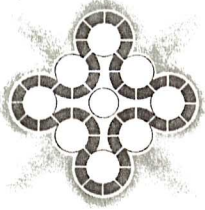


6107291



Aerojet Nuclear Company

Interoffice Correspondence

June 30, 1975

TO: File

TRANSMITTAL OF ANALYSIS OF RRG-2 WATER SAMPLES - Kun-388-75

Attached are the results of the latest analyses of water samples taken from RRG-2 under the conditions noted. Also included are samples from Raft River, Sinks' irrigation well, and the drilling mud. These data are still incomplete but are being furnished at this time for reference purposes.

Jay
Dr. J. F. Kunze, Manager
Geothermal Projects

SGS:cs

cc:

LGMiller
RLMiller
GLMines
SJPrestwich
RJSchultz
RCStoker
JFWhitbeck
SGSpencer

ECSchlender - RRGDC
RKHigginson - IDWR

Put these in a formal report per SG!

	RRGE-2 River #2	RRGE-2 (ave.) drill-stem	Sinks	Mud	RRGE-2 (pressure)	RRGE-2 (pressure)	RRGE-2 flow test	RRGE-1	
Al	m-M ^c	m-M ^c	m-M ^c	m-M ^c	m-M ^c	T ^c	m ^c	m ^c	ND
As								m-T	
	<.001 ^b	<.001 ^b	T ^c	T ^c	T ^c	0.2 ^b	0.3 ^b	<0.05 ^b	
	<5 ^b	<5 ^b	<5	<5	<5	<0.4 ^b	<0.4 ^b	<0.4 ^b	<0.4
Be	<.001 ^b	<.001 ^b	T ^c	T ^c	T ^c	<0.0001 ^b	<0.0001 ^b	<0.0001 ^b	<0.002
Ca	41 ^b	44 ^b	27	320	90	51 ^b	57 ^b	37 ^b	57
Cd									ND
Co									ND
Cr						m ^c	m ^c		ND
Cu	T ^c	T ^c	T ^c	T ^c	T ^a	T ^c	T ^a	T ^c	m-T
Fe	m-M ^c	m-M ^c	m-M ^c	m-M ^c	m-M ^c	0.09 ^b	0.8 ^b	M-m ^c	T
Hg								ND ^b	0.32
K	6.5 ^b	7.1 ^b	25	17	25	35 ^b	37 ^b	37 ^b	26.7
Li	0.02 ^b	0.02 ^b	1.6	0.7	0.5			1.2 ^b	1.25
Mg	93 ^b	10.0 ^b	1.3	79	7.3	1.7 ^b	1.8 ^b	0.2 ^b	0.76
Mn	T ^c	T ^c	T ^c	T ^a	T ^c		0.06 ^b	T ^c	0.07
Mo									
Na	39 ^b	39 ^b	475	406	1350	438 ^b	442 ^b	420 ^b	400
Ni						6.3 ^b	0.9 ^b		3.7
(tot)	0.060	0.068				0.008	0.011	0.02	0.016
Pb			T ^c	T ^c	T ^c			T ^c	T
Si	17 ^b	21 ^b	56	29	330	46 ^b	67 ^b	65 ^b	46±
Sn									ND
Sr	0.3 ^b	0.3 ^b	0.59	1.6	0.08	1.5 ^b	1.4 ^b	1.2 ^b	1.44
	m ^c	m ^c	m ^c	m ^c	m ^c			m ^c	T-m
									ND
Zn			T-m ^c	T-m ^c					ND
Zr	T ^c	T ^c	T ^c	T ^c	T ^c		T ^c	T ^c	m
Br ⁻	<1.5	<1.5							ND
Cl ⁻	52	53	737	1267	882	<1.5	<1.5	<1.5	<2.5
CO ₃ ⁼	21.2 ^a	18.0 ^a				793	784	836	614
F ⁻	0.32	0.46				ND	ND	16.1	8.8
ICO ₂ ⁻	159.2 ^a	161.3 ^a				7.10	7.33	8.5	5.4
I ⁻	74 ppb	45 ppb				66.1	61.0	29.8	45.4
NH ₄ ⁺	0.9	1.1				50 ppb	50 ppb	59 ppb	0.036
NO ₃ ⁻	0.9	1.1				0.4	0.3	0.43	1.99
PO ₄ ⁼	3.8	3.7							0.44
S ⁼									0.05
SiO ₂						<0.1	<0.1	<0.1	<0.2
(OH) ₄	44.1 ppt	44.8 ppt				138	217	226	167.2
SO ₄ ⁼	24.5	24.5				52	54	53	61
pH	8.07	8.09							
activity	4.35			3600		7.64	7.38	8.1	7.05-7.40
activity	0								2800
activity	0.76		20.9	5.25					1715
activity	278		1540	2300		16.4			14.4
									~1800

a. As CaCO₃ b. Filtrate c. Residue

MINERALS = µg/ml. spl.

M = MAJOR = ≥ 5%

m = MINOR = <5%>.1%

T = TRACE = <.1%