Duke Power Company
Electric System Support
13339 Hagers Ferry Road
Huntersville, NC 28078-7929

DUKE POWER

November 19, 1996

Mr. Van Keisler
S.C. Department of Health and Environmental Control
Bureau of Solid and Hazardous Waste Management
Division of Hydrogeology- Solid Waste Section
2600 Bull Street
Columbia, South Carolina 29201

Subject: Catawba Nuclear Station - York County, S.C.
Industrial Landfill Permit # 463303-1601
File: CN-705.05
Certified: P 576 350 879

Dear Mr. Keisler:

Attached please find the semi-annual groundwater monitoring report for Catawba Nuclear Station's Landfill #463303-1601. All monitoring results from the October 7, 1996, sampling event met the South Carolina State groundwater standards. This data indicates that the groundwater quality has not been adversely impacted by the landfill operations.

The next scheduled groundwater sampling event for this landfill is April, 1997. Should you have questions or comments regarding this report please contact me at (704) 875-5965.

Sincerely,

John Estridge

John Estridge, Engineer
Environmental Division, Water Protection

jte/559

Attachment
cc: Catawba District Hydrogeologist
CNS NRC Document Distribution List
Mr. Virgil Autry - SCDHEC Division of Radioactive Waste Management

IE25

DUKE POWER COMPANY
GROUND WATER MONITORING REPORT

November 4, 1996
Table 1

Facility: Catawba Nuclear Station Landfill
Sample Date: October 7, 1996 (Radiological Data)

Parameter	Units	Parameter Codes	Monitoring Well Identification			
			LMW-1A	LMW-2	LMW-3	LMW-4
Lab Certificate No.		00008	99005	99005	99005	99005
Field pH	Std. Units	00400	6.0	6.3	6.2	6.2
Field Spec. Conductance	umhos/cm	00095	106	108	98	103
Ba-La-140	pCi/l	GS*	<5.815	<4.471	<4.756	<5.783
BE-7	pCi/l	GS*	<37.29	<40.04	<35.09	<34.69
CO-58	pCi/l	29893	<3.910	<4.235	<3.568	<4.201
CO-60	pCi/l	29601	<3.757	<5.134	<4.623	<4.609
CS-134	pCi/l	28414	<4.006	<4.466	<3.907	<4.156
CS-137	pCi/l	28401	<3.540	<4.732	<4.192	<4.161
FE-59	pCi/l	07064	<6.813	<8.631	<6.746	<7.616
I-131	pCi/l	29916	<4.550	<5.516	<4.775	<4.867
K-40	pCi/l	75038	112	<63.74	161	147
MN-54	pCi/l	29501	<3.454	<5.278	<4.135	<4.339
NB-95	pCi/l	GS*	<4.880	<4.538	<4.594	<4.710
Tritium	pCi/l		<96.4	<-26.0	444	<199
ZN-65	pCi/l	29301	<8.541	<9.969	<9.594	<9.509
ZR-95	pCi/l	GS*	<7.291	<7.011	<7.155	<7.231

*Gamma Spectroscopy (GS) - Parameter Codes not identified at this time.

Authorized Release By: _____ Date: 11-05-96

DUKE POWER COMPANY
GROUND WATER MONITORING REPORT

November 4, 1996
Table 1

Facility: Catawba Nuclear Station Landfill
Sample Date:October 7, 1996 (Radiological Data)

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I-131	pCi/l	29916	<4.550	<5.516	<4.775	<4.867
K-40	pCi/l	75038	112	<63.74	161	147
MN-54	pCi/l	29501	<3.454	<5.278	<4.135	<4.339
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ZR-95	pCi/l	GS*	<7.291	<7.011	<7.155	<7.231

*Gamma Spectroscopy (GS) - Parameter Codes not identified at this time.

Authorized Release By: Frank O'Sentini Date: 11-05-96

DUKE POWER COMPANY
GROUND WATER MONITORING REPORT

November 4, 1996
Table 1

Facility: Catawba Nuclear Station Landfill
Sample Date:October 7, 1996 (Radiological Data)

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CS-137	pCi/l	28401	<3.540	<4.732	<4.192	<4.161
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ZR-95	pCi/l	GS*	<7.291	<7.011	<7.155	<7.231

*Gamma Spectroscopy (GS) - Parameter Codes not identified at this time.

Authorized Release By: [signature] **Date:** 11·05·96

DUKE POWER COMPANY
GROUND-WATER MONITORING REPORT

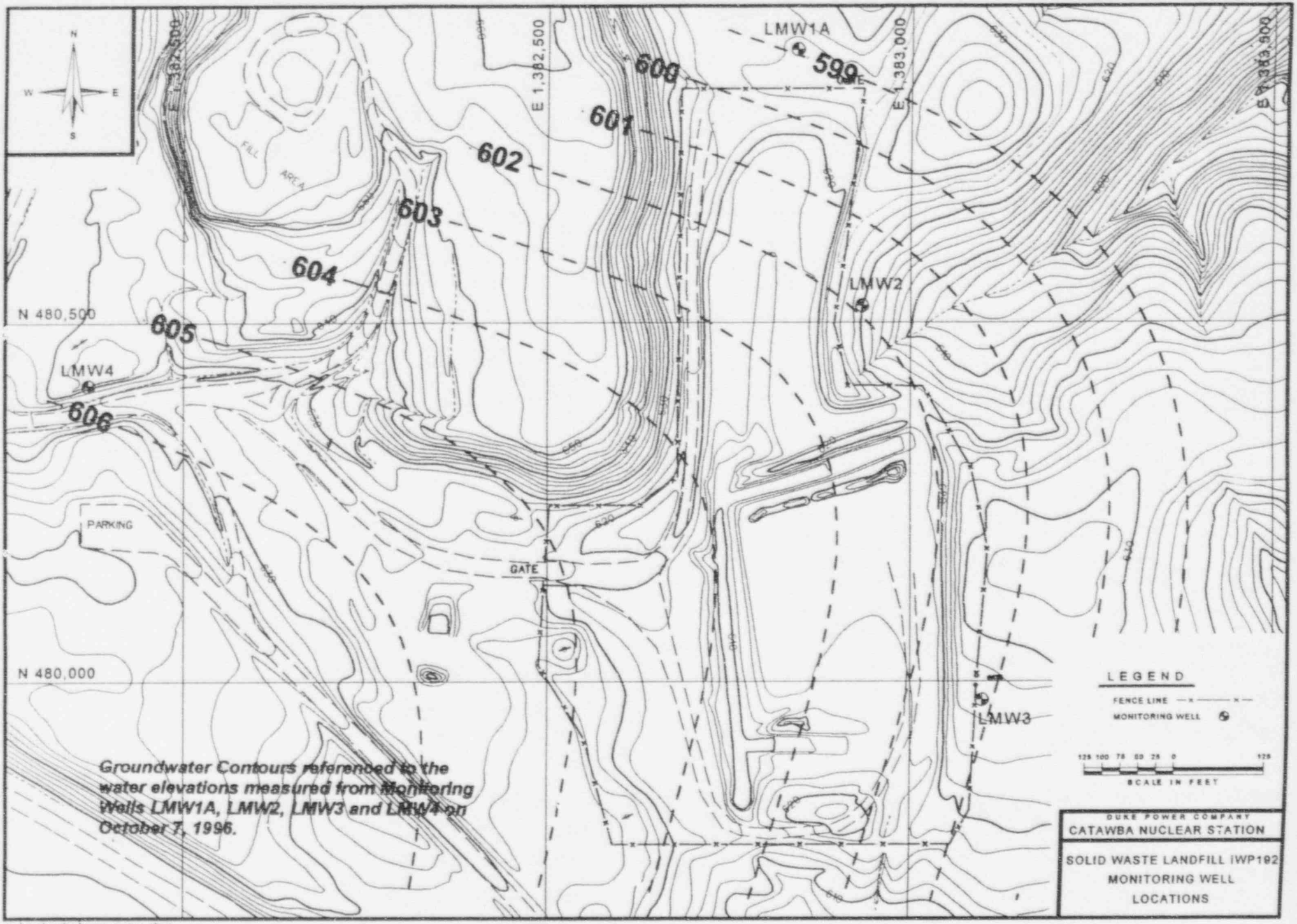
November 5, 1996
Table 1

Facility: Catawba Nuclear Station Industrial Waste Landfill - Permit No.463303-1601
Sample Date: October 7, 1996 (GEOCHEMISTRY DATA)

Parameter	Units	Storet Number	Monitoring Well Identification				FIELD BLANK	SC R.61-58 MCL
			LMW-1A	LMW-2	LMW-3	LMW-4		
Lab Certificate No.		00008	99005	99005	99005	99005	99005	
Top of Well Casing	msl-feet		628.33	625.35	630.34	630.36		
Depth to Water	feet		29.67	23.63	29.50	24.27		
Water Elevation (0.01')	msl-feet	82545	598.66	601.72	600.85	606.09		
Well Depth	feet		37.00	33.70	35.00	37.10		
Field Spec. Conductance	umho/cm	00095	106	108	98	103		
Field pH	Std. Units	00400	6.0	6.3	6.2	6.2		**6.5-8.5***
Lab pH	Std. Units	00403	6.0	6.2	6.2	6.1	5.9	**6.5-8.5***
Chloride	mg/l	00940	4.8	8.9	11	6.4	<1.0	**250***
NO3	mg/l	00630	<0.05	0.55	<0.05	<0.05	<0.05	**10.0**
Sulfate	mg/l	00945	<1.0	<1.0	2.6	<1.0	<1.0	**250***
TOC	mg/l	00680	0.43	0.56	0.50	0.48	<0.1	

* **SC R.61-58.5(O) Secondary Maximum Contaminant Level (MCL) for drinking water as reference only.**

Authorized Release By: Gerald A. Santini **Date:** 11-5-96



c: \catawba\cns-mwsw.dgn

Form 35489 (R12-88)

FIELD SAMPLING CALIBRATION DATA FORM

Study CNS LANDFILL

Date 10-7-96 Weather Conditions cloud., cool

Collectors GLF, RAS Surface Unit Reader

Equipment: Surface Unit # 23469 Transmitter #

Cable# Battery #

Other Equipment

Procedure Number 3210 Water Quality Analyzer H20 #23473

Calibration Time Time 0840 Time 1315 Time

Variable	Calib	Initial Value		Adjust To	Initial Value		Adjust To	Initial Value		Adjust To
Temp (°C)		15 35	-->	15 4	14 48	-/->	15 2		-->	
			-->			-->			-->	
Therm # ECCHM3L3a			-->			-->			-->	
DO (mg/1)	W									
	W									
	W									
	AW		-->			-->			-->	
	B		-->			-->			-->	
pH (units)	B	7 03	-->	7 00	7 05	-/->	7 00		-->	7 00
	B	3 97	-->	4 00	4 02	-/->	4 00		-->	4 00
	B		-->	10 00		-->	10 00		-->	10 00
SP Cond (umho/cm)	SS	75 7	-->	75 0	75 4	-/->	75.0		-->	
	SS		-->			-->			-->	
	SS		-->			-->			-->	
Orp (mv)	SS		-->			-->			-->	
	SS		-->			-->			-->	

KEY: B = Buffer; SS = Standard Solution; --> = Adjusted To; W = Winkler; AW = Average Winkler; -/-> = Not Adjusted To; NA = Not Applicable

DUKE POWER COMPANY
GROUNDWATER MONITORING DATA SHEET

LOCATION:	CNS LANDFILL #1		
PROCEDURE NUMBER:	3500		
SAMPLING DATE:	10-7-96	FIELD CREW	GLF, RAS

MONITORING WELL NUMBER: LMW-1A

WATER LEVEL METER #: QED

TIME SAMPLE COLLECTED: 0915

WELL VOLUME CALCULATION

WELL DIAMETER (INCHES)	WELL DEPTH (FEET)		WATER LEVEL (FEET)		WATER COLUMN (FEET)		3.14 x r^2		VOLUME (FT^3)
2"	37.00	-	29.67	=	7.33	X	0.0218	=	0.1598
4"		-		=		X	0.0873	=	

LITERS PER WELL VOLUME REMOVED:

WELL VOLUME	LITERS TO REMOVE: (FT^3 x 28.32 l/FT^3)	
	2" WELL	4" WELL
1	4.5	
5		
10		
20		

ODORS DETECTED:		FREE PRODUCT MEASUREMENT:	
TYPE:		METHOD:	
STRONG:		THICKNESS:	
MINOR:		OTHER:	
NONE:			

WATER LEVEL (FEET)	METHOD (P=PUMP) (B=BAIL)	VOLUME (LITERS)	EVACUATED VOLUME (LITERS)		pH (SU)	TEMP (deg C)	SPECIFIC CONDUCT. (umho/cm)		COMPLETE EVACUATION (Y/N)
29.67	P	5	5		5.80	15.73	110		N
N/A		5	10		5.88	15.77	106		N
		5	10		5.97	15.69	105		N
		5	10		6.00	15.70	106		N
		SAMPLED		1058					

COMMENTS: WATER LEVEL AND WELL DEPTH REFERENCED TO TOP OF PVC WELL CASING.

REFERENCE TAPE LEVEL: QED SUBMERGENCE DEPTH READING: 2.63

REFERENCE DIGITAL LEVEL:

REFERENCE PROBE DEPTH: 32.30

- 2.63

29.67

DUKE POWER COMPANY
GROUNDWATER MONITORING DATA SHEET

LOCATION:	CNS LANDFILL #1		
PROCEDURE NUMBER:	3500		
SAMPLING DATE:	10-7-96	FIELD CREW	GLF, RAS

MONITORING WELL NUMBER: LMW-2

WATER LEVEL METER #: QED

TIME SAMPLE COLLECTED: 1045

WELL VOLUME CALCULATION

WELL DIAMETER (INCHES)	WELL DEPTH (FEET)		WATER LEVEL (FEET)		WATER COLUMN (FEET)		3.14 x r^2		VOLUME (FT^3)
2"		-		=		X	0.0218	=	
4"	33.70	-	23.63	=	10.07	X	0.0873	=	0.8791

LITERS PER WELL VOLUME REMOVED:

WELL VOLUME	LITERS TO REMOVE: (FT^3 x 28.32 l/FT^3)	
	2" WELL	4" WELL
1	25	25
5		
10		
20		

ODORS DETECTED:		FREE PRODUCT MEASUREMENT:	
TYPE:		METHOD:	
STRONG:		THICKNESS:	
MINOR:		OTHER:	
NONE:			

WATER LEVEL (FEET)	METHOD (P=PUMP) (B=BAIL)	VOLUME (LITERS)	EVACUATED VOLUME (LITERS)		pH (SU)	TEMP (deg C)	SPECIFIC CONDUCT. (umho/cm)		COMPLETE EVACUATION (Y/N)
23.63	P	25	25		6.44	15.65	112		N
N/A		7	32		6.25	15.67	108		N
			SAMPLE COLLECTED						

COMMENTS: WATER LEVEL AND WELL DEPTH REFERENCED TO TOP OF PVC WELL CASING.

REFERENCE TAPE LEVEL: QED SUBMERGENCE DEPTH READING: 4.67

REFERENCE DIGITAL LEVEL:

REFERENCE PROBE DEPTH 28.30
-4.67
23.63

REPLACED WATER LEVEL PROBE CONNECTION AND FERREL ON AIR PROBE CONNECTION

DUKE POWER COMPANY
GROUNDWATER MONITORING DATA SHEET

LOCATION:	CNS LANDFILL #1		
PROCEDURE NUMBER:	3500		
SAMPLING DATE:	10-7-96	FIELD CREW	GLF, RAS

MONITORING WELL NUMBER: LMW-3

WATER LEVEL METER #: QED

TIME SAMPLE COLLECTED: 1140

WELL VOLUME CALCULATION

WELL DIAMETER (INCHES)	WELL DEPTH (FEET)		WATER LEVEL (FEET)		WATER COLUMN (FEET)		3.14 x r^2		VOLUME (FT^3)
2"		-		=		X		=	
4"	35.00	-	29.495	=	5.505	X	0.0873	=	0.4806
						X	0.0218	=	

LITERS PER WELL VOLUME REMOVED:

WELL VOLUME	LITERS TO REMOVE: (FT^3 x 28.32 l/FT^3)	
	2" WELL	4" WELL
1		13.6
5		
10		
20		

ODORS DETECTED:		FREE PRODUCT MEASUREMENT:	
TYPE:		METHOD:	
STRONG:		THICKNESS:	
MINOR:		OTHER:	
NONE:			

WATER LEVEL (FEET)	METHOD (P=PUMP) (B=BAIL)	VOLUME (LITERS)	EVACUATED VOLUME (LITERS)		pH (SU)	TEMP (deg C)	SPECIFIC CONDUCT. (umho/cm)		COMPLETE EVACUATION (Y/N)
29.495	P	11	11		6.20	16.15	98		Y
N/A		7	18		6.21	16.13	98		Y
		SAMPLED 1140							

COMMENTS: WATER LEVEL AND WELL DEPTH REFERENCED TO TOP OF PVC WELL CASING.

REFERENCE TAPE LEVEL: QED SUBMERGENCE DEPTH READING: 0.805

REFERENCE DIGITAL LEVEL: REFERENCE PROBE DEPTH: 30.30

- 0.805

29.495

DUKE POWER COMPANY
GROUNDWATER MONITORING DATA SHEET

LOCATION:	CNS LANDFILL #1		
PROCEDURE NUMBER:	3500		
SAMPLING DATE:	10-7-96	FIELD CREW	GLE, RAS

MONITORING WELL NUMBER: LMW-4

WATER LEVEL METER #: QED

TIME SAMPLE COLLECTED: 1312

WELL VOLUME CALCULATION

WELL DIAMETER (INCHES)	WELL DEPTH (FEET)		WATER LEVEL (FEET)		WATER COLUMN (FEET)		3.14 x r^2		VOLUME (FT^3)
2"		-		=		X		=	
4"	37.10	-	24.27	=	12.93	X	0.0218	=	
						X	0.0873	=	1.1201

LITERS PER WELL VOLUME REMOVED:

WELL VOLUME	LITERS TO REMOVE: (FT^3 x 28.32 l/FT^3)	
	2" WELL	4" WELL
1		32
5		
10		
20		

ODORS DETECTED:		FREE PRODUCT MEASUREMENT:	
TYPE:		METHOD:	
STRONG:		THICKNESS:	
MINOR:		OTHER:	
NONE:			

WATER LEVEL (FEET)	METHOD (P=PUMP) (B=BAIL)	VOLUME (LITERS)	EVACUATED VOLUME (LITERS)		pH (SU)	TEMP (deg C)	SPECIFIC CONDUCT. (umho/cm)		COMPLETE EVACUATION (Y/N)
24.27	P	32	32		6.21	15.94	104		N
N/A		32	64		6.14	16.00	103		N
		32	96		6.16	15.97	103		N
		SAMPLED							

COMMENTS: WATER LEVEL AND WELL DEPTH REFERENCED TO TOP OF PVC WELL CASING.

REFERENCE TAPE LEVEL: QED SUBMERGENCE DEPTH READING: 8.03

REFERENCE DIGITAL LEVEL: REFERENCE PROBE DEPTH: 32.30

-8.03

24.27

DUKE POWER COMPANY
Laboratory Services
MNS Bldg. # 7405 (MG03A1)
13339 Hagers Ferry Road
Huntersville, NC 28078

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST FORM *

Form 35226 (R10-93)

LS CLIENT CONTACT/PHONE[1]:
CLIENT[2]: 7330LANDFILL
Project Name[3]: CNS LANDFILL
Results to/Phone[4]: RAS/5229
Address and/or PROFS[5]:
Matrix (type of samples)/QC Level[6]:
SAM No.[7]: 9609258

ANALYSES REQUESTED by bottle type—MUST NOTE PRESERVATIVE[12] (may note special DL or Method)[13]

FRAC [8]	CHEMPLOT Number [9]	Sample Description or ID[10]	Collected using sampling instructions[11] Date	Time	Name	NO_3, Cl	Ca, Mg, K, Na ✓	Alk ✓	pH, SO_4	TOC	GeLi	Tritium					
		LMW-1A	10-7-96	0915	GLF	1	1	1	1	1	1	1					
		LMW-2	↓	1045	↓	1	1	1	1	1	1	1					
		LMW-3	↓	1140	↓	1	1	1	1	1	1	1					
		LMW-4	↓	1312	↓	1	1	1	1	1	1	1					
		FIELD BLANK	↓	1320	↓	1	1	1	1	1							
Total # of samples[15]:						5	5	5	5	5	4	4					

Sample Preserved ☑ Yes ☐ No [14]
Name: Georgine Franklin

Delivered by[16]: Georgine Franklin	Delivered by: Georgine Franklin	Delivered by:
Date/Time: 10-7-96/1605	Date/Time: 10-7-96/1615	Date/Time:
Received by: Vicki Oane	Received by: Troy Whisenant 10-7-96 1615	Received by:

Turnaround Requested[19]:
- ☐ Routine (3 weeks)
- ☐ Rush (2 weeks)
- ☐ Emergency Rush
- ☐ Date Results Requested

Comments[17]:

* See instructions on back of form.
[18] White, canary — LS Files Pink — Client Copy

Received: 10/07/96 10/28/96 14:41:01

REPORT CHEMICAL SCIENCES
TO RON SANTINI
ENVIRONMENTAL CHEMISTRY

PREPARED
BY LABORATORY SERVICES

Troy W. Grisenont
CERTIFIED BY

ATTEN RON SANTINI

ATTEN LABORATORY SUPPORT
PHONE 875-5209 CONTACT TLW

CLIENT N GW CNS SAMPLES 5
COMPANY DUKE POWER CMPANY
FACILITY ENVIRONMENTAL CHEMISTRY

pH DETERMINED PAST HOLDING TIME

WORK ID CNS LANDFILL #1
TAKEN 10/7/96
TRANS
TYPE CATAWBA GROUNDWATER
P.O. # 7330LANDFILL
INVOICE under separate cover

SAMPLE IDENTIFICATION

01 LMW-1A
02 LMW-2
03 LMW-3
04 LMW-4
05 LMW-FIELD BLANK

TEST CODES and NAMES used on this workorder

700 TC TOTAL ORGANIC CARBON
AA CL CHLORIDE
AA NO3 NITRATE(ONLY)
S PH PH VALUE
UV SO4 SULFATE UV-VIS

SAMPLE ID LMW-1A SAMPLE # 01 FRACTIONS: A
Date & Time Collected 10/07/96 09:15:00 Category

700_TC	AA_CL	AA_NO3	S_PH	UV_SO4
0.43	4.8	<0.05	6.00	<1.0
MG/L	MG/L	MG-N/L	UNITS	MG/L

SAMPLE ID LMW-2 SAMPLE # 02 FRACTIONS: A
Date & Time Collected 10/07/96 10:45:00 Category

700_TC	AA_CL	AA_NO3	S_PH	UV_SO4
0.56	8.9	0.55	6.21	<1.0
MG/L	MG/L	MG-N/L	UNITS	MG/L

SAMPLE ID LMW-3 SAMPLE # 03 FRACTIONS: A
Date & Time Collected 10/07/96 11:40:00 Category

700_TC	AA_CL	AA_NO3	S_PH	UV_SO4
0.50	11.1	<0.05	6.18	2.62
MG/L	MG/L	MG-N/L	UNITS	MG/L

SAMPLE ID LMW-4 SAMPLE # 04 FRACTIONS: A
Date & Time Collected 10/07/96 13:12:00 Category

700_TC	AA_CL	AA_NO3	S_PH	UV_SO4
0.48	6.4	<0.05	6.07	<1.0
MG/L	MG/L	MG-N/L	UNITS	MG/L

SAMPLE ID LMW-FIELD BLANK SAMPLE # 05 FRACTIONS: A
Date & Time Collected 10/07/96 13:20:00 Category

700_TC	AA_CL	AA_NO3	S_PH	UV_SO4
<0.1	< 1.0	<0.05	5.86	<1.0
MG/L	MG/L	MG-N/L	UNITS	MG/L

Duke Power Company

Radiological and Environmental Services

Phone: 704-875-5371 Fax: 704-875-5974 Report Generated 10/23/96 06:58:10

Type of Sample : LANDFILL
Location : LMW-1A
Collection Begin : 10/07/96 09:15:00
Collection End : 10/07/96 09:15:00

GROUND WATER DATA

Sample ID # : 96005586
Station Name: CATAWBA
Sample Volume: 3.5

	Activity	Error		Fraction
MN54	< 3.454E+00	0.000E+00	PCI / LITERS	
CO58	< 3.910E+00	0.000E+00	PCI / LITERS	
FE59	< 6.813E+00	0.000E+00	PCI / LITERS	
CO60	< 3.757E+00	0.000E+00	PCI / LITERS	
ZN65	< 8.541E+00	0.000E+00	PCI / LITERS	
NB95	< 4.880E+00	0.000E+00	PCI / LITERS	
ZR95	< 7.291E+00	0.000E+00	PCI / LITERS	
I131	< 4.550E+00	0.000E+00	PCI / LITERS	
CS134	< 4.006E+00	0.000E+00	PCI / LITERS	
CS137	< 3.540E+00	0.000E+00	PCI / LITERS	
BALA140	< 5.815E+00	0.000E+00	PCI / LITERS	
BE7	< 3.729E+01	0.000E+00	PCI / LITERS	
K40	1.115E+02	2.465E+01	PCI / LITERS	
H3	< 9.64E+01		PCI / LITERS	

Type of Sample : LANDFILL
Location : LMW-2
Collection Begin : 10/07/96 10:45:00
Collection End : 10/07/96 10:45:00

GROUND WATER DATA

Sample ID # : 96005587
Station Name: CATAWBA
Sample Volume: 3.5

	Activity	Error		Fraction
MN54	< 5.278E+00	0.000E+00	PCI / LITERS	
CO58	< 4.235E+00	0.000E+00	PCI / LITERS	
FE59	< 8.631E+00	0.000E+00	PCI / LITERS	
CO60	< 5.134E+00	0.000E+00	PCI / LITERS	
ZN65	< 9.969E+00	0.000E+00	PCI / LITERS	
NB95	< 4.538E+00	0.000E+00	PCI / LITERS	
ZR95	< 7.011E+00	0.000E+00	PCI / LITERS	
I131	< 5.516E+00	0.000E+00	PCI / LITERS	
CS134	< 4.466E+00	0.000E+00	PCI / LITERS	
CS137	< 4.732E+00	0.000E+00	PCI / LITERS	
BALA140	< 4.471E+00	0.000E+00	PCI / LITERS	
BE7	< 4.004E+01	0.000E+00	PCI / LITERS	
K40	< 6.374E+01	0.000E+00	PCI / LITERS	
H3	< -2.60E+02		PCI / LITERS	

Duke Power Company

Radiological and Environmental Services

Phone: 704-875-5371 Fax: 704-875-5974 Report Generated 10/23/96 06:58:10

Type of Sample: LANDFILL
Location: LMW-3
Collection Begin: 10/07/96 11:40:00
Collection End: 10/07/96 11:40:00

GROUND WATER DATA

Sample ID #: 96005588
Station Name: CATAWBA
Sample Volume: 3.5

	Activity	Error		Fraction
MN54	< 4.135E+00	0.000E+00	PCI / LITERS	
CO58	< 3.568E+00	0.000E+00	PCI / LITERS	
FE59	< 6.746E+00	0.000E+00	PCI / LITERS	
CO60	< 4.623E+00	0.000E+00	PCI / LITERS	
ZN65	< 9.594E+00	0.000E+00	PCI / LITERS	
NB95	< 4.594E+00	0.000E+00	PCI / LITERS	
ZR95	< 7.155E+00	0.000E+00	PCI / LITERS	
I131	< 4.775E+00	0.000E+00	PCI / LITERS	
CS134	< 3.907E+00	0.000E+00	PCI / LITERS	
CS137	< 4.192E+00	0.000E+00	PCI / LITERS	
BALA140	< 4.756E+00	0.000E+00	PCI / LITERS	
BE7	< 3.509E+01	0.000E+00	PCI / LITERS	
K40	1.612E+02	2.837E+01	PCI / LITERS	
H3	4.440E+02	2.674E+01	PCI / LITERS	2.220E-02

Type of Sample: LANDFILL
Location: LMW-4
Collection Begin: 10/07/96 13:12:00
Collection End: 10/07/96 13:12:00

GROUND WATER DATA

Sample ID #: 96005589
Station Name: CATAWBA
Sample Volume: 3.5

	Activity	Error		Fraction
MN54	< 4.339E+00	0.000E+00	PCI / LITERS	
CO58	< 4.201E+00	0.000E+00	PCI / LITERS	
FE59	< 7.616E+00	0.000E+00	PCI / LITERS	
CO60	< 4.609E+00	0.000E+00	PCI / LITERS	
ZN65	< 9.509E+00	0.000E+00	PCI / LITERS	
NB95	< 4.710E+00	0.000E+00	PCI / LITERS	
ZR95	< 7.231E+00	0.000E+00	PCI / LITERS	
I131	< 4.867E+00	0.000E+00	PCI / LITERS	
CS134	< 4.156E+00	0.000E+00	PCI / LITERS	
CS137	< 4.161E+00	0.000E+00	PCI / LITERS	
BALA140	< 5.783E+00	0.000E+00	PCI / LITERS	
BE7	< 3.469E+01	0.000E+00	PCI / LITERS	
K40	1.472E+02	2.477E+01	PCI / LITERS	
H3	< 1.99E+02		PCI / LITERS	