



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

January 25, 1991

To: Merri Horn

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



9102070434 910125
PDR ADDCK 07000920
C PDR

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50070

PDR/LPDR

NF04



Controls for Environmental Pollution, Inc.

P.O. BOX 5351 • Santa Fe, New Mexico 87502 OUT OF STATE 800/545-2188 • FAX - 505-982-9289

IN STATE 505/982-9641

Controls for Environmental
Pollution, Inc

P.O. Box 5351

Santa Fe, NM 87502

Attn: James J. Mueller

Phone: (505) 982-9641

United Nuclear Corporation
67 Sandy Desert Road
Uncasville, CT 06382

Attn: R. J. Gregg

Purchase Order: B117793

Invoice Number:

Order #: 90-10-256
Date: 11/27/90 14:45
Work ID: Environmental & W.G
Date Received: 10/10/90
Date Completed: 11/27/90

Original and a carbon copy to Don Luster.
ND - No man-made nuclides detected.

SAMPLE IDENTIFICATION

Sample Number	Sample Description
01	P-W
03	T-3
05	W-5
07	W-7
09	W-10

Sample Number	Sample Description
02	T-2
04	T-7
06	W-6
08	W-8
10	W-E



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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.


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TEST RESULTS BY SAMPLE

Sample: 01A P-W

Collected: 10/03/90

Job: RAD_WG Radchem & Water Quality

<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	0.71	0.01	mg/liter	10/23/90	CAC
Gamma Spectral Analysis	ND		pCi/liter		
Gross Alpha	<2	2	pCi/liter		
Gross Beta	3+/-2	3	pCi/liter		
Nitrogen, Nitrate (as N)	<0.1	0.1	mg/liter	10/16/90	CAC
Radium-226	<0.6	0.6	pCi/liter		
Radium-228	<1	1	pCi/liter		
Specific Conductance	45.4	0.2	units	10/23/90	JA
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: 02A T-2

Collected: 10/03/90

Job: RAD_WG Radchem & Water Quality

<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	10/23/90	CAC
Gamma Spectral Analysis	ND		pCi/liter		
Gross Alpha	<2	2	pCi/liter		

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<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	10/16/90	CAC
Radium-226	<0.6	0.6	pCi/liter		
Radium-228	<1	1	pCi/liter		
Specific Conductance	56.7	0.2	units	10/23/90	JA
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	2.3+/-0.9		pCi/liter		
Uranium-235	<0.6		pCi/liter		
Uranium-238	1.2+/-0.6		pCi/liter		

Sample: 03A T-3

Collected: 10/03/90

Job: RAD_WQ Radchem & Water Quality

<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	0.71	0.01	mg/liter	10/23/90	CAC
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	10/16/90	CAC
Radium-226	<0.6	0.6	pCi/liter		
Radium-228	<1	1	pCi/liter		
Specific Conductance	56.7	0.2	units	10/23/90	JA
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	1.6+/-0.9		pCi/liter		
Uranium-235	<0.6		pCi/liter		



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<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Uranium-238	1.3+/-1.0		pCi/liter		

Sample: 04A T-7 Collected: 10/03/90
Job: RAD_WQ Radchem & Water Quality

<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	10/23/90	CAC
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	10/18/90	CAC
Radium-226	<0.6	0.6	pCi/liter		
Radium-228	<1	1	pCi/liter		
Specific Conductance	51.1	0.2	units	10/23/90	JA
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: 05A W-5 Collected: 10/03/90
Job: RAD_WQ Radchem & Water Quality

<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	10/23/90	CAC
Gamma Spectral Analysis	ND		pCi/liter		
Gross Alpha	<2	2	pCi/liter		

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<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Gross Beta	3+/-2	3	pCi/liter		
Nitrogen, Nitrate (as N)	0.1	0.1	mg/liter	10/16/90	CAC
Radium-226	<0.6	0.6	pCi/liter		
Radium-228	<1	1	pCi/liter		
Specific Conductance	45.4	0.2	units	10/23/90	JA
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-6

Collected: 10/03/90

Job: RAD_WG Radchem & Water Quality

<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	10/23/90	CAC
Gamma Spectral Analysis	ND		pCi/liter		
Gross Alpha	<2	2	pCi/liter		
Gross Beta	4+/-3	3	pCi/liter		
Nitrogen, Nitrate (as N)	<0.1	0.1	mg/liter	10/16/90	CAC
Radium-226	<0.6	0.6	pCi/liter		
Radium-228	<1	1	pCi/liter		
Specific Conductance	45.4	0.2	units	10/23/90	JA
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		



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

Sample: 07A W-7
Job: RAD_WG Radchem & Water Quality

Collected: 10/03/90

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analysed</u>	<u>By</u>
Cesium-137	<2		pCi/liter		
Fluoride	0.03	0.01	mg/liter	10/23/90	CAC
Gamma Spectral Analysis	ND		pCi/liter		
Gross Alpha	<2	2	pCi/liter		
Gross Beta	4+/-3	3	pCi/liter		
Nitrogen, Nitrate (as N)	0.1	0.1	mg/liter	10/16/90	CAC
Radium-226	<0.6	0.6	pCi/liter		
Radium-228	<1	1	pCi/liter		
Specific Conductance	56.7	0.2	units	10/23/90	JA
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: 08A W-8
Job: RAD_WG Radchem & Water Quality

Collected: 10/03/90

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analysed</u>	<u>By</u>
Cesium-137	<2		iter		
Fluoride	0.31	0.01	er	10/23/90	CAC
Gamma Spectral Analysis	ND				
Gross Alpha	<2				



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Test Description	Result	Limit	Units	Analyzed	By
Gross Beta	3+/-2	3	pCi/liter		
Nitrogen, Nitrate (as N)	0.5	0.1	mg/liter	10/16/90	CAC
Radium-226	<0.6	0.6	pCi/liter		
Radium-228	<1	1	pCi/liter		
Specific Conductance	79.4	0.2	units	10/23/90	JA
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: 09A W-10

Collected: 10/03/90

Job: RAD_WQ Radchem & Water Quality

Test Description	Result	Limit	Units	Analyzed	By
Cesium-137	<2		pCi/liter		
Fluoride	0.04	0.01	mg/liter	10/23/90	CAC
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	10/16/90	CAC
Radium-226	<0.6	0.6	pCi/liter		
Radium-228	<1	1	pCi/liter		
Specific Conductance	43.1	0.2	units	10/23/90	JA
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		



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<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: 10A W-E
Job: RAD_WG Radchem & Water Quality

Collected: 10/03/90

<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	10/23/90	CAC
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	10/16/90	CAC
Radium-226	<0.6	0.6	pCi/liter		
Radium-228	<1	1	pCi/liter		
Specific Conductance	36.3	0.2	units	10/23/90	JA
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		



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me J. Keller

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P.O. Box 5351

Santa Fe, NM 87502

Attn: James J. Mueller

Phone: (505) 982-9841

United Nuclear Corporation
67 Sandy Desert Road
Uncasville, CT 06382

Attn: Robert J. Gregg

Purchase Order: B117793

Invoice Number:

Order #: 90-09-293

Date: 10/26/90 15:53

Work ID: Environmental & W.G.

Date Received: 09/17/90

Date Completed: 10/26/90

Original and a carbon copy to Don Luster.
ND - No man-made nuclides detected.

SAMPLE IDENTIFICATION

<u>Sample Number</u>	<u>Sample Description</u>
01	D-H-1
03	T-5
05	T-8
07	77-B

<u>Sample Number</u>	<u>Sample Description</u>
02	T-4
04	T-6
06	76-U
08	77-D



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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.



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TEST RESULTS BY SAMPLE

Sample: 01A D-H-1

Collected: 09/06/90

<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	0.07	0.01	mg/liter	09/20/90	CAC
Gamma Spectral Analysis	ND		pCi/liter		
Gross Alpha	<2	2	Ci/liter		
Gross Beta	<3	3	pCi/liter	10/09/90	
Nitrogen, Nitrate (as N)	0.1	0.1	mg/liter	09/26/90	CAC
Radium-226	<0.6	0.6	pCi/liter		
Radium-228	<1	1	pCi/liter		
Specific Conductance	270	0.2	units	09/27/90	JA
Strontium-90	<0.5		pCi/liter		
Technetium-99	9+/-6		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: 09/06/90

<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	09/20/90	CAC
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	09/26/90	CAC



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<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Radium-226	<0.6	0.6	pCi/liter		
Radium-228	<1	1	pCi/liter		
Specific Conductance	73.4	0.2	units	09/27/90	JA
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: OGA T-5

Collected: 09/06/90

<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	0.09	0.01	mg/liter	09/20/90	CAC
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	09/26/90	CAC
Radium-226	<0.6	0.6	pCi/liter		
Radium-228	<1	1	pCi/liter		
Specific Conductance	54.0	0.2	units	09/27/90	JA
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		



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Sample: 04A T-6

Collected: 09/06/90

<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	09/20/90	CAC
Gamma Spectral Analysis	ND		pCi/liter		
Gross Alpha	<2	2	pCi/liter		
Gross Beta	12+/-4	3	pCi/liter		
Nitrogen, Nitrate (as N)	0.2	0.1	mg/liter	09/26/90	CAC
Radium-226	<0.6	0.6	pCi/liter		
Radium-228	<1	1	pCi/liter		
Specific Conductance	75.6	0.2	units	09/27/90	JA
Strontium-90	<0.5		pCi/liter		
Technetium-99	<3		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-8

Collected: 09/06/90

<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	09/20/90	CAC
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	09/26/90	CAC
Radium-226	<0.6	0.6	pCi/liter		
Radium-228	<1	1	pCi/liter		



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<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Specific Conductance	43.2	0.2	units	09/27/90	JA
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 76-U

Collected: 09/06/90

<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	09/20/90	CAC
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	09/26/90	CAC
Radium-226	<0.6	0.6	pCi/liter		
Radium-228	<1	1	pCi/liter		
Specific Conductance	86.4	0.2	units	09/27/90	JA
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		



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Sample: 07A 77-B

Collected: 09/06/90

<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	09/20/90	CAC
Gamma Spectral Analysis	ND		pCi/liter		
Gross Alpha	<2	2	pCi/liter		
Gross Beta	92+/-7	3	pCi/liter		
Nitrogen, Nitrate (as N)	21.0	0.1	mg/liter	09/26/90	CAC
Radium-226	0.7+/-0.4	0.6	pCi/liter		
Radium-228	2+/-1	1	pCi/liter		
Specific Conductance	1190	0.2	units	09/27/90	JA
Strontium-90	4.3+/-0.8		pCi/liter		
Technetium-99	13+/-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: 08A 77-D

Collected: 09/06/90

<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	0.09	0.01	mg/liter	09/20/90	CAC
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	09/26/90	CAC
Radium-226	<0.6	0.6	pCi/liter		
Radium-228	2+/-1	1	pCi/liter		



Controls for Environmental Pollution, Inc.

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<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Specific Conductance	59.4	0.2	units	09/27/90	JA
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		



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TEL 505-982-9841

cc: S. Retner

Controls for Environmental
Pollution, Inc.

P. O. Box 5351

Santa Fe, NM 87502

Attn: James J. Mueller

Phone: (505) 982-9841

FRO

United Nuclear Corporation
67 Sandy Desert Road
Uncasville, CT 06382

Attn: R. J. Gregg

Purchase Order: B117793

Invoice Number:

Order #: 90-09-309

Date: 11/01/90 16:12

Work ID: Environmental & W.G.

Date Received: 09/18/90

Date Completed: 11/01/90

Original and a carbon copy to Don Luster.

SAMPLE IDENTIFICATION

Sample Number	Sample Description	Sample Number	Sample Description
01	W-B	02	W-D
03	W-3	04	W-9
05	W-12	06	T-1



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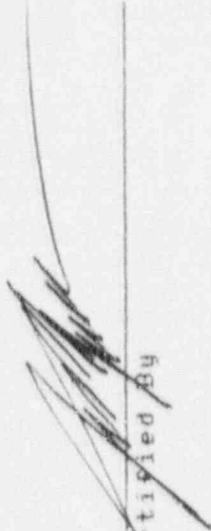
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Remainder of sample(s) for routine analysis will be disposed of three weeks from final report date. Sample(s) for bacteria analysis only, will be disposed of immediately after analysis. This is not applicable if other arrangements have been made.



Certified By



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TEST RESULTS BY SAMPLE

Sample: 01A W-B

Collected: 09/07/90

<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	0.3	0.01	mg/liter	09/20/90	CAC
Gamma Spectral Analysis	ND		pCi/liter		
Gross Alpha	5+/-2	2	pCi/liter		
Gross Beta	<3	3	pCi/liter		
Nitrogen, Nitrate (as N)	<0.1	0.1	mg/liter	09/20/90	CAC
Radium-226	<0.6	0.6	pCi/liter		
Radium-228	3+/-1	1	pCi/liter		
Specific Conductance	54.0	0.2	units	09/27/90	JA
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: 02A W-D

Collected: 09/07/90

<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	<0.01	0.01	mg/liter	09/20/90	CAC
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	09/20/90	CAC

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<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Radium-226	<0.6	0.6	pCi/liter		
Radium-228	<1	1	pCi/liter		
Specific Conductance	43.2	0.2	units	09/27/90	JA
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: 03A W-3

Collected: 09/07/90

<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	0.14	0.01	mg/liter	09/20/90	CAC
Gamma Spectral Analysis	ND		pCi/liter		
Gross Alpha	7+/-2	2	pCi/liter		
Gross Beta	10+/-3	3	pCi/liter		
Nitrogen, Nitrate (as N)	0.3	0.1	mg/liter	09/20/90	CAC
Radium-226	<0.6	0.6	pCi/liter		
Radium-228	3+/-1	1	pCi/liter		
Specific Conductance	64.8	0.2	units	09/27/90	JA
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		



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Sample: 04A W-9

Collected: 09/06/90

Test Description	Result	Limit	Units	Analyzed	By
Cesium-137	<2		pCi/liter		
Fluoride	0.25	0.01	mg/liter	09/20/90	CAC
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	09/20/90	CAC
Radium-226	<0.6	0.6	pCi/liter		
Radium-228	<1	1	pCi/liter		
Specific Conductance	43.2	0.2	units	09/27/90	JA
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: 05A W-12

Collected: 09/07/90

Test Description	Result	Limit	Units	Analyzed	By
Cesium-137	<2		pCi/liter		
Fluoride	0.04	0.01	mg/liter	09/20/90	CAC
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	09/20/90	CAC
Radium-226	<0.6	0.6	pCi/liter		
Radium-228	<1	1	pCi/liter		



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<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Specific Conductance	64.8	0.2	units	09/27/90	JA
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 T-1

Collected:

<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	0.01	0.01	mg/liter	09/20/90	CAC
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	09/20/90	CAC
Radium-226	<0.6	0.6	pCi/liter		
Radium-228	<1	1	pCi/liter		
Specific Conductance	43.2	0.2	units	09/27/90	JA
Strontium-90	<0.5		pCi/liter		
Technetium-99	<5		pCi/liter		
Thorium-228	0.8 +/- 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		