



Controls for Environmental Pollution, Inc.
P.O. BOX 5351 • Santa Fe, New Mexico 87505

IN STATE 505/982-9841

OUT OF STATE 800/545-2182 • FAX - 505-982-9841

Controls for Environmental
Pollution, Inc.

P.O. Box 5351
Santa Fe, NM 87502

Attn: James J. Mueller
Phone: (505) 982-9841

United Nuclear Corporation
149 Narragansett Trail
Charlestown, RI 02813

Attn: Karl A. Helgeson

Purchase Order: RS-21422 CN 13
Invoice Number:

Order #: 90-07-354
Date: 09/04/90 14:52
Work ID: Environmental & W.G.
Date Received: 07/18/90
Date Completed: 09/04/90

ND - No man-made nuclides detected.

SAMPLE IDENTIFICATION

<u>Sample Number</u>	<u>Sample Description</u>
01	T-3
03	76-U
05	W-7
07	W-10

<u>Sample Number</u>	<u>Sample Description</u>
02	T-4
04	W-5
06	W-9
08	W-12

9102140048 900913
PDR ADDCK 07000820
PDR



Controls for Environmental Protection, Inc.
P.O. BOX 5351 • Santa Fe, New Mexico 87505

IN STATE 505/982-91

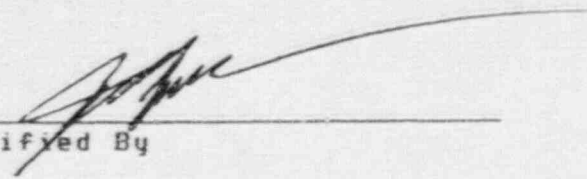
OUT OF STATE 800/345-2188 • FAX - 505-982-92

Order # 90-07-354
09/04/90 14:52

Controls for Environmental

Page 2

Remainder of sample(s) for routine analysis will be disposed
of three weeks from final report date. Sample(s) for bacteria
analysis only, will be disposed of immediately after analysis.
This is not applicable if other arrangements have been made.



Certified By

Order # 90-07-354
09/04/90 14:52

Controls for Environmental

Page 3

TEST RESULTS BY SAMPLE

Sample: 01A T-3

Collected:

Job: RAD_WQ Environmental & Wet Chem

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Cesium-137	<2		pCi/liter		
Fluoride	0.05	0.01	mg/liter	07/23/90	KR
Gamma Spectral Analysis	ND		pCi/liter		
Gross Alpha	<2	2	pCi/liter		
Gross Beta	<3	3	pCi/liter		
Nitrogen, Nitrate (as N)	0.4	0.1	mg/liter	07/26/90	MG
Radium-226	<0.6	0.6	pCi/liter		
Radium-228	<1	1	pCi/liter		
Specific Conductance	52	0.2	units	07/24/90	MW
Strontium-90	<0.5		pCi/liter		
Technetium-99	<1		pCi/liter		
Thorium-228	<0.6		pCi/liter		
Thorium-230	<0.6		pCi/liter		
Thorium-232	<0.6		pCi/liter		
Uranium-234	<0.6		pCi/liter		
Uranium-235	<0.6		pCi/liter		
Uranium-238	<0.6		pCi/liter		

Sample: 02A T-4

Collected:

Job: RAD_WQ Environmental & Wet Chem

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Cesium-137	<2		pCi/liter		
Fluoride	0.02	0.01	mg/liter	07/23/90	KR
Gamma Spectral Analysis	ND		pCi/liter		
Gross Alpha	<2	2	pCi/liter		



Order # 90-07-354
09/04/90 14:52

Controls for Environmental

Page 4

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Gross Beta	<3	3	pCi/liter		
Nitrogen, Nitrate (as N)	0.2	0.1	mg/liter	07/26/90	MG
Radium-226	<0.6	0.6	pCi/liter		
Radium-228	1.3+/-1.0	1	pCi/liter		
Specific Conductance	73	0.2	units	07/24/90	MW
Strontium-90	<0.5		pCi/liter		
Technetium-99	<1		pCi/liter		
Thorium-228	1.7+/-0.6		pCi/liter		
Thorium-230	<0.6		pCi/liter		
Thorium-232	1.1+/-0.5		pCi/liter		
Uranium-234	<0.6		pCi/liter		
Uranium-235	<0.6		pCi/liter		
Uranium-238	<0.6		pCi/liter		

Sample: 03A 76-U

Collected:

Job: RAD_WQ Environmental & Wet Chem

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Cesium-137	<2		pCi/liter		
Fluoride	0.06	0.01	mg/liter	07/23/90	KR
Gamma Spectral Analysis	ND		pCi/liter		
Gross Alpha	<2	2	pCi/liter		
Gross Beta	<3	3	pCi/liter		
Nitrogen, Nitrate (as N)	3.0	0.1	mg/liter	07/26/90	MG
Radium-226	<0.6	0.6	pCi/liter		
Radium-228	<1	1	pCi/liter		
Specific Conductance	94	0.2	units	07/24/90	MW
Strontium-90	<0.5		pCi/liter		
Technetium-99	<1		pCi/liter		
Thorium-228	1.2+/-0.8		pCi/liter		
Thorium-230	<0.6		pCi/liter		
Thorium-232	1.9+/-0.9		pCi/liter		
Uranium-234	<0.6		pCi/liter		
Uranium-235	<0.6		pCi/liter		



Order # 90-07-354
09/04/90 14:52

Controls for Environmental

Page 5

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Uranium-238	<0.6		pCi/liter		

Sample: 04A W-5 Collected:
Job: RAD_WG Environmental & Wet Chem

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Cesium-137	<2		pCi/liter		
Fluoride	0.03	0.01	mg/liter	07/23/90	KR
Gamma Spectral Analysis	ND		pCi/liter		
Gross Alpha	<2	2	pCi/liter		
Gross Beta	<3	3	pCi/liter		
Nitrogen, Nitrate (as N)	<0.1	0.1	mg/liter	07/26/90	MG
Radium-226	<0.6	0.6	pCi/liter		
Radium-228	<1	1	pCi/liter		
Specific Conductance	52	0.2	units	07/24/90	MW
Strontium-90	<0.5		pCi/liter		
Technetium-99	3+/-1		pCi/liter		
Thorium-228	<0.6		pCi/liter		
Thorium-230	<0.6		pCi/liter		
Thorium-232	<0.6		pCi/liter		
Uranium-234	<0.6		pCi/liter		
Uranium-235	<0.6		pCi/liter		
Uranium-238	<0.6		pCi/liter		

Sample: 05A W-7 Collected:
Job: RAD_WG Environmental & Wet Chem

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Cesium-137	<2		pCi/liter		
Fluoride	0.03	0.01	mg/liter	07/23/90	KR
Gamma Spectral Analysis	ND		pCi/liter		
Gross Alpha	<2	2	pCi/liter		



Order # 90-07-354
09/04/90 14:52

Controls for Environmental

Page 6

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Gross Beta	<3	3	pCi/liter		
Nitrogen, Nitrate (as N)	0.5	0.1	mg/liter	07/26/90	MG
Radium-226	<0.6	0.6	pCi/liter		
Radium-229	<1	1	pCi/liter		
Specific Conductance	52	0.2	units	07/24/90	MW
Strontium-90	<0.5		pCi/liter		
Technetium-99	2+/-1		pCi/liter		
Thorium-228	<0.6		pCi/liter		
Thorium-230	<0.6		pCi/liter		
Thorium-232	<0.6		pCi/liter		
Uranium-234	<0.6		pCi/liter		
Uranium-235	<0.6		pCi/liter		
Uranium-238	<0.6		pCi/liter		

Sample: 06A W-9

Collected:

Job: RAD_WG Environmental & Wet Chem

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Cesium-137	<2		pCi/liter		
Fluoride	0.03	0.01	mg/liter	07/23/90	KR
Gamma Spectral Analysis	ND		pCi/liter		
Gross Alpha	<2	2	pCi/liter		
Gross Beta	<3	3	pCi/liter		
Nitrogen, Nitrate (as N)	<0.1	0.1	mg/liter	07/26/90	MG
Radium-226	<0.6	0.6	pCi/liter		
Radium-228	<1	1	pCi/liter		
Specific Conductance	42	0.2	units	07/24/90	MW
Strontium-90	<0.5		pCi/liter		
Technetium-99	2+/-1		pCi/liter		
Thorium-228	<0.6		pCi/liter		
Thorium-230	<0.6		pCi/liter		
Thorium-232	<0.6		pCi/liter		
Uranium-234	<0.6		pCi/liter		
Uranium-235	<0.6		pCi/liter		



Order # 90-07-354

Controls for Environmental

Page 7

09/04/90 14:52

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Uranium-238	<0.6		pCi/liter		

Sample: 07A W-10

Collected:

Job: RAD_WG Environmental & Wet Chem

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Cesium-137	<2		pCi/liter		
Fluoride	0.03	0.01	mg/liter	07/23/90	KR
Gamma Spectral Analysis	ND		pCi/liter		
Gross Alpha	<2	2	pCi/liter		
Gross Beta	<3	3	pCi/liter		
Nitrogen, Nitrate (as N)	0.2	0.1	mg/liter	07/26/90	MG
Radium-226	<0.6	0.6	pCi/liter		
Radium-228	<1	1	pCi/liter		
Specific Conductance	42	0.2	units	07/24/90	MW
Strontium-90	<0.5		pCi/liter		
Technetium-99	5+/-1		pCi/liter		
Thorium-228	<0.6		pCi/liter		
Thorium-230	<0.6		pCi/liter		
Thorium-232	<0.6		pCi/liter		
Uranium-234	<0.6		pCi/liter		
Uranium-235	<0.6		pCi/liter		
Uranium-238	<0.6		pCi/liter		

Sample: 08A W-12

Collected:

Job: RAD_WG Environmental & Wet Chem

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Cesium-137	<2		pCi/liter		
Fluoride	0.03	0.01	mg/liter	07/23/90	KR
Gamma Spectral Analysis	ND		pCi/liter		
Gross Alpha	<2	2	pCi/liter		



Controls for Environmental Pollution, Inc.

P.O. BOX 5351 • Santa Fe, New Mexico 875

TEL: (505) 982-9841
OUT OF STATE 800/545-2188 • FAX: 505-982-9849

Controls for Environmental
Pollution, Inc.

P.O. Box 5351

Santa Fe, NM 87502

Attn: James J. Mueller

Phone: (505) 982-9841

United Nuclear Corporation
149 Narragansett Trail
Charlestown, RI 02813

Attn: Karl A. Helgeson

Purchase Order: RS-21422 CN 13

Invoice Number:

Order #: 90-07-397

Date: 09/13/90 15:25

Work ID: Environmental & Water Quality

Date Received: 07/19/90

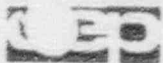
Date Completed: 09/13/90

ND - No man-made nuclides detected.

SAMPLE IDENTIFICATION

<u>Sample Number</u>	<u>Sample Description</u>
01	P-W
03	T-2
05	W-E
07	W-6

<u>Sample Number</u>	<u>Sample Description</u>
02	T-1
04	W-D
06	W-3



Controls for Environmental Protection, Inc.

P.O. BOX 5351 • Santa Fe, New Mexico 87505

OUT OF STATE 800/545-2188 • FAX - 505-982-9239

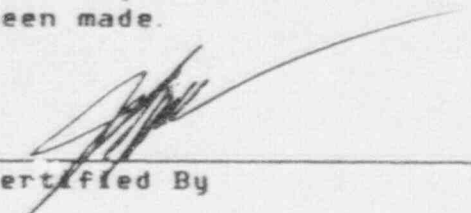
Order # 90-07-397

Controls for Environmental

Page 2

09/13/90 15:25

Remainder of sample(s) for routine analysis will be disposed of three weeks from final report date. Sample(s) for bacteria analysis only, will be disposed of immediately after analysis. This is not applicable if other arrangements have been made.



Certified By



Order # 90-07-397
 09/13/90 15:15

Controls for Environmental

Page 3

TEST RESULTS BY SAMPLE

Sample: 01A P-W Collected:
 Job: RAD_WG Environmental & Wet Chem

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Cesium-137	<2		pCi/liter		
Fluoride	0.06	0.01	mg/liter	07/23/90	KR
Gamma Spectral Analysis	ND		pCi/liter		
Gross Alpha	<2	2	pCi/liter		
Gross Beta	<3	3	pCi/liter		
Nitrogen, Nitrate (as N)	<0.1	0.1	mg/liter	07/27/90	MG
Radium-226	0.7+/-0.5	0.6	pCi/liter		
Radium-228	<1	1	pCi/liter		
Specific Conductance	52	0.2	units	07/24/90	MW
Strontium-90	1.4+/-1.1		pCi/liter		
Technetium-99	<5		pCi/liter		
Thorium-228	<0.6		pCi/liter		
Thorium-230	<0.6		pCi/liter		
Thorium-232	<0.6		pCi/liter		
Uranium-234	<0.6		pCi/liter		
Uranium-235	<0.6		pCi/liter		
Uranium-238	<0.6		pCi/liter		

Sample: 02A T-1 Collected:
 Job: RAD_WG Environmental & Wet Chem

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Cesium-137	<2		pCi/liter		
Fluoride	0.02	0.01	mg/liter	07/24/90	KR
Gamma Spectral Analysis	ND		pCi/liter		
Gross Alpha	<2	2	pCi/liter		



Order # 90-07-397
09/13/90 15:15

Controls for Environmental

Page 4

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Gross Beta	<3	3	pCi/liter		
Nitrogen, Nitrate (as N)	0.1	0.1	mg/liter	07/27/90	MG
Radium-226	<0.6	0.6	pCi/liter		
Radium-228	<1	1	pCi/liter		
Specific Conductance	52	0.2	units	07/24/90	MW
Strontium-90	<0.5		pCi/liter		
Technetium-99	<5		pCi/liter		
Thorium-228	0.9+/-0.5		pCi/liter		
Thorium-230	<0.6		pCi/liter		
Thorium-232	<0.6		pCi/liter		
Uranium-234	<0.6		pCi/liter		
Uranium-235	<0.6		pCi/liter		
Uranium-238	<0.6		pCi/liter		

Sample: 03A T-2

Collected:

Job: RAD_WQ Environmental & Wet Chem

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Cesium-137	<2		pCi/liter		
Fluoride	0.02	0.01	mg/liter	07/24/90	KR
Gamma Spectral Analysis	ND		pCi/liter		
Gross Alpha	<2	2	pCi/liter		
Gross Beta	<3	3	pCi/liter		
Nitrogen, Nitrate (as N)	0.7	0.1	mg/liter	07/27/90	MG
Radium-226	<0.6	0.6	pCi/liter		
Radium-228	<1	1	pCi/liter		
Specific Conductance	60	0.2	units	07/24/90	MW
Strontium-90	<0.5		pCi/liter		
Technetium-99	<5		pCi/liter		
Thorium-228	<0.6		pCi/liter		
Thorium-230	<0.6		pCi/liter		
Thorium-232	<0.6		pCi/liter		
Uranium-234	<0.6		pCi/liter		
Uranium-235	<0.6		pCi/liter		



Order # 90-07-397
09/13/90 15:15

Controls for Environmental

Page 5

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Uranium-238	<0.6		pCi/liter		

Sample: 04A W-D Collected:
Job: RAD_WQ Environmental & Wet Chem

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Cesium-137	<2		pCi/liter		
Fluoride	0.023	0.01	mg/liter	07/24/90	KR
Gamma Spectral Analysis	ND		pCi/liter		
Gross Alpha	<2	2	pCi/liter		
Gross Beta	<3	3	pCi/liter		
Nitrogen, Nitrate (as N)	0.4	0.1	mg/liter	07/27/90	MG
Radium-226	0.6+/-0.3	0.6	pCi/liter		
Radium-228	<1	1	pCi/liter		
Specific Conductance	52	0.2	units	07/24/90	MW
Strontium-90	1.2+/-0.8		pCi/liter		
Technetium-99	<5		pCi/liter		
Thorium-228	<0.6		pCi/liter		
Thorium-230	<0.6		pCi/liter		
Thorium-232	<0.6		pCi/liter		
Uranium-234	<0.6		pCi/liter		
Uranium-235	<0.6		pCi/liter		
Uranium-238	<0.6		pCi/liter		

Sample: 05A W-E Collected:
Job: RAD_WQ Environmental & Wet Chem

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Cesium-137	<2		pCi/liter		
Fluoride	0.050	0.01	mg/liter	07/24/90	KR
Gamma Spectral Analysis	ND		pCi/liter		
Gross Alpha	<2	2	pCi/liter		



Order # 90-07-397
09/13/90 15:15

Controls for Environmental

Page 6

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Gross Beta	<3	3	pCi/liter		
Nitrogen, Nitrate (as N)	<0.1	0.1	mg/liter	07/27/90	MG
Radium-226	<0.6	0.6	pCi/liter		
Radium-228	<1	1	pCi/liter		
Specific Conductance	42	0.2	units	07/24/90	MW
Strontium-90	<0.5		pCi/liter		
Technetium-99	<5		pCi/liter		
Thorium-228	<0.6		pCi/liter		
Thorium-230	<0.6		pCi/liter		
Thorium-232	<0.6		pCi/liter		
Uranium-234	<0.6		pCi/liter		
Uranium-235	<0.6		pCi/liter		
Uranium-238	<0.6		pCi/liter		

Sample: 06A W-3

Collected:

Job: RAD_WG Environmental & Wet Chem

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Cesium-137	<2		pCi/liter		
Fluoride	0.18	0.01	mg/liter	07/24/90	KR
Gamma Spectral Analysis	ND		pCi/liter		
Gross Alpha	5+/-2	2	pCi/liter		
Gross Beta	4+/-2	3	pCi/liter		
Nitrogen, Nitrate (as N)	0.6	0.1	mg/liter	07/27/90	MG
Radium-226	<0.6	0.6	pCi/liter		
Radium-228	<1	1	pCi/liter		
Specific Conductance	52	0.2	units	07/24/90	MW
Strontium-90	0.9+/-0.8		pCi/liter		
Technetium-99	<5		pCi/liter		
Thorium-228	1.2+/-0.5		pCi/liter		
Thorium-230	<0.6		pCi/liter		
Thorium-232	1.0+/-0.5		pCi/liter		
Uranium-234	<0.6		pCi/liter		
Uranium-235	<0.6		pCi/liter		



Order # 90-07-397
 09/13/90 15:15

Controls for Environmental

Page 7

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Uranium-238	<0.6		pCi/liter		

Sample: 07A W-6 Collected:
 Job: RAD_WG Environmental & Wet Chem

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Cesium-137	<2		pCi/liter		
Fluoride	0.049	0.01	mg/liter	07/24/90	KR
Gamma Spectral Analysis	ND		pCi/liter		
Gross Alpha	<2	2	pCi/liter		
Gross Beta	7+/-2	3	pCi/liter		
Nitrogen, Nitrate (as N)	0.2	0.1	mg/liter	07/27/90	MG
Radium-226	<0.6	0.6	pCi/liter		
Radium-228	<1	1	pCi/liter		
Specific Conductance	42	0.2	units	07/24/90	MW
Strontium-90	<0.5		pCi/liter		
Technetium-99	<5		pCi/liter		
Thorium-228	<0.6		pCi/liter		
Thorium-230	<0.6		pCi/liter		
Thorium-232	<0.6		pCi/liter		
Uranium-234	<0.6		pCi/liter		
Uranium-235	<0.6		pCi/liter		
Uranium-238	<0.6		pCi/liter		



Order # 90-07-354

Controls for Environmental

Page 8

09/04/90 14:52

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analysed</u>	<u>By</u>
Gross Beta	5+/-3	3	pCi/liter		
Nitrogen, Nitrate (as N)	1.0	0.1	mg/liter	07/26/90	MG
Radium-226	<0.6	0.6	pCi/liter		
Radium-228	<1	1	pCi/liter		
Specific Conductance	83	0.2	units	07/24/90	MW
Strontium-90	<0.5		pCi/liter		
Technetium-99	5+/-1		pCi/liter		
Thorium-228	<0.6		pCi/liter		
Thorium-230	<0.6		pCi/liter		
Thorium-232	<0.6		pCi/liter		
Uranium-234	<0.6		pCi/liter		
Uranium-235	<0.6		pCi/liter		
Uranium-238	<0.6		pCi/liter		



Controls for Environmental
Pollution, Inc.
P.O. Box 5351
Santa Fe, NM 87502
Attn: James J. Mueller
Phone: (505) 982-9041

United Nuclear Corporation
149 Narragansett Trail
Charlestown, RI 02813

Attn: Karl A. Helgeson

Order #: 90-07-311
Date: 09/07/90 15:03
Work ID: Environmental & W.G.
Date Received: 07/17/90
Date Completed: 09/07/90

Purchase Order: RS-21422 CN 13
Invoice Number:

ND - No man-made nuclides detected.

SAMPLE IDENTIFICATION

Sample Number	Sample Description	Sample Number	Sample Description
01	77-B	02	77-D
03	T-5	04	T-6
05	T-8	06	T-9
07	W-8	08	W-8



Controls for Environmental Protection, Inc.

P.O. BOX 5351 • Santa Fe, New Mexico 87505

OUT OF STATE 800/545-2188 • FAX - 505-982-9189

Order # 90-07-311

09/07/90 15:03

Controls for Environmental

Page 2

Remainder of sample(s) for routine analysis will be disposed of three weeks from final report date. Sample(s) for bacteria analysis only, will be disposed of immediately after analysis. This is not applicable if other arrangements have been made.

Certified By



Order # 90-07-311

Controls for Environmental

Page 3

09/07/90 15:03

TEST RESULTS BY SAMPLE

Sample: 01A 77-B Collected
Job: RAD_WG Environmental & Wet Chem

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Cesium-137	<2		pCi/liter		
Fluoride	0.030	0.01	mg/liter	07/24/90	KR
Gamma Spectral Analysis	ND		pCi/liter		
Gross Alpha	<2	2	pCi/liter		
Gross Beta	76 +/- 5	3	pCi/liter		
Nitrogen, Nitrate (as N)	153.1	0.1	mg/liter	07/26/90	MG
Radium-226	<0.6	0.6	pCi/liter		
Radium-228	2 +/- 1	1	pCi/liter		
Specific Conductance	1354	0.2	units	07/24/90	MW
Strontium-90	6.9 +/- 2.2		pCi/liter		
Technetium-99	5 +/- 1		pCi/liter		
Thorium-228	<0.6		pCi/liter		
Thorium-230	<0.6		pCi/liter		
Thorium-232	<0.6		pCi/liter		
Uranium-234	<0.6		pCi/liter		
Uranium-235	<0.6		pCi/liter		
Uranium-238	<0.6		pCi/liter		

Sample: 02A 77-D Collected
Job: RAD_WG Environmental & Wet Chem

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Cesium-137	<2		pCi/liter		
Fluoride	0.086	0.01	mg/liter	07/24/90	KR
Gamma Spectral Analysis	ND		pCi/liter		
Gross Alpha	<2	2	pCi/liter		



Order # 90-07-311
09/07/90 15:03

Controls for Environmental

Page 4

Test Description	Result	Limit	Units	Analyzed	By
Gross Beta	17+/-3	3	pCi/liter		
Nitrogen, Nitrate (as N)	2.0	0.1	mg/liter	07/26/90	MG
Radium-226	<0.6	0.6	pCi/liter		
Radium-228	<1	1	pCi/liter		
Specific Conductance	73	0.2	units	07/24/90	MW
Strontium-90	<0.5		pCi/liter		
Technetium-99	2+/-1		pCi/liter		
Thorium-228	0.9+/-0.3		pCi/liter		
Thorium-230	<0.6		pCi/liter		
Thorium-232	<0.6		pCi/liter		
Uranium-234	<0.6		pCi/liter		
Uranium-235	<0.6		pCi/liter		
Uranium-238	<0.6		pCi/liter		

Sample: 03A T-5 Collected:
Job: RAD_WQ Environmental & Wet Chem

Test Description	Result	Limit	Units	Analyzed	By
Cesium-137	<2		pCi/liter		
Fluoride	0.021	0.01	mg/liter	07/24/90	KR
Gamma Spectral Analysis	ND		pCi/liter		
Gross Alpha	<2	2	pCi/liter		
Gross Beta	<3	3	pCi/liter		
Nitrogen, Nitrate (as N)	0.8	0.1	mg/liter	07/26/90	MG
Radium-226	<0.6	0.6	pCi/liter		
Radium-228	<1	1	pCi/liter		
Specific Conductance	52	0.2	units	07/24/90	MW
Strontium-90	<0.5		pCi/liter		
Technetium-99	<1		pCi/liter		
Thorium-228	1.3+/-0.6		pCi/liter		
Thorium-230	<0.6		pCi/liter		
Thorium-232	<0.6		pCi/liter		
Uranium-234	<0.6		pCi/liter		
Uranium-235	<0.6		pCi/liter		



Order # 90-07-311
09/07/90 15:03

Controls for Environmental

Page 5

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Uranium-238	< 0.6		pCi/liter		

Sample: 04A T-6 Collected:
Job: RAD_WG Environmental & Wet Chem

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Cesium-137	< 2		pCi/liter		
Fluoride	0.084	0.01	mg/liter	07/24/90	KR
Gamma Spectral Analysis	ND		pCi/liter		
Gross Alpha	< 2	2	pCi/liter		
Gross Beta	5+/-3	3	pCi/liter		
Nitrogen, Nitrate (as N)	0.7	0.1	mg/liter	07/26/90	MG
Radium-226	< 0.6	0.6	pCi/liter		
Radium-228	< 1	1	pCi/liter		
Specific Conductance	73	0.2	units	07/24/90	MU
Strontium-90	< 0.5		pCi/liter		
Technetium-99	2+/-1		pCi/liter		
Thorium-228	< 0.6		pCi/liter		
Thorium-230	< 0.6		pCi/liter		
Thorium-232	< 0.6		pCi/liter		
Uranium-234	< 0.6		pCi/liter		
Uranium-235	< 0.6		pCi/liter		
Uranium-238	< 0.6		pCi/liter		

Sample: 05A T-6 Collected:
Job: RAD_WG Environmental & Wet Chem

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Cesium-137	< 2		pCi/liter		
Fluoride	0.028	0.01	mg/liter	07/24/90	KR
Gamma Spectral Analysis	ND		pCi/liter		
Gross Alpha	< 2	2	pCi/liter		



Order # 90-07-311

Controls for Environmental

Page 6

09/07/90 15:03

Test Description	Result	Limit	Units	Analyzed	By
Gross Beta	<3	3	pCi/liter		
Nitrogen, Nitrate (as N)	<0.1	0.1	mg/liter	07/26/90	MG
Radium-226	<0.6	0.6	pCi/liter		
Radium-228	<1	1	pCi/liter		
Specific Conductance	52	0.2	units	07/24/90	MW
Strontium-90	<0.5		pCi/liter		
Technetium-99	<1		pCi/liter		
Thorium-228	<0.6		pCi/liter		
Thorium-230	<0.6		pCi/liter		
Thorium-232	<0.6		pCi/liter		
Uranium-234	<0.6		pCi/liter		
Uranium-235	<0.6		pCi/liter		
Uranium-238	<0.6		pCi/liter		

Sample 06A T-9

Collected

Job: RAD_WQ Environmental & Wet Chem

Test Description	Result	Limit	Units	Analyzed	By
Cesium-137	<2		pCi/liter		
Fluoride	0.017	0.01	mg/liter	07/24/90	KR
Gamma Spectral Analysis	ND		pCi/liter		
Gross Alpha	<2	2	pCi/liter		
Gross Beta	6+/-3	3	pCi/liter		
Nitrogen, Nitrate (as N)	0.1	0.1	mg/liter	07/26/90	MG
Radium-226	<0.6	0.6	pCi/liter		
Radium-228	<1	1	pCi/liter		
Specific Conductance	57	0.2	units	07/24/90	MW
Strontium-90	<0.5		pCi/liter		
Technetium-99	<1		pCi/liter		
Thorium-228	<0.6		pCi/liter		
Thorium-230	<0.6		pCi/liter		
Thorium-232	<0.6		pCi/liter		
Uranium-234	<0.6		pCi/liter		
Uranium-235	<0.6		pCi/liter		



Order # 90-07-211
 09/07/90 15:03

Controls for Environmental

Page 7

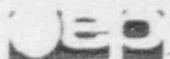
<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Uranium-238	<0.6		pCi/liter		

Sample: 07A W-0 Collected:
 Job: RAD_WG Environmental & Wet Chem

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Cesium-137	<2		pCi/liter		
Fluoride	0.15	0.01	mg/liter	07/24/90	RR
Gamma Spectral Analysis	ND		pCi/liter		
Gross Alpha	<2	2	pCi/liter		
Gross Beta	6+/-3	3	pCi/liter		
Nitrogen, Nitrate (as N)	0.8	0.1	mg/liter	07/25/90	MC
Radium-226	<0.6	0.6	pCi/liter		
Radium-228	<1	1	pCi/liter		
Specific Conductance	52	0.2	units	07/24/90	MW
Strontium-90	<0.5		pCi/liter		
Technetium-99	<1		pCi/liter		
Thorium-228	<0.6		pCi/liter		
Thorium-230	<0.6		pCi/liter		
Thorium-232	<0.6		pCi/liter		
Uranium-234	<0.6		pCi/liter		
Uranium-235	<0.6		pCi/liter		
Uranium-238	<0.6		pCi/liter		

Sample: 08A W-B Collected:
 Job: RAD_WG Environmental & Wet Chem

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Cesium-137	<2		pCi/liter		
Fluoride	0.23	0.01	mg/liter	07/24/90	RR
Gamma Spectral Analysis	ND		pCi/liter		
Gross Alpha	<2	2	pCi/liter		



Order # 90-07-311

Controls for Environmental

Page 2

09/07/90 15.03

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Gross Beta	216+/-9	3	pCi/liter		
Nitrogen, Nitrate (as N)	0.5	0.1	mg/liter	07/26/90	MG
Radium-226	<0.6	0.6	pCi/liter		
Radium-228	<1	1	pCi/liter		
Specific Conductance	52	0.2	units	07/24/90	MW
Strontium-90	<0.5		pCi/liter		
Technetium-99	<1		pCi/liter		
Thorium-228	1.2+/-0.7		pCi/liter		
Thorium-230	<0.6		pCi/liter		
Thorium-232	1.1+/-0.7		pCi/liter		
Uranium-234	<0.6		pCi/liter		
Uranium-235	<0.6		pCi/liter		
Uranium-238	<0.6		pCi/liter		

70-820



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555

February 7, 1991

The enclosed ground water data was received
from Robert Gregg for UNC Recovery Systems,
Docket 70-820.

130030

NF04
~~NC18~~