*Fred W. Gerdeman*

Fred W. Gerdeman  
Director of Regulatory Affairs

enclosure



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FEE EXEMPT

*Add Info*  
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The samples for analysis were taken at four random selected sites atop the ore piles. Due to the large size material encountered at each sample site, the samples are all taken not less than 8-10 inches of the surface and not greater than 12-14 inches in depth. These analyses therefore are only indicative of the top of the ore pile. More representative sampling of the ore pile will require mechanical means.

#### Moisture Determination According to ASTM D-2216 Procedure.

Sample No. 1	1000.0 gms wet wt.	987.0 gms dry wt.
Sample No. 2	1000.0 gms wet wt.	989.4 gms dry wt.
Sample No. 3	1000.0 gms wet wt.	985.6 gms dry wt.
Sample No. 4	1000.0 gms wet wt.	984.0 gms dry wt.

$$\text{Percent moisture} = \frac{\text{wet weight} - \text{dry weight}}{\text{dry weight}} \times 100$$

Sample No. 1 = 1.32%

Sample No. 2 = 1.07%

Sample No. 3 = 1.46%

Sample No. 4 = 1.63%

Average =  $1.88 \pm 0.24\%$  moisture

Particle Size Distribution According to ASTM D-422 - modified by substituting a number 230 sieve instead of the required number 200 sieve. Sample size 2000 gms -2% accuracy in weighing:

<u>Sieve Size</u>	<u>Retains</u>	<u>Passes</u>	<u>Passes Percent</u>
3/4 inch	117.3 gms	1906.8 gms	94.2%
3/8 inch	61.3 gms	1845.5 gms	91.2%
#4 (4.75 mm)	80.0 gms	1765.5 gms	87.2%
#8 (2.36 mm)	71.1 gms	1694.4 gms	83.7%
#16 (1.18 mm)	91.9 gms	1602.5 gms	79.2%
#30 (0.6 mm)	111.0 gms	1491.5 gms	73.7%
#50 (0.3 mm)	892.5 gms	599.0 gms	29.6%
#100 (0.15 mm)	450.4 gms	148.6 gms	7.3%
#230 (0.063 mm)	136.3 gms	12.3 gms	0.6%

#### Particle Size Distribution

<u>Greater than</u>	<u>Percent</u>	<u>Less Than Percent</u>
3/4 inch	0.62	94.20
3/8 inch	6.42	91.17
4.75 mm	9.45	87.22
2.36 mm	13.40	83.71
1.18 mm	16.91	79.17
0.6 mm	21.45	73.69
0.3 mm	26.93	29.60
0.15 mm	71.02	7.35
0.063 mm	93.27	0.62