to Hooks

40-8903

FACSIMILE TRANSMITTAL FORM

URANIUM RECOVERY FIELD OFFICE
DENVER, COLORADO

Date: 1-11-94

To: Fred Craft (Name) HMC (Bldg. Name or Region)

505-287-9289 (Fax Number) (Verification Number)

2 Number of pages being sent (EXCLUDING THIS FORM)

From: Pete Garcia

U.S. Nuclear Regulatory Commission
Uranium Recovery Field Office
P.O. Box 25325
Denver, Colorado 80225

NRC raw data for IX splits

Verification Number: FTS 8/303-231-5800/(303) 231-5800

Facsimile Number: FTS 8/303-231-5825/(303) 231-5825

Remarks:

1/1

NL05

[illegible] - [illegible]

LLL17123 Page 1

Oak Ridge National Laboratory
Analytical Services Organization
Results of Analyses
Low Level Radiochemical Analysis

Customer Name	KONWINSKI	Date Received	25-May-1993 14:11
Request Number	LLL17133	Charge Number	33900676
Project Number		Dept Number	3390
		Date of Report	19-AUG-93

Approved By Na [signature]
Date 8/19/93

Customer ID / Sample Matrix / Material Description	ACD Number / Frequency	Date Sampled / Series	RA-226	URANIUM, TOT	Calculation
[illegible] BACKGROUND SOIL	930525-079		RA-226 ~~98~~ 88 +/- 21 BQ/KG EPA-903.0	URANIUM, TOT 200 +/- 10 BQ/KG 2 31922	Ra-226 = 88 × 27 ÷ 1000 = 2.376 pCi/g U-Nat = 200 × 27 ÷ 1000 = 5.4 pCi/g
1X-NEW-1 SOIL	930525-080		RA-226 350 +/- 180 BQ/KG EPA-903.0	URANIUM, TOT 2100 +/- 100 BQ/KG 2 31923	Ra-226 = 350 BQ/KG × 27 pCi/BQ / 1000 g/KG = 9450/1000 = 9.45 pCi/g U Nat = 2100 BQ/KG × 27 pCi/BQ / 1000 g/KG = 56700/1000 = 56.7 pCi/g
1X-NEW-2 SOIL	930525-081		RA-226 29 +/- 11 BQ/KG EPA-903.0	URANIUM, TOT 69 +/- 9 BQ/KG 2 31922	Ra-226 = 29 × 27 ÷ 1000 = .783 pCi/g U Nat = 69 × 27 ÷ 1000 = 1.86 pCi/g
1X-OLD-3 SOIL	930525-082		RA-226 16 +/- 6 BQ/KG EPA-903.0	URANIUM, TOT 190 +/- 10 BQ/KG 2 31923	Ra-226 = 16 × 27 ÷ 1000 = 0.4320 pCi/g U-Nat = 190 × 27 ÷ 1000 = 5.13 pCi/g
1X-POND-4 SOIL	930525-083		RA-226 35 +/- 12 BQ/KG EPA-903.0	URANIUM, TOT 73 +/- 6 BQ/KG 2 31923	Ra-226 = 35 × 27 ÷ 1000 = 0.9450 pCi/g U-Nat = 73 × 27 ÷ 1000 = 1.9710 pCi/g

1 BQ = 27pCi

Customer ID / Sample Matrix / Material Description	ACB Number / Frequency	Date Sampled / Series			
SUR-COMP-1 / SOIL	930525-084		RA-226 / 270 / +/- 50 / BQ/KG / EPA-903.0	URANIUM, TOT / 120 / +/- 10 / BQ/KG / 2 31923	Ra-226 = 270 x 27 ÷ 1000 = 7.29 pCi/g U-Nat = 120 x 27 ÷ 1000 = 3.24 pCi/g
DITCH-1 / SOIL	930525-085		RA-226 / 1800 / +/- 300 / BQ/KG / EPA-903.0	URANIUM, TOT / 1400 / +/- 100 / BQ/KG / 2 31923	Ra-226 = 1800 x 27 ÷ 1000 = 48.60 pCi/g U-Nat = 1400 x 27 ÷ 1000 = 37.80 pCi/g
DITCH-2 / SOIL	930525-086		RA-226 / 1600 / +/- 200 / BQ/KG / EPA-903.0	URANIUM, TOT / 1700 / +/- 100 / BQ/KG / 2 31923	Ra-226 = 1600 x 27 ÷ 1000 = 43.2 pCi/g U-Nat = 1700 x 27 ÷ 1000 = 45.9 pCi/g
DITCH-3 / SOIL	930525-087		RA-226 / 2500 / +/- 400 / BQ/KG / EPA-903.0	URANIUM, TOT / 2000 / +/- 100 / BQ/KG / 2 31923	Ra-226 = 2500 x 27 ÷ 1000 = 67.5 pCi/g U-Nat = 2000 x 27 ÷ 1000 = 54 pCi/g

End of Data for Request LLL17183   Total Pages = 2   Printed Using Format: 10   Cust. Copy ✓ File Copy ___