



Environmental, Health and Safety
Oconee Nuclear Site
ON03EHS/7800 Rochester Hwy.
Seneca, SC 29678
864 873-3000
864 873-3809 fax

March 23, 2010

Ms. Bobbi Coleman
South Carolina Department of Health and Environmental Control
2600 Bull Street
Columbia, SC 29201

Subject: Oconee Nuclear Station Facility ID #00535-3
Certified Mail: 7005 1820 0005 3120 7166

Dear Ms. Coleman:

This letter provides radiological test results for first quarter, 2010 groundwater samples located on the Oconee Nuclear Site (collected January 25-27, 2010). The following attachments are included:

- Groundwater Level Summary and Field Parameter Analysis
- Laboratory analytical results for groundwater sampling event for January 2010
- Chain of Custody Records
- Graph of well results for GM-7, GM-7R and GM-7DR

Groundwater Sample Results

Samples obtained from ground water monitoring wells GM-7R and GM-7DR displayed tritium levels triggering the communication protocol of the Nuclear Energy Institute (NEI) Ground Water Protection Initiative (NEI 07-07). The samples were obtained January 26, 2010 and the Duke Energy Environmental Lab notified the station of results February 8, 2010.

The tritium concentration reported for GM-7R was 24,400 pCi/liter. The tritium concentration reported for the newly installed monitoring well GM-7DR was 35,400 pCi/liter. The NEI 07-07 threshold for initiating the communication protocol is 20,000 pCi/liter. Duke Energy completed the NEI communication for state and local officials on February 8, 2010.

The next routine quarterly sample for the site groundwater monitoring wells is April, 2010. If you have questions regarding this letter please contact me at (864) 873-3908.

Sincerely,

Rich Freudenberger
Safety Assurance Manager
Oconee Nuclear Site

cc: NRC Resident Inspector

2-9

BC: Dave Baxter
Mike Glover
Preston Gillespie
Dexter Robinson
Sam Spear
Libby Werhman
Larry Haynes
Cyndi Martinec
Ed Sullivan
Sandra MaGee
Duncan Brewer (MNS)
Kevin Phillips (CNS)
Bill Pitesa

TABLE 1 - SUMMARY OF FIELD DATA

OCONEE NUCLEAR STATION
TRITIUM GROUNDWATER PROTECTION PROGRAM
GROUNDWATER MONITORING FIELD DATA



DATE	WELL NO.	WELL DEPTH (feet-TOC)	WATER DEPTH (feet-TOC)	DEPTH TO ELEV. (feet-msl)	DEPTH TO PRODUCT (feet)	ODOR	Purge Method	AVG * PMP (ml/min)	RATIO	WELL VOL (gal)	EVAC VOL (gal)	EVAC (yes/no)	TEMP (deg C)	SPECIFIC CONDUCTANCE (umho/cm)	pH (units)	URBIDITY (NTU)	ORP mV-NHE	DO (mg/l)
1/26/2010	GM-7DR	155.50	15.02	724.18	N/A	NA	LF	60		22.91	6.00	NO	8.4	219	7.3	37.3	523	0.81
1/26/2010	GM-15	15.90	5.88	729.60	N/A	NA	LF	570		1.63	5.25	NO	14.9	253	6.6	314.6	459	5.02
1/26/2010	GM-15R	69.35	4.78	730.81	N/A	NA	LF	500		10.53	7.00	NO	18.2	168	6.7	591.4	271	0.61
1/27/2010	GM-16R	48.70	44.98	751.38	N/A	NA	LF	40		0.61	0.50	NO	18.5	218	6.7	3.8	382	5.29
1/27/2010	GM-16DR	81.00	50.58	745.79	N/A	NA	LF	430		4.96	5.25	NO	20.0	313	8.1	0.3	161	0.76
1/27/2010	GM-17R	75.97	57.01	738.56	N/A	NA	LF	370		3.09	3.50	NO	18.2	247	7.8	65.2	355	8.42
1/27/2010	GM-17DR	97.93	66.02	729.69	N/A	NA	LF	150		5.20	5.50	NO	19.4	214	8.1	4.5	165	1.68
1/25/2010	GM-18	42.68	15.02	706.60	N/A	NA	LF	460		4.51	3.50	NO	17.0	33	5.2	101.1	453	2.50
1/26/2010	GM-19R	84.23	32.48	706.06	N/A	NA	LF	280		8.44	4.00	NO	15.1	85	6.6	28.1	474	8.01
1/25/2010	GM-20	28.60	23.17	698.37	N/A	NA	LF	310		0.89	4.25	NO	17.7	51	4.9	42.2	464	1.32
1/25/2010	GM-20R	96.97	20.28	701.17	N/A	NA	LF	270		12.51	3.75	NO	17.3	161	6.5	41.3	455	2.79
1/25/2010	GM-21	42.11	15.02	724.18	N/A	NA	LF	480		4.42	6.25	NO	16.6	53	5.6	19.2	436	5.60
1/25/2010	GM-22	18.64	9.55	685.72	N/A	NA	LF	165		1.48	3.75	NO	14.4	266	6.2	339.1	285	0.73
1/26/2010	GM-23	18.00	9.90	731.56	N/A	NA	LF	175		1.32	2.25	NO	20.1	198	6.6	2.4	463	1.09

Purge Methods

LF = Low Flow

CP = Conventional Purge (3 to 5 well vol)

BP = No Purge (HydraSleeve)

OCONEE NUCLEAR STATION
CTP & GROUNDWATER PROTECTION PROGRAM
GROUNDWATER MONITORING FIELD DATA

DATE	WELL NO.	WELL DEPTH (feet)	DEPTH TO WATER (feet)	WATER ELEV. (feet)	Purge Method	AVG * PMP RATE (ml/min)	WELL VOL (gal)	EVAC VOL (gal)	EVAC (yes/no)	TEMP (deg C)	SPECIFIC CONDUCTANCE (umho/cm)	pH (units)	TURBIDITY (NTU)	ORP (mV-NHE)	DO (mg/l)
1/25/2010	MW-RP01	29.28	21.16	762.89	LF	500	1.32	2.25	NO	19.4	20	5.7	2.0	371	0.64
1/26/2010	MW-RP02	36.82	28.43	743.08	LF	400	1.37	1.75	NO	19.0	31	6.5	456.0	350	3.64
1/26/2010	MW-RP03	38.90	32.38	738.53	LF	300	1.06	1.50	NO	16.4	30	6.2	312.0	326	6.52
1/26/2010	A-1	12.48	9.13	794.15	CP	N/A	0.55	1.50	NO	11.6	158	6.8	7.9	N/A	N/A
1/26/2010	A-2	25.10	11.99	794.69	CP	N/A	2.14	6.75	NO	18.0	136	6.1	1.2	N/A	N/A
1/26/2010	A-8	36.30	30.58	799.50	CP	N/A	0.93	0.00		0.0	0	0.0	0.0	N/A	N/A
1/25/2010	A-9	61.32	55.21	795.36	CP	N/A	1.00	3.00	NO	16.7	69	6.4	7.6	N/A	N/A
1/26/2010	A-10	15.18	6.81	691.22	CP	N/A	1.37	4.50	NO	16.0	151	6.7	3.9	N/A	N/A
1/26/2010	A-11	15.24	6.52	696.40	CP	N/A	1.42	4.50	NO	15.5	40	6.0	5.9	N/A	N/A
1/26/2010	A-12	15.24	5.57	709.62	CP	N/A	1.58	5.25	NO	13.9	19	5.3	6.7	N/A	N/A
1/25/2010	A-13	23.50	6.71	789.63	CP	N/A	2.74	8.25	NO	18.3	232	6.3	116.0	N/A	N/A
1/25/2010	A-14	21.90	9.49	787.15	CP	N/A	2.02	6.75	NO	19.2	172	6.5	6.3	N/A	N/A
1/26/2010	A-17	16.40	6.34	794.61	CP	N/A	1.64	5.25	NO	15.0	55	6.0	1.5	N/A	N/A
1/26/2010	A-18	18.42	7.00	797.02	CP	N/A	1.86	6.00	NO	17.8	58	6.0	3.3	N/A	N/A
1/26/2010	BG-4	42.54	36.28	812.52	CP	N/A	1.02	5.00	NO	15.3	52	6.6	2.7	N/A	N/A
1/26/2010	GM-1R	36.52	6.79	794.61	LF	480	4.85	1.75	NO	17.0	115	6.1	24.3	393	4.55
1/25/2010	GM-2R	29.84	23.21	772.63	LF	210	1.08	1.25	NO	18.6	169	6.1	41.0	399	6.38
1/25/2010	GM-2DR	54.69	33.03	762.93	LF	210	3.53	1.75	NO	18.2	368	7.2	13.3	366	11.06
1/25/2010	GM-3R	33.65	23.68	772.15	LF	200	1.63	1.25	NO	18.0	69	5.7	26.9	387	1.79
1/25/2010	GM-3DR	59.58	22.60	773.29	LF	180	6.03	2.25	NO	17.8	102	6.1	7.8	311	3.59
1/25/2010	GM-4	20.72	6.91	791.04	LF	400	2.25	3.50	NO	17.9	31	5.5	11.3	391	1.00
1/25/2010	GM-5	42.71	30.59	765.20	LF	270	1.98	2.00	NO	18.3	54	5.8	371.0	407	5.78
1/25/2010	GM-5R	97.54	39.22	756.65	LF	280	9.51	3.00	NO	17.9	37	6.2	3.5	358	1.31
1/26/2010	GM-6	26.34	16.43	729.03	LF	480	1.62	6.25	NO	17.9	30	5.7	22.3	391	2.57
1/26/2010	GM-6R	49.68	15.63	729.53	LF	115	5.55	0.75	NO	NA	NA	NA	NA	NA	NA
1/26/2010	GM-7	26.21	10.30	728.88	LF	450	2.59	5.50	NO	15.9	53	5.1	3.8	421	3.90
1/26/2010	GM-7R	72.92	10.96	728.26	LF	170	10.11	1.00	NO	16.3	157	6.3	57.7	339	1.29
1/25/2010	GM-8	42.85	33.07	744.66	LF	400	1.60	1.50	NO	22.2	140	6.0	67.8	404	2.46
1/25/2010	GM-8R	73.56	32.92	745.07	LF	120	6.63	1.00	NO	18.9	240	7.2	26.9	46	2.74
1/25/2010	GM-9	43.30	29.90	750.46	LF	150	2.19	1.25	NO	16.9	262	6.4	19.5	203	6.00
1/25/2010	GM-9R	73.82	28.11	752.08	LF	150	7.46	0.75	NO	16.6	118	7.0	12.3	220	3.50
1/26/2010	GM-10	31.22	7.09	730.80	LF	500	3.94	5.50	NO	17.8	14	5.5	56.5	397	3.79
1/26/2010	GM-10R	90.18	8.75	729.16	LF	340	13.28	2.25	NO	17.3	43	6.6	14.1	322	2.73
1/26/2010	GM-11	41.38	32.10	691.21	LF	440	1.51	3.75	NO	18.9	30	6.1	7.9	361	6.56
1/26/2010	GM-11R	69.01	30.99	692.49	LF	320	6.20	1.50	NO	19.9	39	6.3	10.2	347	2.40
1/26/2010	GM-12	23.26	10.61	687.41	LF	300	2.06	1.25	NO	17.1	41	5.9	122.0	477	2.88
1/26/2010	GM-12R	44.90	10.12	688.06	LF	250	5.67	1.50	NO	16.4	77	6.7	2.0	374	8.84
1/26/2010	GM-13	48.40	39.25	699.85	LF	400	1.49	1.25	NO	17.8	32	6.4	128.0	421	7.72
1/26/2010	GM-13R	71.00	36.03	703.15	LF	480	5.70	3.00	NO	16.6	61	6.9	12.8	347	1.66
1/26/2010	GM-14	31.30	19.12	703.50	LF	300	1.99	1.50	NO	17.0	29	6.0	25.5	400	3.88
1/26/2010	GM-14R	70.31	0.20	722.39	LF	330	11.43	3.00	NO	15.2	113	7.8	8.0	152	13.06

Purge Methods

LF = Low Flow

CP = Conventional Purge (3 to 5 well vol)

BP = No Purge (HydraSleeve)

NA = Not Available

**OCONEE NUCLEAR STATION
INDUSTRIAL WASTE LANDFILL
GROUNDWATER MONITORING FIELD DATA**

DATE	WELL NO.	WELL DEPTH (feet)	DEPTH TO WATER (feet)	WATER ELEV. (feet)	DEPTH TO PRODUCT (feet)	Purge Method	AVG * PMP RATE (ml/min)	WELL VOL (gal)	EVAC VOL (gal)	EVAC (yes/no)	TEMP (deg C)	SPECIFIC CONDUCTANCE (umho/cm)	pH (units)	TURBIDITY (NTU)	ORP (mV-NHE)	DO (mg/l)
1/27/2010	MW-3	30.79	21.45	785.47	N/A	CP	N/A	1.52	4.50	NO	15.4	50	5.9	10.6	N/A	N/A
1/27/2010	MW-11	27.28	14.05	735.37	N/A	CP	N/A	2.16	6.75	NO	15.5	53	5.9	11.4	N/A	N/A
1/27/2010	MW-11D	84.86	14.15	736.12	N/A	CP	N/A	11.53	34.50	NO	14.9	71	6.2	1.2	N/A	N/A
1/27/2010	MW-13	23.69	7.97	730.53	N/A	CP	N/A	2.56	8.25	NO	15.7	20	5.3	0.3	N/A	N/A
1/27/2010	MW-16	13.78	8.31	735.26	N/A	CP	N/A	0.89	4.00	NO	13.5	83	6.1	20.1	N/A	N/A
1/27/2010	MW-3D	41.90	22.04	784.88	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1/27/2010	MW-4	62.18	51.36	757.10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1/27/2010	MW-5	70.68	56.57	752.62	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1/27/2010	MW-6D	53.50	43.98	750.04	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1/27/2010	MW-9	55.32	44.40	746.98	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1/27/2010	MW-10	32.02	16.45	747.04	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1/27/2010	MW-12	42.02	33.13	744.80	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Purge Methods

LF = Low Flow

CP = Conventional Purge (3 to 5 well vol)

BP = No Purge (HydraSleeve)

N/A = Not Applicable



Report Generated: 3/10/2010 14:10:58

Station: OCONEE
Location: MW-3
Type: LANDFILL

Sample #: 30000820
Collection Date: 1/27/2010 10:20:00
ONS LANDFILL | MW-3

ALPHA H2O P GROSS ALPHA WATER ANALYSIS (PICO CURIES)

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
ALPHA	1.930E+00 1.510E+00	1.90	No limits specified	No limits specified

BETA H2O GROSS BETA WATER ANALYSIS

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
BETA	< 3.17E+00	3.17	No limits specified	No limits specified

GAMMA GW GAMMA GROUND WATER ANALYSIS

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
MN54	< 4.89E+00	4.890	No limits specified	No limits specified
CO58	< 4.55E+00	4.550	No limits specified	No limits specified
FE59	< 9.98E+00	9.980	No limits specified	No limits specified
CO60	< 4.88E+00	4.880	No limits specified	No limits specified
ZN65	< 9.95E+00	9.950	No limits specified	No limits specified
NB95	< 6.09E+00	6.090	No limits specified	No limits specified
ZR95	< 7.60E+00	7.600	No limits specified	No limits specified
I131	< 8.08E+00	8.080	No limits specified	No limits specified
CS134	< 5.25E+00	5.250	No limits specified	No limits specified
CS137	< 4.84E+00	4.840	No limits specified	No limits specified
BALA140	< 9.55E+00	9.550	No limits specified	No limits specified
BE7	< 3.59E+01	35.90	No limits specified	No limits specified
K40	< 6.08E+01	60.80	No limits specified	No limits specified

H3 GW H3 TRITIUM ANALYSIS OF GROUND WATER

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
H3	< 1.78E+02	178	No limits specified	No limits specified

Field Parameters

Elevation (ft (msl)) NA	Spec. Cond. (field) micromhos/cm NA
pH (field) SU NA	Oxidation/Reduction Potential (ORP)(mV) NA
Temp Celcius (degrees C) NA	Turbidity (field) NTU NA
Dissolved Oxygen (mg/L) NA	

Station: OCONEE
Location: MW-11
Type: LANDFILL

Sample #: 30000821
Collection Date: 1/27/2010 08:20:00
ONS LANDFILL | MW-11

ALPHA H2O P GROSS ALPHA WATER ANALYSIS (PICO CURIES)

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
ALPHA	< 1.86E+00	1.86	No limits specified	No limits specified



Report Generated: 3/10/2010 14:10:58

Station: OCONEE
Location: MW-11
Type: LANDFILL

Sample #: 30000821
Collection Date: 1/27/2010 08:20:00
ONS LANDFILL | MW-11

BETAH20 GROSS BETA WATER ANALYSIS

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
BETA	< 3.15E+00	3.15	No limits specified	No limits specified

GAMMA GW GAMMA GROUND WATER ANALYSIS

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
MN54	< 3.53E+00	3.530	No limits specified	No limits specified
CO58	< 3.63E+00	3.630	No limits specified	No limits specified
FE59	< 7.52E+00	7.520	No limits specified	No limits specified
CO60	< 4.33E+00	4.330	No limits specified	No limits specified
ZN65	< 7.44E+00	7.440	No limits specified	No limits specified
NB95	< 3.77E+00	3.770	No limits specified	No limits specified
ZR95	< 6.49E+00	6.490	No limits specified	No limits specified
I131	< 7.10E+00	7.100	No limits specified	No limits specified
CS134	< 4.14E+00	4.140	No limits specified	No limits specified
CS137	< 3.87E+00	3.870	No limits specified	No limits specified
BALA140	< 7.23E+00	7.230	No limits specified	No limits specified
BE7	< 3.13E+01	31.30	No limits specified	No limits specified
K40	< 3.64E+01	36.40	No limits specified	No limits specified

H3GW TRITIUM ANALYSIS OF GROUND WATER

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
H3	< 1.78E+02	178	No limits specified	No limits specified

Field Parameters

Elevation (ft (msl)) NA	Spec. Cond. (field) micromhos/cm NA
pH (field) SU-NA	Oxidation Reduction Potential (ORP)(mV) NA
Temp Celcius (degrees C) NA	Turbidity (field) NTU NA
Dissolved Oxygen (mg/L) NA	

Station: OCONEE
Location: MW-11D
Type: LANDFILL

Sample #: 30000822
Collection Date: 1/27/2010 09:15:00
ONS LANDFILL | MW-11D

ALPHAH20 P GROSS ALPHA WATER ANALYSIS (PICOCURIES)

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
ALPHA	< 1.74E+00	1.74	No limits specified	No limits specified

BETAH20 GROSS BETA WATER ANALYSIS

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
BETA	< 3.13E+00	3.13	No limits specified	No limits specified



Report Generated: 3/10/2010 14:10:58

Station: OCONEE
Location: MW-11D
Type: LANDFILL

Sample #: 30000822
Collection Date: 1/27/2010 09:15:00
ONS LANDFILL | MW-11D

GAMMA GROUND WATER ANALYSIS

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
MN54	< 4.56E+00	4.560	No limits specified	No limits specified
CO58	< 4.51E+00	4.510	No limits specified	No limits specified
FE59	< 8.55E+00	8.550	No limits specified	No limits specified
CO60	< 5.01E+00	5.010	No limits specified	No limits specified
ZN65	< 9.17E+00	9.170	No limits specified	No limits specified
NB95	< 5.59E+00	5.590	No limits specified	No limits specified
ZR95	< 7.59E+00	7.590	No limits specified	No limits specified
I131	< 1.00E+01	10.00	No limits specified	No limits specified
CS134	< 5.50E+00	5.500	No limits specified	No limits specified
CS137	< 4.44E+00	4.440	No limits specified	No limits specified
BALA140	< 9.30E+00	9.300	No limits specified	No limits specified
BE7	< 3.96E+01	39.60	No limits specified	No limits specified
K40	< 4.70E+01	47.00	No limits specified	No limits specified

TRITIUM ANALYSIS OF GROUND WATER

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
H3	2.510E+02 1.120E+02	178	No limits specified	No limits specified

Field Parameters

Elevation (ft (msl)) NA Spec. Cond. (field) micromhos/cm NA
pH (field) SU NA Oxidation Reduction Potential (ORP)(mV) NA
Temp Celcius (degrees C) NA Turbidity (field) NTU NA
Dissolved Oxygen (mg/L) NA

Station: OCONEE
Location: MW-13
Type: LANDFILL

Sample #: 30000823
Collection Date: 1/27/2010 08:50:00
ONS LANDFILL | MW-13

GROSS ALPHA WATER ANALYSIS (PICOCURIES)

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
ALPHA	< 2.53E+00		No limits specified	No limits specified

GROSS BETA WATER ANALYSIS (MICROCURIES)

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
BETA	< 3.13E+00	3.13	No limits specified	No limits specified

GAMMA GROUND WATER ANALYSIS

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
MN54	< 3.47E+00	3.470	No limits specified	No limits specified
CO58	< 3.51E+00	3.510	No limits specified	No limits specified
FE59	< 7.38E+00	7.380	No limits specified	No limits specified



Report Generated: 3/10/2010 14:10:58

Station: OCONEE
Location: MW-13
Type: LANDFILL

Sample #: 30000823
Collection Date: 1/27/2010 08:50:00
ONS LANDFILL | MW-13

GAMMA GROUND WATER ANALYSIS

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
CO60	< 4.08E+00	4.080	No limits specified	No limits specified
ZN65	< 7.91E+00	7.910	No limits specified	No limits specified
NB95	< 3.94E+00	3.940	No limits specified	No limits specified
ZR95	< 6.29E+00	6.290	No limits specified	No limits specified
I131	< 7.66E+00	7.660	No limits specified	No limits specified
CS134	< 4.35E+00	4.350	No limits specified	No limits specified
CS137	< 4.94E+00	4.940	No limits specified	No limits specified
BALA140	< 7.64E+00	7.640	No limits specified	No limits specified
BE7	< 3.24E+01	32.40	No limits specified	No limits specified
K40	< 3.94E+01	39.40	No limits specified	No limits specified

TRITIUM ANALYSIS OF GROUND WATER

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
H3	2.080E+02 1.100E+02	178	No limits specified	No limits specified

Field Parameters

Elevation (ft (msl)) NA
pH (field) SU NA
Temp Celsius (degrees C) NA
Dissolved Oxygen (mg/L) NA
Spec. Cond. (field) micromhos/cm NA
Oxidation Reduction Potential (ORP)(mV) NA
Turbidity (field) NTU NA

Station: OCONEE
Location: MW-16
Type: LANDFILL

Sample #: 30000824
Collection Date: 1/27/2010 08:30:00
ONS LANDFILL | MW-16

GROSS ALPHA WATER ANALYSIS: PICOCURIES PER LITER

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
ALPHA	2.190E+00 1.530E+00	1.87	No limits specified	No limits specified

GROSS BETA WATER ANALYSIS: PICOCURIES PER LITER

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
BETA	5.680E+00 2.230E+00	3.15	No limits specified	No limits specified

GAMMA GROUND WATER ANALYSIS

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
MN54	< 4.20E+00	4.200	No limits specified	No limits specified
CO58	< 4.21E+00	4.210	No limits specified	No limits specified
FE59	< 8.94E+00	8.940	No limits specified	No limits specified
CO60	< 4.31E+00	4.310	No limits specified	No limits specified
ZN65	< 7.96E+00	7.960	No limits specified	No limits specified
NB95	< 4.66E+00	4.660	No limits specified	No limits specified



Report Generated: 3/10/2010 14:10:58

Station: OCONEE
Location: MW-16
Type: LANDFILL

Sample #: 30000824
Collection Date: 1/27/2010 08:30:00
ONS LANDFILL | MW-16

GAMMA GROUND WATER ANALYSIS

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
ZR95	< 7.60E+00	7.600	No limits specified	No limits specified
I131	< 9.22E+00	9.220	No limits specified	No limits specified
CS134	< 5.04E+00	5.040	No limits specified	No limits specified
CS137	< 4.07E+00	4.070	No limits specified	No limits specified
BALA140	< 8.01E+00	8.010	No limits specified	No limits specified
BE7	< 3.67E+01	36.70	No limits specified	No limits specified
K40	< 3.73E+01	37.30	No limits specified	No limits specified

TRITIUM ANALYSIS OF GROUND WATER

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
H3	1.950E+02 1.100E+02	178	No limits specified	No limits specified

Field Parameters

Elevation (ft (msl)) NA Spec. Cond. (field) micromhos/cm NA
pH (field) SU NA Oxidation Reduction Potential (ORP)(mV) NA
Temp Celcius (degrees C) NA Turbidity (field) NTU NA
Dissolved Oxygen (mg/L) NA

Station: OCONEE
Location: MW-RP01
Type: BURIAL WELL

Sample #: 30000835
Collection Date: 1/25/2010 15:30:00
ONS TUBE BURIAL | MW-RP01

GROSS ALPHA WATER ANALYSIS (PICOCURIES)

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
ALPHA	6.790E-01 2.080E-01	0.524	No limits specified	No limits specified

GROSS BETA WATER ANALYSIS

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
BETA	< 1.40E-01	1.23	No limits specified	No limits specified

GAMMA GROUND WATER ANALYSIS

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
MN54	< 4.898E+00 0.000E+00	4.898	No limits specified	No limits specified
CO58	< 4.714E+00 0.000E+00	4.714	No limits specified	No limits specified
FE59	< 8.896E+00 0.000E+00	8.896	No limits specified	No limits specified
CO60	< 5.046E+00 0.000E+00	5.046	No limits specified	No limits specified
ZN65	< 9.810E+00 0.000E+00	9.810	No limits specified	No limits specified
NB95	< 5.403E+00 0.000E+00	5.403	No limits specified	No limits specified
ZR95	< 7.298E+00 0.000E+00	7.298	No limits specified	No limits specified
I131	< 8.609E+00 0.000E+00	8.609	No limits specified	No limits specified
CS134	< 3.106E+00 0.000E+00	3.106	No limits specified	No limits specified



Report Generated: 3/10/2010 14:10:58

Station: OCONEE
Location: MW-RP01
Type: BURIAL WELL

Sample #: 30000835
Collection Date: 1/25/2010 15:30:00
ONS TUBE BURIAL | MW-RP01

GAMMAGW GAMMA GROUND WATER ANALYSIS

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
CS137	< 4.250E+00 0.000E+00	4.250	No limits specified	No limits specified
BALA140	< 7.518E+00 0.000E+00	7.518	No limits specified	No limits specified
BE7	< 3.744E+01 0.000E+00	37.44	No limits specified	No limits specified
K40	< 7.268E+01 0.000E+00	72.68	No limits specified	No limits specified

H3GW TRITIUM ANALYSIS OF GROUND WATER

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
H3	< 7.67E+01	160	No limits specified	No limits specified

Field Parameters

Elevation (ft (msl)) 762.89 Spec. Cond. (field) micromhos/cm 20.00
pH (field) SU 5.67 Oxidation Reduction Potential (ORP)(mV) 371
Temp Celcius (degrees C) 19.44 Turbidity (field) NTU 2.00
Dissolved Oxygen (mg/L) .64

Station: OCONEE
Location: MW-RP02
Type: BURIAL WELL

Sample #: 30000836
Collection Date: 1/26/2010 10:20:00
ONS TUBE BURIAL | MW-RP02

ALPHA H20 P GROSS ALPHA WATER ANALYSIS (PICO CURIES)

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
ALPHA	2.750E+00 4.200E-01	0.699	No limits specified	No limits specified

BETA H20 GROSS BETA WATER ANALYSIS (PICO CURIES)

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
BETA	3.440E+00 4.630E-01	1.28	No limits specified	No limits specified

GAMMAGW GAMMA GROUND WATER ANALYSIS

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
MN54	< 4.472E+00 0.000E+00	4.472	No limits specified	No limits specified
CO58	< 5.313E+00 0.000E+00	5.313	No limits specified	No limits specified
FE59	< 1.270E+01 0.000E+00	12.70	No limits specified	No limits specified
CO60	< 5.152E+00 0.000E+00	5.152	No limits specified	No limits specified
ZN65	< 8.173E+00 0.000E+00	8.173	No limits specified	No limits specified
NB95	< 6.292E+00 0.000E+00	6.292	No limits specified	No limits specified
ZR95	< 8.721E+00 0.000E+00	8.721	No limits specified	No limits specified
I131	< 9.297E+00 0.000E+00	9.297	No limits specified	No limits specified
CS134	< 3.748E+00 0.000E+00	3.748	No limits specified	No limits specified
CS137	< 4.143E+00 0.000E+00	4.143	No limits specified	No limits specified
BALA140	< 1.065E+01 0.000E+00	10.65	No limits specified	No limits specified
BE7	< 4.241E+01 0.000E+00	42.41	No limits specified	No limits specified



Report Generated: 3/10/2010 14:10:58

Station: OCONEE
Location: MW-RP02
Type: BURIAL WELL

Sample #: 30000836
Collection Date: 1/26/2010 10:20:00
ONS TUBE BURIAL | MW-RP02

GAMMA GROUND WATER ANALYSIS

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
K40	9.853E+01 2.430E+01	43.07	No limits specified	No limits specified

TRITIUM ANALYSIS OF GROUND WATER

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
H3	< 6.58E+01	159	No limits specified	No limits specified

Field Parameters

Elevation (ft (msl)) 743.08

pH (field) SU 6.47

Temp Celsius (degrees C) 18.98

Dissolved Oxygen (mg/L) 3.64

Spec. Cond. (field) micromhos/cm 31.30

Oxidation Reduction Potential (ORP)(mV) 350

Turbidity (field) NTU 456

Station: OCONEE
Location: MW-RP03
Type: BURIAL WELL

Sample #: 30000837
Collection Date: 1/26/2010 09:10:00
ONS TUBE BURIAL | MW-RP03

CROSS ALPHA WATER ANALYSIS (BECQUERELS)

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
ALPHA	6.610E-01 2.130E-01	0.549	No limits specified	No limits specified

CROSS BETA WATER ANALYSIS (BECQUERELS)

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
BETA	1.510E+00 4.000E-01	1.23	No limits specified	No limits specified

GAMMA GROUND WATER ANALYSIS

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
MN54	< 4.281E+00 0.000E+00	4.281	No limits specified	No limits specified
CO58	< 3.565E+00 0.000E+00	3.565	No limits specified	No limits specified
FE59	< 8.135E+00 0.000E+00	8.135	No limits specified	No limits specified
CO60	< 4.321E+00 0.000E+00	4.321	No limits specified	No limits specified
ZN65	< 8.752E+00 0.000E+00	8.752	No limits specified	No limits specified
NB95	< 4.786E+00 0.000E+00	4.786	No limits specified	No limits specified
ZR95	< 7.308E+00 0.000E+00	7.308	No limits specified	No limits specified
I131	< 7.589E+00 0.000E+00	7.589	No limits specified	No limits specified
CS134	< 3.921E+00 0.000E+00	3.921	No limits specified	No limits specified
CS137	< 3.452E+00 0.000E+00	3.452	No limits specified	No limits specified
BALA140	< 7.515E+00 0.000E+00	7.515	No limits specified	No limits specified
BE7	< 3.255E+01 0.000E+00	32.55	No limits specified	No limits specified
K40	7.426E+01 3.248E+01	43.16	No limits specified	No limits specified



Report Generated: 3/10/2010 14:10:58

Station: OCONEE
Location: MW-RP03
Type: BURIAL WELL

Sample #: 30000837
Collection Date: 1/26/2010 09:10:00
ONS TUBE BURIAL | MW-RP03

H3GW TRITIUM ANALYSIS OF GROUND WATER

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
H3	< -1.29E+01	166	No limits specified	No limits specified

Field Parameters

Elevation (ft (msl)) 738.53	Spec. Cond. (field) micromhos/cm 30.40
pH (field) SU 6.20	Oxidation Reduction Potential (ORP)(mV) 326
Temp Celsius (degrees C) 16.39	Turbidity (field) NTU 312
Dissolved Oxygen (mg/L) 6.52	

Station: OCONEE
Location: A-1
Type: CTP GWATER

Sample #: 30000838
Collection Date: 1/26/2010 07:40:00
ONS GROUND WATER PROTECTION PROGRAM | A-1

GAMMAGW GAMMA GROUND WATER ANALYSIS

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
MN54	< 3.756E+00 0.000E+00	3.756	No limits specified	No limits specified
CO58	< 3.494E+00 0.000E+00	3.494	No limits specified	No limits specified
FE59	< 8.224E+00 0.000E+00	8.224	No limits specified	No limits specified
CO60	< 4.766E+00 0.000E+00	4.766	No limits specified	No limits specified
ZN65	< 9.364E+00 0.000E+00	9.364	No limits specified	No limits specified
NB95	< 4.102E+00 0.000E+00	4.102	No limits specified	No limits specified
ZR95	< 6.885E+00 0.000E+00	6.885	No limits specified	No limits specified
1131	< 6.594E+00 0.000E+00	6.594	No limits specified	No limits specified
CS134	< 3.879E+00 0.000E+00	3.879	No limits specified	No limits specified
CS137	< 4.253E+00 0.000E+00	4.253	No limits specified	No limits specified
BALA140	< 6.536E+00 0.000E+00	6.536	No limits specified	No limits specified
BE7	< 3.955E+01 0.000E+00	39.55	No limits specified	No limits specified
K40	7.552E+01 2.450E+01	42.34	No limits specified	No limits specified

H3GW TRITIUM ANALYSIS OF GROUND WATER

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
H3	2.280E+02 5.320E+01	162	No limits specified	No limits specified

Field Parameters

Elevation (ft (msl)) 794.15	Spec. Cond. (field) micromhos/cm 158
pH (field) SU 6.82	Oxidation Reduction Potential (ORP)(mV) NA
Temp Celsius (degrees C) 11.59	Turbidity (field) NTU 7.90
Dissolved Oxygen (mg/L) NA	



Report Generated: 3/10/2010 14:10:58

Station: OCONEE
Location: A-2
Type: CTP GWATER

Sample #: 30000839
Collection Date: 1/26/2010 08:30:00
ONS GROUND WATER PROTECTION PROGRAM | A-2

GAMMAGW: GAMMA GROUND WATER ANALYSIS

Units: pCi/liter

	Activity - Error		Calculated MDA	Reporting Level	REMP LLD
MN54	< 4.762E+00	0.000E+00	4.762	No limits specified	No limits specified
CO58	< 4.733E+00	0.000E+00	4.733	No limits specified	No limits specified
FE59	< 9.530E+00	0.000E+00	9.530	No limits specified	No limits specified
CO60	< 4.903E+00	0.000E+00	4.903	No limits specified	No limits specified
ZN65	< 9.812E+00	0.000E+00	9.812	No limits specified	No limits specified
NB95	< 6.225E+00	0.000E+00	6.225	No limits specified	No limits specified
ZR95	< 1.009E+01	0.000E+00	10.09	No limits specified	No limits specified
I131	< 8.352E+00	0.000E+00	8.352	No limits specified	No limits specified
CS134	< 6.235E+00	0.000E+00	6.235	No limits specified	No limits specified
CS137	< 5.212E+00	0.000E+00	5.212	No limits specified	No limits specified
BALA140	< 1.054E+01	0.000E+00	10.54	No limits specified	No limits specified
BE7	< 3.984E+01	0.000E+00	39.84	No limits specified	No limits specified
K40	< 8.653E+01	0.000E+00	86.53	No limits specified	No limits specified

H3GW: TRITIUM ANALYSIS OF GROUND WATER

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
H3	< 4.33E+00	162	No limits specified	No limits specified

Field Parameters

Elevation (ft (msl)) 794.69	Spec. Cond. (field) micromhos/cm 136
pH (field) SU 6.06	Oxidation Reduction Potential (ORP)(mV) NA
Temp Celcius (degrees C) 18.00	Turbidity (field) NTU 1.15
Dissolved Oxygen (mg/L) NA	

Station: OCONEE
Location: A-9
Type: CTP GWATER

Sample #: 30000841
Collection Date: 1/25/2010 14:10:00
ONS GROUND WATER PROTECTION PROGRAM | A-9

GAMMAGW: GAMMA GROUND WATER ANALYSIS

Units: pCi/liter

	Activity - Error		Calculated MDA	Reporting Level	REMP LLD
MN54	< 4.921E+00	0.000E+00	4.921	No limits specified	No limits specified
CO58	< 5.633E+00	0.000E+00	5.633	No limits specified	No limits specified
FE59	< 8.709E+00	0.000E+00	8.709	No limits specified	No limits specified
CO60	< 5.662E+00	0.000E+00	5.662	No limits specified	No limits specified
ZN65	< 9.685E+00	0.000E+00	9.685	No limits specified	No limits specified
NB95	< 6.409E+00	0.000E+00	6.409	No limits specified	No limits specified
ZR95	< 8.186E+00	0.000E+00	8.186	No limits specified	No limits specified
I131	< 8.189E+00	0.000E+00	8.189	No limits specified	No limits specified
CS134	< 3.944E+00	0.000E+00	3.944	No limits specified	No limits specified
CS137	< 3.885E+00	0.000E+00	3.885	No limits specified	No limits specified
BALA140	< 7.022E+00	0.000E+00	7.022	No limits specified	No limits specified
BE7	< 4.033E+01	0.000E+00	40.33	No limits specified	No limits specified



Report Generated: 3/10/2010 14:10:58

Station: OCONEE
Location: A-9
Type: CTP GWATER

Sample #: 30000841
Collection Date: 1/25/2010 14:10:00
ONS GROUND WATER PROTECTION PROGRAM | A-9

GAMMA GROUND WATER ANALYSIS

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
K40	< 9.719E+01 0.000E+00	97.19	No limits specified	No limits specified

TRITIUM ANALYSIS OF GROUND WATER

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
H3	< 1.54E+02	162	No limits specified	No limits specified

Field Parameters

Elevation (ft (msl)) 795.36
pH (field) SU 6.41
Temp Celcius (degrees C) 16.74
Dissolved Oxygen (mg/L) NA
Spec. Cond. (field) micromhos/cm 58.50
Oxidation Reduction Potential (ORP)(mV) NA
Turbidity (field) NTU 7.59

Station: OCONEE
Location: A-10
Type: CTP GWATER

Sample #: 30000842
Collection Date: 1/26/2010 15:20:00
ONS GROUND WATER PROTECTION PROGRAM | A-10

GAMMA GROUND WATER ANALYSIS

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
MN54	< 4.687E+00 0.000E+00	4.687	No limits specified	No limits specified
CO58	< 4.451E+00 0.000E+00	4.451	No limits specified	No limits specified
FE59	< 9.908E+00 0.000E+00	9.908	No limits specified	No limits specified
CO60	< 6.009E+00 0.000E+00	6.009	No limits specified	No limits specified
ZN65	< 8.227E+00 0.000E+00	8.227	No limits specified	No limits specified
NB95	< 4.414E+00 0.000E+00	4.414	No limits specified	No limits specified
ZR95	< 9.658E+00 0.000E+00	9.658	No limits specified	No limits specified
I131	< 7.830E+00 0.000E+00	7.830	No limits specified	No limits specified
CS134	< 4.433E+00 0.000E+00	4.433	No limits specified	No limits specified
CS137	< 3.955E+00 0.000E+00	3.955	No limits specified	No limits specified
BALA140	< 9.263E+00 0.000E+00	9.263	No limits specified	No limits specified
BE7	< 4.202E+01 0.000E+00	42.02	No limits specified	No limits specified
K40	9.267E+01 2.268E+01	38.76	No limits specified	No limits specified

TRITIUM ANALYSIS OF GROUND WATER

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
H3	2.880E+02 5.460E+01	163	No limits specified	No limits specified

Field Parameters

Elevation (ft (msl)) 691.22
pH (field) SU 6.72
Temp Celcius (degrees C) 15.98
Dissolved Oxygen (mg/L) NA
Spec. Cond. (field) micromhos/cm 150.9
Oxidation Reduction Potential (ORP)(mV) NA
Turbidity (field) NTU 3.91



Report Generated: 3/10/2010 14:10:58

Station: OCONEE
Location: A-12
Type: CTP GWATER

Sample #: 30000844
Collection Date: 1/26/2010 14:00:00
ONS GROUND WATER PROTECTION PROGRAM | A-12

GAMMA-GW **GAMMA GROUND WATER ANALYSIS**

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
K40	8.287E+01 2.606E+01	45.77	No limits specified	No limits specified

H3GW **TRITIUM ANALYSIS OF GROUND WATER**

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
H3	< 8.70E+00	163	No limits specified	No limits specified

Field Parameters

Elevation (ft (msl)) 709.62	Spec. Cond. (field) micromhos/cm 19.00
pH (field) SU 5.31	Oxidation Reduction Potential (ORP)(mV) NA
Temp Celcius (degrees C) 13.94	Turbidity (field) NTU 6.69
Dissolved Oxygen (mg/L) NA	

Station: OCONEE
Location: A-13
Type: CTP GWATER

Sample #: 30000845
Collection Date: 1/25/2010 15:45:00
ONS GROUND WATER PROTECTION PROGRAM | A-13

GAMMA-GW **GAMMA GROUND WATER ANALYSIS**

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
MN54	< 5.321E+00 0.000E+00	5.321	No limits specified	No limits specified
CO58	< 5.800E+00 0.000E+00	5.800	No limits specified	No limits specified
FE59	< 1.037E+01 0.000E+00	10.37	No limits specified	No limits specified
CO60	< 5.442E+00 0.000E+00	5.442	No limits specified	No limits specified
ZN65	< 9.538E+00 0.000E+00	9.538	No limits specified	No limits specified
NB95	< 6.168E+00 0.000E+00	6.168	No limits specified	No limits specified
ZR95	< 8.604E+00 0.000E+00	8.604	No limits specified	No limits specified
I131	< 9.367E+00 0.000E+00	9.367	No limits specified	No limits specified
CS134	< 4.186E+00 0.000E+00	4.186	No limits specified	No limits specified
CS137	< 4.704E+00 0.000E+00	4.704	No limits specified	No limits specified
BALA140	< 8.885E+00 0.000E+00	8.885	No limits specified	No limits specified
BE7	< 3.727E+01 0.000E+00	37.27	No limits specified	No limits specified
K40	8.656E+01 2.189E+01	56.71	No limits specified	No limits specified

H3GW **TRITIUM ANALYSIS OF GROUND WATER**

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
H3	6.810E+02 6.060E+01	163	No limits specified	No limits specified

Field Parameters

Elevation (ft (msl)) 789.63	Spec. Cond. (field) micromhos/cm 232.2
pH (field) SU 6.30	Oxidation Reduction Potential (ORP)(mV) NA
Temp Celcius (degrees C) 18.30	Turbidity (field) NTU 116.0
Dissolved Oxygen (mg/L) NA	



Report Generated: 3/10/2010 14:10:58

Station: OCONEE

Sample #: 30000846

Location: A-14

Collection Date: 1/25/2010 15:10:00

Type: CTP GWATER

ONS GROUND WATER PROTECTION PROGRAM | A-14

ALPHA H20_P GROSS ALPHA WATER ANALYSIS (PICO CURIES)

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
ALPHA	< 1.00E-02	0.993	No limits specified	No limits specified

BETA H20 GROSS BETA WATER ANALYSIS

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
BETA	1.820E+00 3.980E-01	1.21	No limits specified	No limits specified

FE55 FE55 ANALYSIS

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
FE55	< 7.06E+01		No limits specified	No limits specified

GAMMA GW GAMMA GROUND WATER ANALYSIS

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
MN54	< 6.816E+00 0.000E+00	6.816	No limits specified	No limits specified
CO58	< 5.358E+00 0.000E+00	5.358	No limits specified	No limits specified
FE59	< 1.319E+01 0.000E+00	13.19	No limits specified	No limits specified
CO60	< 6.696E+00 0.000E+00	6.696	No limits specified	No limits specified
ZN65	< 7.510E+00 0.000E+00	7.510	No limits specified	No limits specified
NB95	< 7.048E+00 0.000E+00	7.048	No limits specified	No limits specified
ZR95	< 1.257E+01 0.000E+00	12.57	No limits specified	No limits specified
I131	< 1.102E+01 0.000E+00	11.02	No limits specified	No limits specified
CS134	< 5.091E+00 0.000E+00	5.091	No limits specified	No limits specified
CS137	< 4.843E+00 0.000E+00	4.843	No limits specified	No limits specified
BALA140	< 1.046E+01 0.000E+00	10.46	No limits specified	No limits specified
BE7	< 5.223E+01 0.000E+00	52.23	No limits specified	No limits specified
K40	< 9.735E+01 0.000E+00	97.35	No limits specified	No limits specified

H3 GW TRITIUM ANALYSIS OF GROUND WATER

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
H3	3.970E+02 5.630E+01	163	No limits specified	No limits specified

NI63 NI63 ANALYSIS

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
NI63	< 1.44E+01		No limits specified	No limits specified

SR89 SR90 DIPOSTRONTIUM (SR89 & SR90)

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
SR89	< 1.65E+00		No limits specified	No limits specified



Report Generated: 3/10/2010 14:10:58

Station: OCONEE
Location: A-14
Type: CTP GWATER

Sample #: 30000846
Collection Date: 1/25/2010 15:10:00
ONS GROUND WATER PROTECTION PROGRAM | A-14

SR89SR90 RADIOSTRONTIUM (SR89 & SR90)

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
SR90	< 1.83E+00		No limits specified	No limits specified

Field Parameters

Elevation (ft (msl)) 787.15 Spec. Cond. (field) micromhos/cm 172.3
pH (field) SU 6.50 Oxidation Reduction Potential (ORP)(mV) NA
Temp Celcius (degrees C) 19.23 Turbidity (field) NTU 6.29
Dissolved Oxygen (mg/L) NA

Station: OCONEE
Location: A-17
Type: CTP GWATER

Sample #: 30000847
Collection Date: 1/26/2010 11:00:00
ONS GROUND WATER PROTECTION PROGRAM | A-17

GAMMA GW GAMMA GROUND WATER ANALYSIS

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
MN54	< 5.128E+00 0.000E+00	5.128	No limits specified	No limits specified
CO58	< 3.896E+00 0.000E+00	3.896	No limits specified	No limits specified
FE59	< 1.399E+01 0.000E+00	13.99	No limits specified	No limits specified
CO60	< 5.250E+00 0.000E+00	5.250	No limits specified	No limits specified
ZN65	< 8.354E+00 0.000E+00	8.354	No limits specified	No limits specified
NB95	< 6.803E+00 0.000E+00	6.803	No limits specified	No limits specified
ZR95	< 1.068E+01 0.000E+00	10.68	No limits specified	No limits specified
I131	< 8.416E+00 0.000E+00	8.416	No limits specified	No limits specified
CS134	< 5.790E+00 0.000E+00	5.790	No limits specified	No limits specified
CS137	< 5.163E+00 0.000E+00	5.163	No limits specified	No limits specified
BALA140	< 6.796E+00 0.000E+00	6.796	No limits specified	No limits specified
BE7	< 4.083E+01 0.000E+00	40.83	No limits specified	No limits specified
K40	6.848E+01 2.629E+01	63.43	No limits specified	No limits specified

H3GW TRITIUM ANALYSIS OF GROUNDWATER

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
H3	< 6.84E+01	160	No limits specified	No limits specified

Field Parameters

Elevation (ft (msl)) 794.61 Spec. Cond. (field) micromhos/cm 55.00
pH (field) SU 5.96 Oxidation Reduction Potential (ORP)(mV) NA
Temp Celcius (degrees C) 15.01 Turbidity (field) NTU 1.50
Dissolved Oxygen (mg/L) NA



Report Generated: 3/10/2010 14:10:58

Station: OCONEE
Location: A-18
Type: CTP GWATER

Sample #: 30000848
Collection Date: 1/26/2010 10:30:00
ONS GROUND WATER PROTECTION PROGRAM | A-18

GAMMA GROUND WATER ANALYSIS

Units: pCi/liter

	<u>Activity - Error</u>		<u>Calculated MDA</u>	<u>Reporting Level</u>	<u>REMP LLD</u>
MN54	< 3.559E+00	0.000E+00	3.559	No limits specified	No limits specified
CO58	< 3.908E+00	0.000E+00	3.908	No limits specified	No limits specified
FE59	< 5.737E+00	0.000E+00	5.737	No limits specified	No limits specified
CO60	< 4.131E+00	0.000E+00	4.131	No limits specified	No limits specified
ZN65	< 9.810E+00	0.000E+00	9.810	No limits specified	No limits specified
NB95	< 3.350E+00	0.000E+00	3.350	No limits specified	No limits specified
ZR95	< 7.041E+00	0.000E+00	7.041	No limits specified	No limits specified
I131	< 5.470E+00	0.000E+00	5.470	No limits specified	No limits specified
CS134	< 3.317E+00	0.000E+00	3.317	No limits specified	No limits specified
CS137	< 3.912E+00	0.000E+00	3.912	No limits specified	No limits specified
BALA140	< 8.251E+00	0.000E+00	8.251	No limits specified	No limits specified
BE7	< 3.643E+01	0.000E+00	36.43	No limits specified	No limits specified
K40	6.247E+01	2.317E+01	45.07	No limits specified	No limits specified

TRITIUM ANALYSIS OF GROUND WATER

Units: pCi/liter

	<u>Activity - Error</u>	<u>Calculated MDA</u>	<u>Reporting Level</u>	<u>REMP LLD</u>
H3	< 1.55E+02	158	No limits specified	No limits specified

Field Parameters

Elevation (ft (msl)) 797.02 Spec. Cond. (field) micromhos/cm 58.00
pH (field) SU 6.00 Oxidation Reduction Potential (ORP)(mV) NA
Temp Celcius (degrees C) 17.79 Turbidity (field) NTU 3.27
Dissolved Oxygen (mg/L) NA

Station: OCONEE
Location: BG-4
Type: CTP GWATER

Sample #: 30000849
Collection Date: 1/26/2010 12:45:00
ONS GROUND WATER PROTECTION PROGRAM | BG-4

GAMMA GROUND WATER ANALYSIS

Units: pCi/liter

	<u>Activity - Error</u>		<u>Calculated MDA</u>	<u>Reporting Level</u>	<u>REMP LLD</u>
MN54	< 5.135E+00	0.000E+00	5.135	No limits specified	No limits specified
CO58	< 4.245E+00	0.000E+00	4.245	No limits specified	No limits specified
FE59	< 8.685E+00	0.000E+00	8.685	No limits specified	No limits specified
CO60	< 3.388E+00	0.000E+00	3.388	No limits specified	No limits specified
ZN65	< 9.152E+00	0.000E+00	9.152	No limits specified	No limits specified
NB95	< 5.790E+00	0.000E+00	5.790	No limits specified	No limits specified
ZR95	< 7.684E+00	0.000E+00	7.684	No limits specified	No limits specified
I131	< 7.826E+00	0.000E+00	7.826	No limits specified	No limits specified
CS134	< 3.773E+00	0.000E+00	3.773	No limits specified	No limits specified
CS137	< 4.413E+00	0.000E+00	4.413	No limits specified	No limits specified
BALA140	< 7.681E+00	0.000E+00	7.681	No limits specified	No limits specified
BE7	< 3.285E+01	0.000E+00	32.85	No limits specified	No limits specified



Report Generated: 3/10/2010 14:10:58

Station: OCONEE
Location: BG-4
Type: CTP GWATER

Sample #: 30000849
Collection Date: 1/26/2010 12:45:00
ONS GROUND WATER PROTECTION PROGRAM | BG-4

GAMMA GW **GAMMA GROUND WATER ANALYSIS**

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
K40	9.263E+01 2.124E+01	40.15	No limits specified	No limits specified

H3GW **TRITIUM ANALYSIS OF GROUND WATER**

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
H3	< 8.35E+00	162	No limits specified	No limits specified

Field Parameters

Elevation (ft (msl)) 812.52
pH (field) SU 6.64
Temp Celcius (degrees C) 15.34
Dissolved Oxygen (mg/L) NA

Spec. Cond. (field) micromhos/cm 51.70
Oxidation Reduction Potential (ORP)(mV) NA
Turbidity (field) NTU 2.72

Station: OCONEE
Location: GM-1R
Type: GROUND WATER

Sample #: 30000850
Collection Date: 1/26/2010 09:15:00
ONS GROUND WATER PROTECTION PROGRAM | GM-1R

GAMMA GW **GAMMA GROUND WATER ANALYSIS**

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
MN54	< 3.996E+00 0.000E+00	3.996	Less than 1000	Less than 15.00
CO58	< 4.016E+00 0.000E+00	4.016	Less than 1000	Less than 15.00
FE59	< 8.434E+00 0.000E+00	8.434	Less than 400.0	Less than 30.00
CO60	< 4.609E+00 0.000E+00	4.609	Less than 300.0	Less than 15.00
ZN65	< 9.191E+00 0.000E+00	9.191	Less than 300.0	Less than 30.00
NB95	< 5.205E+00 0.000E+00	5.205	Less than 400.0	Less than 15.00
ZR95	< 7.662E+00 0.000E+00	7.662	Less than 400.0	Less than 15.00
I131	< 7.393E+00 0.000E+00	7.393	Less than 2.000	Less than 15.00
CS134	< 3.808E+00 0.000E+00	3.808	Less than 30.00	Less than 15.00
CS137	< 4.095E+00 0.000E+00	4.095	Less than 50.00	Less than 18.00
BALA140	< 8.444E+00 0.000E+00	8.444	Less than 200.0	Less than 15.00
BE7	< 3.516E+01 0.000E+00	35.16	No limits specified	No limits specified
K40	< 7.331E+01 0.000E+00	73.31	No limits specified	No limits specified

H3GW **TRITIUM ANALYSIS OF GROUND WATER**

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
H3	< 1.53E+01	174	Less than 20000	Less than 2000

Field Parameters

Elevation (ft (msl)) 794.61
pH (field) SU 6.12
Temp Celcius (degrees C) 17.03
Dissolved Oxygen (mg/L) 4.55

Spec. Cond. (field) micromhos/cm 115.0
Oxidation Reduction Potential (ORP)(mV) 393
Turbidity (field) NTU 24.30



Report Generated: 3/10/2010 14:10:58

Station: OCONEE

Sample #: 30000851

Location: GM-2R

Collection Date: 1/25/2010 12:00:00

Type: GROUND WATER

ONS GROUND WATER PROTECTION PROGRAM | GM-2R

ALPHA H20 P GROSS ALPHA WATER ANALYSIS (PICOCURIES)

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
ALPHA	< 8.40E-01	1.68	No limits specified	No limits specified

BETA H20 GROSS BETA WATER ANALYSIS

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
BETA	2.640E+00 4.470E-01	1.32	No limits specified	No limits specified

FE55 FE55 ANALYSIS

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
FE55	< 5.46E+01		No limits specified	No limits specified

GAMMA GW GAMMA GROUNDWATER ANALYSIS

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
MN54	< 4.238E+00 0.000E+00	4.238	Less than 1000	Less than 15.00
CO58	< 4.163E+00 0.000E+00	4.163	Less than 1000	Less than 15.00
FE59	< 8.340E+00 0.000E+00	8.340	Less than 400.0	Less than 30.00
CO60	< 4.384E+00 0.000E+00	4.384	Less than 300.0	Less than 15.00
ZN65	< 9.358E+00 0.000E+00	9.358	Less than 300.0	Less than 30.00
NB95	< 6.161E+00 0.000E+00	6.161	Less than 400.0	Less than 15.00
ZR95	< 7.792E+00 0.000E+00	7.792	Less than 400.0	Less than 15.00
IT31	< 6.636E+00 0.000E+00	6.636	Less than 2.000	Less than 15.00
CS134	< 4.308E+00 0.000E+00	4.308	Less than 30.00	Less than 15.00
CS137	< 4.096E+00 0.000E+00	4.096	Less than 50.00	Less than 18.00
BALA140	< 6.792E+00 0.000E+00	6.792	Less than 200.0	Less than 15.00
BE7	< 3.770E+01 0.000E+00	37.70	No limits specified	No limits specified
K40	1.089E+02 3.277E+01	45.87	No limits specified	No limits specified

H3 GW TRITIUM ANALYSIS OF GROUND WATER

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
H3	4.020E+03 1.010E+02	174	Less than 20000	Less than 2000

NI63 NI63 ANALYSIS

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
NI63	< 1.67E+01		No limits specified	No limits specified

SR89 SR89 & SR90Y RADIOSTRONTIUM (SR89 & SR90Y)

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
SR89	< 1.71E+00		No limits specified	No limits specified



Report Generated: 3/10/2010 14:10:58

Station: OCONEE
Location: GM-2R
Type: GROUND WATER

Sample #: 30000851
Collection Date: 1/25/2010 12:00:00
ONS GROUND WATER PROTECTION PROGRAM | GM-2R

SR89SR90 RADIOSTRONTIUM (SR89 & SR90)

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
SR90	< 1.80E+00		No limits specified	No limits specified

Field Parameters

Elevation (ft (msl)) 772.63 Spec. Cond. (field) micromhos/cm 168.7
pH (field) SU 6.13 Oxidation Reduction Potential (ORP)(mV) 399
Temp Celsius (degrees C) 18.63 Turbidity (field) NTU 41.00
Dissolved Oxygen (mg/L) 6.38

Station: OCONEE
Location: GM-2DR
Type: GROUND WATER

Sample #: 30000852
Collection Date: 1/25/2010 12:15:00
ONS GROUND WATER PROTECTION PROGRAM | GM-2DR

ALPHA H20 P Gross Alpha Water Analysis (PICO CURIES)

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
ALPHA	9.840E+00 9.840E-01	2.13	No limits specified	No limits specified

BETA H20 Gross Beta Water Analysis

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
BETA	1.360E+01 7.160E-01	1.42	No limits specified	No limits specified

FE55 FE55 ANALYSIS

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
FE55	< 6.65E+01		No limits specified	No limits specified

GAMMA GW GAMMA GROUND WATER ANALYSIS

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
MN54	< 4.137E+00 0.000E+00	4.137	Less than 1000	Less than 15.00
CO58	< 4.253E+00 0.000E+00	4.253	Less than 1000	Less than 15.00
FE59	< 7.914E+00 0.000E+00	7.914	Less than 400.0	Less than 30.00
CO60	< 4.108E+00 0.000E+00	4.108	Less than 300.0	Less than 15.00
ZN65	< 8.755E+00 0.000E+00	8.755	Less than 300.0	Less than 30.00
NB95	< 5.498E+00 0.000E+00	5.498	Less than 400.0	Less than 15.00
ZR95	< 7.757E+00 0.000E+00	7.757	Less than 400.0	Less than 15.00
I131	< 5.456E+00 0.000E+00	5.456	Less than 2.000	Less than 15.00
CS134	< 4.121E+00 0.000E+00	4.121	Less than 30.00	Less than 15.00
CS137	< 3.607E+00 0.000E+00	3.607	Less than 50.00	Less than 18.00
BALA140	< 6.610E+00 0.000E+00	6.610	Less than 200.0	Less than 15.00
BE7	< 3.562E+01 0.000E+00	35.62	No limits specified	No limits specified
K40	7.672E+01 2.224E+01	53.74	No limits specified	No limits specified



Report Generated: 3/10/2010 14:10:58

Station: OCONEE

Sample #: 30000852

Location: GM-2DR

Collection Date: 1/25/2010 12:15:00

Type: GROUND WATER

ONS GROUND WATER PROTECTION PROGRAM | GM-2DR

H3GW

TRITIUM ANALYSIS OF GROUND WATER

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
H3	1.900E+03 7.890E+01	174	Less than 20000	Less than 2000

NI63

NI63 ANALYSIS

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
NI63	< 1.66E+01		No limits specified	No limits specified

SR89SR90

RADIOSTRONTIUM (SR89 & SR90)

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
SR89	< 1.60E+00		No limits specified	No limits specified
SR90	< 1.82E+00		No limits specified	No limits specified

Field Parameters

Elevation (ft (mst)) 762.93

Spec. Cond. (field) micromhos/cm 367.6

pH (field) SU 7.19

Oxidation Reduction Potential (ORP)(mV) 366

Temp Celcius (degrees C) 18.21

Turbidity (field) NTU 13.30

Dissolved Oxygen (mg/L) 11.06

Station: OCONEE

Sample #: 30000853

Location: GM-3R

Collection Date: 1/25/2010 11:20:00

Type: GROUND WATER

ONS GROUND WATER PROTECTION PROGRAM | GM-3R

ALPHA20P

GROSS ALPHA WATER ANALYSIS (PICOCURIES)

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
ALPHA	< 1.70E+00	2.21	No limits specified	No limits specified

BETAH20P

GROSS BETA WATER ANALYSIS

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
BETA	2.350E+00 4.760E-01	1.44	No limits specified	No limits specified

FE55

FE55 ANALYSIS

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
FE55	< 7.60E+01		No limits specified	No limits specified

GAMMA20P

GAMMA GROUND WATER ANALYSIS

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
MN54	< 3.520E+00 0.000E+00	3.520	Less than 1000	Less than 15.00
CO58	< 3.499E+00 0.000E+00	3.499	Less than 1000	Less than 15.00
FE59	< 6.529E+00 0.000E+00	6.529	Less than 400.0	Less than 30.00
CO60	< 4.065E+00 0.000E+00	4.065	Less than 300.0	Less than 15.00
ZN65	< 7.733E+00 0.000E+00	7.733	Less than 300.0	Less than 30.00
NB95	< 4.041E+00 0.000E+00	4.041	Less than 400.0	Less than 15.00



Report Generated: 3/10/2010 14:10:58

Station: OCONEE

Sample #: 30000853

Location: GM-3R

Collection Date: 1/25/2010 11:20:00

Type: GROUND WATER

ONS GROUND WATER PROTECTION PROGRAM | GM-3R

GAMMA GW GAMMA GROUND WATER ANALYSIS

Units: pCi/liter

	Activity - Error		Calculated MDA	Reporting Level	REMP LLD
ZR95	< 6.542E+00	0.000E+00	6.542	Less than 400.0	Less than 15.00
I131	< 4.729E+00	0.000E+00	4.729	Less than 2.000	Less than 15.00
CS134	< 3.540E+00	0.000E+00	3.540	Less than 30.00	Less than 15.00
CS137	< 3.302E+00	0.000E+00	3.302	Less than 50.00	Less than 18.00
BALA140	< 5.588E+00	0.000E+00	5.588	Less than 200.0	Less than 15.00
BE7	< 3.041E+01	0.000E+00	30.41	No limits specified	No limits specified
K40	6.864E+01	2.133E+01	38.78	No limits specified	No limits specified

H3 GW TRITIUM ANALYSIS OF GROUND WATER

Units: pCi/liter

	Activity - Error		Calculated MDA	Reporting Level	REMP LLD
H3	< 1.38E+02		174	Less than 20000	Less than 2000

NI63 NI63 ANALYSIS

Units: pCi/liter

	Activity - Error		Calculated MDA	Reporting Level	REMP LLD
NI63	< 1.74E+01			No limits specified	No limits specified

SR89SR90 RADIOSTRONTIUM (SR89 & SR90)

Units: pCi/liter

	Activity - Error		Calculated MDA	Reporting Level	REMP LLD
SR89	< 1.58E+00			No limits specified	No limits specified
SR90	< 1.82E+00			No limits specified	No limits specified

Field Parameters

Elevation (ft (msl)) 772.15

Spec. Cond. (field) micromhos/cm 69.20

pH (field) SU 5.73

Oxidation Reduction Potential (ORP)(mV) 387

Temp Celcius (degrees C) 17.96

Turbidity (field) NTU 26.90

Dissolved Oxygen (mg/L) 1.79

Station: OCONEE

Sample #: 30000854

Location: GM-3DR

Collection Date: 1/25/2010 11:35:00

Type: GROUND WATER

ONS GROUND WATER PROTECTION PROGRAM | GM-3DR

ALPHA H2O2 GROSS ALPHA WATER ANALYSIS (PICOCURIES)

Units: pCi/liter

	Activity - Error		Calculated MDA	Reporting Level	REMP LLD
ALPHA	1.830E+00	5.240E-01	1.56	No limits specified	No limits specified

BETA H2O2 GROSS BETA WATER ANALYSIS (PICOCURIES)

Units: pCi/liter

	Activity - Error		Calculated MDA	Reporting Level	REMP LLD
BETA	4.140E+00	4.790E-01	1.30	No limits specified	No limits specified



Report Generated: 3/10/2010 14:10:58

Station: OCONEE
Location: GM-3DR
Type: GROUND WATER

Sample #: 30000854
Collection Date: 1/25/2010 11:35:00
ONS GROUND WATER PROTECTION PROGRAM | GM-3DR

FE55 FE55 ANALYSIS

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
FE55	< 6.68E+01		No limits specified	No limits specified

GAMMA GW GAMMA GROUND WATER ANALYSIS

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
MN54	< 4.468E+00 0.000E+00	4.468	Less than 1000	Less than 15.00
CO58	< 4.392E+00 0.000E+00	4.392	Less than 1000	Less than 15.00
FE59	< 9.976E+00 0.000E+00	9.976	Less than 400.0	Less than 30.00
CO60	< 4.408E+00 0.000E+00	4.408	Less than 300.0	Less than 15.00
ZN65	< 9.988E+00 0.000E+00	9.988	Less than 300.0	Less than 30.00
NB95	< 5.806E+00 0.000E+00	5.806	Less than 400.0	Less than 15.00
ZR95	< 7.530E+00 0.000E+00	7.530	Less than 400.0	Less than 15.00
I131	< 8.049E+00 0.000E+00	8.049	Less than 2.000	Less than 15.00
CS134	< 4.394E+00 0.000E+00	4.394	Less than 30.00	Less than 15.00
CS137	< 4.283E+00 0.000E+00	4.283	Less than 50.00	Less than 18.00
BALA140	< 8.154E+00 0.000E+00	8.154	Less than 200.0	Less than 15.00
BE7	< 3.816E+01 0.000E+00	38.16	No limits specified	No limits specified
K40	< 6.000E+01 0.000E+00	60.00	No limits specified	No limits specified

H3 GW TRITIUM ANALYSIS OF GROUND WATER

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
H3	< 1.54E+02	173	Less than 20000	Less than 2000

NI63 NI63 ANALYSIS

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
NI63	< 1.61E+01		No limits specified	No limits specified

SR89SR90 RADIOSTRONTIUM (SR89 & SR90)

Units: pCi/liter

	Activity - Error	Calculated MDA	Reporting Level	REMP LLD
SR89	< 1.58E+00		No limits specified	No limits specified
SR90	< 1.81E+00		No limits specified	No limits specified

Field Parameters

Elevation (ft (msl)) 773.29	Spec. Cond. (field) micromhos/cm 102.4
pH (field) SU 8.11	Oxidation Reduction Potential (ORP)(mV) 311
Temp Celcius (degrees C) 17.80	Turbidity (field) NTU 7.76
Dissolved Oxygen (mg/L) 3.59	



Report Generated: 3/10/2010 14:10:58

Station: OCONEE

Sample #: 30000855

Location: GM-4

Collection Date: 1/25/2010 14:45:00

Type: GROUND WATER

ONS GROUND WATER PROTECTION PROGRAM | GM-4

GAMMA GW GAMMA GROUND WATER ANALYSIS

Units: pCi/liter

	Activity - Error		Calculated MDA	Reporting Level	REMP LLD
MN54	< 4.513E+00	0.000E+00	4.513	Less than 1000	Less than 15.00
CO58	< 5.249E+00	0.000E+00	5.249	Less than 1000	Less than 15.00
FE59	< 8.794E+00	0.000E+00	8.794	Less than 400.0	Less than 30.00
CO80	< 5.136E+00	0.000E+00	5.136	Less than 300.0	Less than 15.00
ZN65	< 9.299E+00	0.000E+00	9.289	Less than 300.0	Less than 30.00
NB95	< 5.156E+00	0.000E+00	5.156	Less than 400.0	Less than 15.00
ZR95	< 6.698E+00	0.000E+00	6.698	Less than 400.0	Less than 15.00
I131	< 8.104E+00	0.000E+00	8.104	Less than 2.000	Less than 15.00
CS134	< 4.475E+00	0.000E+00	4.475	Less than 30.00	Less than 15.00
CS137	< 3.819E+00	0.000E+00	3.819	Less than 50.00	Less than 18.00
BALA140	< 7.998E+00	0.000E+00	7.998	Less than 200.0	Less than 15.00
BE7	< 3.614E+01	0.000E+00	36.14	No limits specified	No limits specified
K40	7.053E+01	1.878E+01	50.37	No limits specified	No limits specified

H3GW TRITIUM ANALYSIS OF GROUND WATER

Units: pCi/liter

	Activity - Error		Calculated MDA	Reporting Level	REMP LLD
H3	3.060E+02	5.800E+01	174	Less than 20000	Less than 2000

Field Parameters

Elevation (ft (msl)) 791.04
pH (field) SU 5.49
Temp Celcius (degrees C) 17.92
Dissolved Oxygen (mg/L) 1.00

Spec. Cond. (field) micromhos/cm 30.60
Oxidation Reduction Potential (ORP)(mV) 391
Turbidity (field) NTU 11.30

Station: OCONEE

Sample #: 30000856

Location: GM-5

Collection Date: 1/25/2010 13:15:00

Type: GROUND WATER

ONS GROUND WATER PROTECTION PROGRAM | GM-5

GAMMA GW GAMMA GROUND WATER ANALYSIS

Units: pCi/liter

	Activity - Error		Calculated MDA	Reporting Level	REMP LLD
MN54	< 4.148E+00	0.000E+00	4.148	Less than 1000	Less than 15.00
CO58	< 4.289E+00	0.000E+00	4.289	Less than 1000	Less than 15.00
FE59	< 6.451E+00	0.000E+00	6.451	Less than 400.0	Less than 30.00
CO60	< 5.223E+00	0.000E+00	5.223	Less than 300.0	Less than 15.00
ZN65	< 8.772E+00	0.000E+00	8.772	Less than 300.0	Less than 30.00
NB95	< 4.241E+00	0.000E+00	4.241	Less than 400.0	Less than 15.00
ZR95	< 6.407E+00	0.000E+00	6.407	Less than 400.0	Less than 15.00
I131	< 7.248E+00	0.000E+00	7.248	Less than 2.000	Less than 15.00
CS134	< 3.521E+00	0.000E+00	3.521	Less than 30.00	Less than 15.00
CS137	< 3.705E+00	0.000E+00	3.705	Less than 50.00	Less than 18.00
BALA140	< 7.415E+00	0.000E+00	7.415	Less than 200.0	Less than 15.00
BE7	< 2.751E+01	0.000E+00	27.51	No limits specified	No limits specified



Report Generated: 3/10/2010 14:10:58

Station: OCONEE

Sample #: 30000856

Location: GM-5

Collection Date: 1/25/2010 13:15:00

Type: GROUND WATER

ONS GROUND WATER PROTECTION PROGRAM | GM-5

GAMMA GROUND WATER ANALYSIS

Units: pCi/liter

K40

Activity - Error	Calculated MDA	Reporting Level	REMP LLD
< 7.112E+01 0.000E+00	71.12	No limits specified	No limits specified

TRITIUM ANALYSIS OF GROUND WATER

Units: pCi/liter

H3

Activity - Error	Calculated MDA	Reporting Level	REMP LLD
< 1.41E+02	174	Less than 20000	Less than 2000

Field Parameters

Elevation (ft (msl)) 765.20

pH (field) SU 5.82

Temp Celcius (degrees C) 18.33

Dissolved Oxygen (mg/L) 5.78

Spec. Cond. (field) micromhos/cm 54.20

Oxidation Reduction Potential (ORP)(mV) 407

Turbidity (field) NTU 371.0

Station: OCONEE

Sample #: 30000857

Location: GM-5R

Collection Date: 1/25/2010 13:30:00

Type: GROUND WATER

ONS GROUND WATER PROTECTION PROGRAM | GM-5R

GAMMA GROUND WATER ANALYSIS

Units: pCi/liter

MN54

Activity - Error	Calculated MDA	Reporting Level	REMP LLD
< 4.108E+00 0.000E+00	4.108	Less than 1000	Less than 15.00
< 3.988E+00 0.000E+00	3.988	Less than 1000	Less than 15.00
< 8.059E+00 0.000E+00	8.059	Less than 400.0	Less than 30.00
< 4.198E+00 0.000E+00	4.198	Less than 300.0	Less than 15.00
< 8.682E+00 0.000E+00	8.682	Less than 300.0	Less than 30.00
< 6.124E+00 0.000E+00	6.124	Less than 400.0	Less than 15.00
< 6.946E+00 0.000E+00	6.946	Less than 400.0	Less than 15.00
< 5.935E+00 0.000E+00	5.935	Less than 2.000	Less than 15.00
< 4.036E+00 0.000E+00	4.036	Less than 30.00	Less than 15.00
< 3.770E+00 0.000E+00	3.770	Less than 50.00	Less than 18.00
< 6.559E+00 0.000E+00	6.559	Less than 200.0	Less than 15.00
< 3.459E+01 0.000E+00	34.59	No limits specified	No limits specified
1.050E+02 2.374E+01	43.52	No limits specified	No limits specified

CO58

FE59

CO60

ZN65

NB95

ZR95

I131

CS134

CS137

BALA140

BE7

K40

TRITIUM ANALYSIS OF GROUND WATER

Units: pCi/liter

H3

Activity - Error	Calculated MDA	Reporting Level	REMP LLD
< 1.33E+02	174	Less than 20000	Less than 2000

Field Parameters

Elevation (ft (msl)) 756.65

pH (field) SU 6.24

Temp Celcius (degrees C) 17.86

Dissolved Oxygen (mg/L) 1.31

Spec. Cond. (field) micromhos/cm 36.60

Oxidation Reduction Potential (ORP)(mV) 358

Turbidity (field) NTU 3.53



Report Generated: 3/10/2010 14:10:58

Station: OCONEE
Location: GM-6
Type: GROUND WATER

Sample #: 30000858
Collection Date: 1/26/2010 14:50:00
ONS GROUND WATER PROTECTION PROGRAM | GM-6

GAMMA GW GAMMA GROUND WATER ANALYSIS

Units: pCi/liter

	Activity - Error		Calculated MDA	Reporting Level		REMP LLD	
MN54	< 3.865E+00	0.000E+00	3.865	Less than	1000	Less than	15.00
CO58	< 4.301E+00	0.000E+00	4.301	Less than	1000	Less than	15.00
FE59	< 9.473E+00	0.000E+00	9.473	Less than	400.0	Less than	30.00
CO60	< 4.767E+00	0.000E+00	4.767	Less than	300.0	Less than	15.00
ZN65	< 9.786E+00	0.000E+00	9.786	Less than	300.0	Less than	30.00
NB95	< 5.135E+00	0.000E+00	5.135	Less than	400.0	Less than	15.00
ZR95	< 7.331E+00	0.000E+00	7.331	Less than	400.0	Less than	15.00
I131	< 5.775E+00	0.000E+00	5.775	Less than	2.000	Less than	15.00
CS134	< 4.562E+00	0.000E+00	4.562	Less than	30.00	Less than	15.00
CS137	< 4.742E+00	0.000E+00	4.742	Less than	50.00	Less than	18.00
BALA140	< 6.326E+00	0.000E+00	6.326	Less than	200.0	Less than	15.00
BE7	< 3.728E+01	0.000E+00	37.28	No limits specified		No limits specified	
K40	9.407E+01	2.889E+01	38.93	No limits specified		No limits specified	

H3GW TRITIUM ANALYSIS OF GROUND WATER

Units: pCi/liter

	Activity - Error		Calculated MDA	Reporting Level		REMP LLD	
H3	< 1.08E+02		173	Less than	20000	Less than	2000

Field Parameters

Elevation (ft (msl)) 729.03
pH (field) SU 5.74
Temp Celcius (degrees C) 17.90
Dissolved Oxygen (mg/L) 2.57

Spec. Cond. (field) micromhos/cm 29.70
Oxidation Reduction Potential (ORP)(mV) 391
Turbidity (field) NTU 22.30

Station: OCONEE
Location: GM-6R
Type: GROUND WATER

Sample #: 30000859
Collection Date: 1/26/2010 14:25:00
ONS GROUND WATER PROTECTION PROGRAM | GM-6R

GAMMA GW GAMMA GROUND WATER ANALYSIS

Units: pCi/liter

	Activity - Error		Calculated MDA	Reporting Level		REMP LLD	
MN54	< 3.987E+00	0.000E+00	3.987	Less than	1000	Less than	15.00
CO58	< 4.007E+00	0.000E+00	4.007	Less than	1000	Less than	15.00
FE59	< 7.476E+00	0.000E+00	7.476	Less than	400.0	Less than	30.00
CO60	< 3.972E+00	0.000E+00	3.972	Less than	300.0	Less than	15.00
ZN65	< 8.571E+00	0.000E+00	8.571	Less than	300.0	Less than	30.00
NB95	< 5.761E+00	0.000E+00	5.761	Less than	400.0	Less than	15.00
ZR95	< 6.714E+00	0.000E+00	6.714	Less than	400.0	Less than	15.00
I131	< 5.487E+00	0.000E+00	5.487	Less than	2.000	Less than	15.00
CS134	< 3.947E+00	0.000E+00	3.947	Less than	30.00	Less than	15.00
CS137	< 3.797E+00	0.000E+00	3.797	Less than	50.00	Less than	18.00
BALA140	< 5.850E+00	0.000E+00	5.850	Less than	200.0	Less than	15.00
BE7	< 3.506E+01	0.000E+00	35.06	No limits specified		No limits specified	



For Detailed Instructions, see:
<http://dewwww/essenv/coc/>

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST FORM

Duke Energy EnRad Laboratories

Mail Code MGO3A2 (Building 7405)
13339 Hagers Ferry Rd
Huntersville, N. C. 28078
(704) 875-5371
Fax: (704) 875-5559

Analytical Laboratory Use Only

09-DEC-0015

Sample Class

Samples
Originating From NC
SC ☒

Logged By

COPY

SAMPLE PROGRAM
Ground Water
NPDES
Drinking Water
UST
RCRA Waste

Vendor

Cooler Temp (C)

PO #

1=Preserv.:1=HCL
2=H₂SO₄, 3=HNO₃
4=Ice 5=None

MR #

Customer to complete all
appropriate NON-SHADED areas.

Analyses
Required

1) Project Name ONS Groundwater Protection Program - Tritium	2) Phone No: 876-5257
3) Client: C. Campbell / Tim Hunsucker	4) Fax No: 876-4348
5) Business Unit: 20048	6) Process: BRGENGN
7) Resp. To: ON00	
8) Project ID:	9) Activity ID:
10) Mail Code: MGO3A3	

LAB USE ONLY
11 Lab ID
30000838
30000839
30000840
30000841
30000842
30000843
30000844
30000845
30000846
30000847
30000848
30000849

12 Chem Desktop No.	13 Sample Description or ID	14 Collection Information			17 Comp.	18 Grab	GAMMA	TRITIUM	Sr89/Sr90	FE-55	NI-63	GROSS ALPHA / BETA	20 Total # of Analyses
		Date	Time	Signature									
	A-1	1/26/10	0740	Ra. Wh.		X	1	1					2
	A-2	1/26/10	0830	Ra. Wh.		X	1	1					2
	A-8 No Sample (RW)					X	1	1					2
	A-9	1/25/10	1410	LD Cell		X	1	1					2
	A-10	1/26/10	1520	LD Cell		X	1	1					2
	A-11	1/26/10	1435	LD Cell		X	1	1					2
	A-12	1/26/10	1400	Ra. Wh.		X	1	1					2
	A-13	1/25/10	1525	LD Cell		X	1	1					2
	A-14	1/25/10	1510	LD Cell		X	1	1	2	1	1	1	7
	A-17	1/26/10	1100	Ra. Wh.		X	1	1					2
	A-18	1/26/10	1030	Ra. Wh.		X	1	1					2
	BG-4	1/26/10	1245	LD Cell		X	1	1					2
													0
													0

Customer to sign & date below

21) Relinquished By: <u>Tim Hunsucker</u>	Date/Time: <u>1/28/10 0600</u>	Accepted By: <u>Bill DesVaux</u>	Date/Time: <u>1/28/10 0600</u>
Relinquished By:	Date/Time:	Accepted By:	Date/Time:
Relinquished By:	Date/Time:	Accepted By:	Date/Time:
22) Sealed/Locked By:	Date/Time:	Sealed/Unlocked By:	Date/Time:
24) Comments:			

Customer, important please indicate desired turnaround	22) Requested Turnaround
	14 Days ☒
	7 Days ☐
	48 Hr ☐
	* Other: ☐ * Add. Cost Will Apply



For Detailed Instructions, see:
<http://dewwww/essenvicool>

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST FORM

Duke Energy EnRad Laboratories

Mail Code MGO3A2 (Building 7405)
13339 Hagers Ferry Rd
Huntersville, N. C. 28078
(704) 87

Analytical Laboratory Use Only

09-DEC-0016	Sample Class	Samples Originating From
Logged By	Date & Time	NC SC <u>Y</u>
Vendor		SAMPLE PROGRAM Ground Water <u>✓</u> NPDES Drinking Water UST RCRA Waste

15 Page 2 of 4
DISTRIBUTION
ORIGINAL to LAB.
COPY to CLIENT

1) Project Name ONS Groundwater Protection Program - Tritium	2) Phone No: 876-8287
3) Client C. Campbell / Tim Hunsucker	4) Fax No: 876-4349
5) Business Unit: 20048	6) Process: BRGENGN
7) Project ID:	8) Activity ID:
9) Resp. To: ON00	10) Mail Code: MGO3A3

PO #	11 Preserv.: 1=HCL 2=H ₂ SO ₄ , 3=HNO ₃ 4=Ice 5=None	3	5	3	3	3	3			
MR #	12 Analyses Required	17 Comp.	18 Grab	GAMMA	TRITIUM	Sr99/Sr90	FE-55	NI-63	GROSS ALPHA / BETA	20 Total # of Containers

Customer to complete all appropriate NON-SHADED areas.

LAB USE ONLY
11 Lab ID
30000850
30000851
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30000876

12 Chem Desktop No.	13 Sample Description or ID	14 Collection Information	17 Comp.	18 Grab	GAMMA	TRITIUM	Sr99/Sr90	FE-55	NI-63	GROSS ALPHA / BETA	20 Total # of Containers
Date	Time	Signature									
1/26/10	0915	Tim Hunsucker	X		1	1					2
1/25/10	1200	TO S. L. H.	X		1	1	2	1	1	1	7
1/25/10	1215	TO S. L. H.	X		1	1	2	1	1	1	7
1/25/10	1120	TO S. L. H.	X		1	1	2	1	1	1	7
1/25/10	1135	TO S. L. H.	X		1	1	2	1	1	1	7
1/25/10	1445	TO S. L. H.	X		1	1					2
1/25/10	1315	TO S. L. H.	X		1	1					2
1/25/10	1330	TO S. L. H.	X		1	1					2
1/26/10	1450	TO S. L. H.	X		1	1					2
1/26/10	1425	TO S. L. H.	X		1	1					2
1/26/10	0940	TO S. L. H.	X		1	1	2	1	1	1	7
1/26/10	0920	TO S. L. H.	X		1	1	2	1	1	1	7
1/25/10	1200	TO S. L. H.	X		1	1	2	1	1	1	7

Customer to sign & date below

21) Relinquished By: <u>Tim Hunsucker</u>	Date/Time: <u>1/25/10 0600</u>	Accepted By: <u>Gill Deshaux</u>	Date/Time: <u>1/28/10 0600</u>
Relinquished By:	Date/Time:	Accepted By:	Date/Time:
Relinquished By:	Date/Time:	Accepted By:	Date/Time:
23) Sealed/Opened By:	Date/Time:	Sealed/Lock Opened By:	Date/Time:
24) Comments:			

Customer, important please indicate desired turnaround

22) Requested Turnaround

14 Days ✓

7 Days

48 Hr

Other

* Add. Cost Will Apply



For Detailed Instructions, see:
<http://dewwww/essenvicod/>

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST FORM

Duke Energy EnRad Laboratories

Mail Code MGO3A2 (Building 7405)
13339 Hagers Ferry Rd
Huntersville, N. C. 28078
(704) 876-5371
Fax: (704) 875-5559

Analytical Laboratory Use Only

10-JAN-0006	Sample Class	Sample Originating From	NC SC
Logged By: <i>Chadwick</i>	Date & Time: <i>1/28/10 08:40</i>	SAMPLE PROGRAM Ground Water ☒ NPDES Drinking Water UST RCRA Waste	
Vendor	Cooler Temp (C)		

19 Page 1 of 2
DISTRIBUTION
ORIGINAL to LAB.
COPY to CLIENT

1) Project Name ONS Groundwater Protection Program - Tritium	2) Phone No: 876-8257
3) Client Tim Hunsucker / Libby Wehrman / Cindy Martinec	4) Fax No: 876-4348
5) Business Unit: 20048	6) Process: BRGENGN
7) Resp. To: ON00	
8) Project ID:	9) Activity ID:
10) Mail Code: MGO3A3	

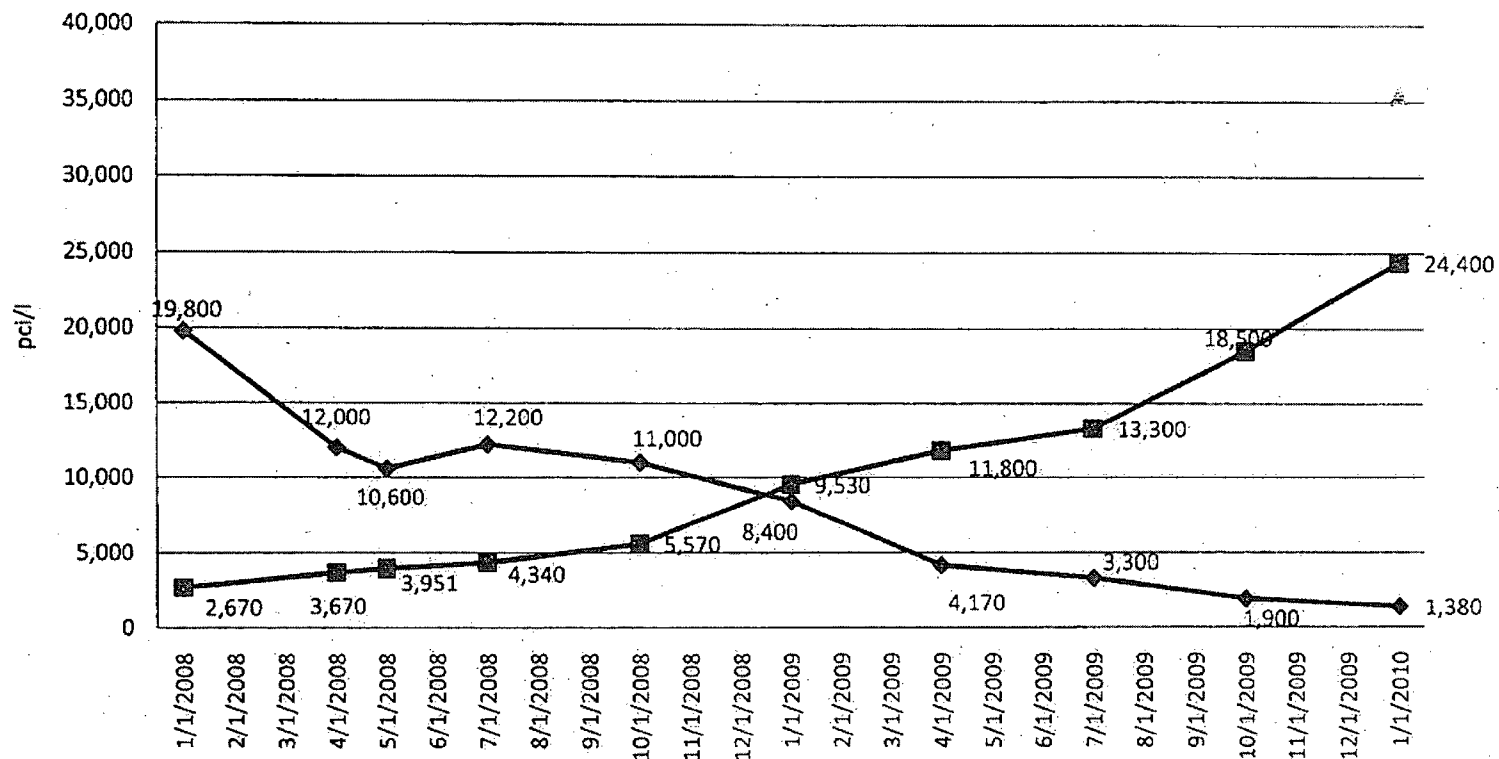
LAB USE ONLY
11 Lab ID
30001386
30001387
30001388
30001389
30001390
30001391
30001392
30001393
30001394
30001395
30001396

12 Chem Desktop No.	13 Sample Description or ID	14 Collection Information			17 Comp.	18 Grab	GAMMA	TRITIUM	S-89/S-80	FE-55	NI-63	GROSS ALPHA / BETA	20 Total # of Containers
		Date	Time	Signature									
	GM-7DR	1/26/10	1720	<i>Chadwick</i>		X	1	1	X	X	X	X	2
	GM-15	1/26/10	1220	<i>Chadwick</i>		X	1	1					2
	GM-15R	1/26/10	1120	<i>Chadwick</i>		X	1	1					2
	GM-16R ✓	1/27/10	1412	<i>Chadwick</i>		X	1	1					2
	GM-16DR ✓✓✓✓	1/27/10	1545	<i>Chadwick</i>		X	1	1	2	1	1	1	5
	GM-17R ✓✓	1/27/10	1035	<i>Chadwick</i>		X	1	1					2
	GM-17DR ✓✓	1/27/10	1215	<i>Chadwick</i>		X	1	1					2
	GM-18R					X	1	1					2
	GM-18DR					X	1	1					2
	GM-19	1/25/10	1705	<i>Chadwick</i>		X	1	1					2
	GM-19R	1/26/10	0748	<i>Chadwick</i>		X	1	1					2
													0
													0
													0

21 Relinquished By: <i>Chadwick</i>	Date/Time: <i>1/27/10 0807</i>	Accepted By: <i>Chadwick</i>	Date/Time: <i>1/27/10 0807</i>
Relinquished By: <i>Chadwick</i>	Date/Time: <i>1/27/10 1715</i>	Accepted By: <i>Chadwick</i>	Date/Time: <i>1-27-10 1815</i>
Relinquished By:	Date/Time:	Accepted By:	Date/Time:
22 Sealed/Opened By:	Date/Time:	Sealed/Opened By:	Date/Time:
23 Comments:			

Customer, important please indicate desired turnaround	22 Requested Turnaround Days: <u>1</u> 7 Days 48 Hr Other * Add. Cost Will Apply
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Groundwater Tritium Values GM-7, GM-7R and GM-7DR



	1/8/2008	4/8/2008	5/22/2008	7/8/2008	10/21/2008	1/27/2009	4/6/2009	7/7/2009	10/6/2009	1/26/2010
GM-7	19,800	12,000	10,600	12,200	11,000	8,400	4,170	3,300	1,900	1,380
GM-7R	2,670	3,670	3,951	4,340	5,570	9,530	11,800	13,300	18,500	24,400
GM-7DR										35400

Note: The initial sample results for GM-7DR are shown in the above table. This well installation was completed on 12/8/2009 and the initial sample collected on 01/26/2010. The initial well development occurred on January 18, 2010.

H-3 SUMMARY REPORT
 JOBS: 09-DEC-0010, 09-DEC-0014, 09-DEC-0015, 09-DEC-0016, 10-JAN-0006
 REPORT GENERATED @ 03/10/2010 14:21:31

SAMPLE DESCRIPTION	JOB#	DATE	SAMPLE ID#	ACTIVITY (PCI/L)	1 SIGMA ERROR	MDA (PCI/L)
ONS LANDFILL MW-3	09-DEC-0010	01/27/2010	30000820	<178.0		178
ONS LANDFILL MW-11	09-DEC-0010	01/27/2010	30000821	<178.0		178
ONS LANDFILL MW-11D	09-DEC-0010	01/27/2010	30000822	251.0	112.0	178
ONS LANDFILL MW-13	09-DEC-0010	01/27/2010	30000823	208.0	110.0	178
ONS LANDFILL MW-16	09-DEC-0010	01/27/2010	30000824	195.0	110.0	178
ONS TUBE BURIAL MW-RP01	09-DEC-0014	01/25/2010	30000835	< 76.7		160
ONS TUBE BURIAL MW-RP02	09-DEC-0014	01/26/2010	30000836	< 65.8		159
ONS TUBE BURIAL MW-RP03	09-DEC-0014	01/26/2010	30000837	<-12.9		166
ONS GROUND WATER PROTECTION PROGRAM A-1	09-DEC-0015	01/26/2010	30000838	228.0	53.2	162
ONS GROUND WATER PROTECTION PROGRAM A-2	09-DEC-0015	01/26/2010	30000839	< 4.3		162
ONS GROUND WATER PROTECTION PROGRAM A-9	09-DEC-0015	01/25/2010	30000841	<154.0		162
ONS GROUND WATER PROTECTION PROGRAM A-10	09-DEC-0015	01/26/2010	30000842	288.0	54.6	163
ONS GROUND WATER PROTECTION PROGRAM A-11	09-DEC-0015	01/26/2010	30000843	< 54.4		163
ONS GROUND WATER PROTECTION PROGRAM A-12	09-DEC-0015	01/26/2010	30000844	< 8.7		163
ONS GROUND WATER PROTECTION PROGRAM A-13	09-DEC-0015	01/25/2010	30000845	681.0	60.6	163
ONS GROUND WATER PROTECTION PROGRAM A-14	09-DEC-0015	01/25/2010	30000846	397.0	56.3	163
ONS GROUND WATER PROTECTION PROGRAM A-17	09-DEC-0015	01/26/2010	30000847	< 68.4		160
ONS GROUND WATER PROTECTION PROGRAM A-18	09-DEC-0015	01/26/2010	30000848	<155.0		158
ONS GROUND WATER PROTECTION PROGRAM BG-4	09-DEC-0015	01/26/2010	30000849	< 8.4		162
ONS GROUND WATER PROTECTION PROGRAM GM-1R	09-DEC-0016	01/26/2010	30000850	< 15.3		174
ONS GROUND WATER PROTECTION PROGRAM GM-2R	09-DEC-0016	01/25/2010	30000851	4020.0	101.0	174
ONS GROUND WATER PROTECTION PROGRAM GM-2DR	09-DEC-0016	01/25/2010	30000852	1900.0	78.9	174
ONS GROUND WATER PROTECTION PROGRAM GM-3R	09-DEC-0016	01/25/2010	30000853	<138.0		174
ONS GROUND WATER PROTECTION PROGRAM GM-3DR	09-DEC-0016	01/25/2010	30000854	<154.0		173
ONS GROUND WATER PROTECTION PROGRAM GM-4	09-DEC-0016	01/25/2010	30000855	306.0	58.0	174
ONS GROUND WATER PROTECTION PROGRAM GM-5	09-DEC-0016	01/25/2010	30000856	<141.0		174
ONS GROUND WATER PROTECTION PROGRAM GM-5R	09-DEC-0016	01/25/2010	30000857	<-133.		174
ONS GROUND WATER PROTECTION PROGRAM GM-6	09-DEC-0016	01/26/2010	30000858	<108.0		173

ONS GROUND WATER PROTECTION PROGRAM GM-6R	09-DEC-0016	01/26/2010	30000859	<-179.		174
ONS GROUND WATER PROTECTION PROGRAM GM-7	09-DEC-0016	01/26/2010	30000860	1380.0	74.2	178
ONS GROUND WATER PROTECTION PROGRAM GM-7R	09-DEC-0016	01/26/2010	30000861	24400.	220.0	178
ONS GROUND WATER PROTECTION PROGRAM GM-8	09-DEC-0016	01/25/2010	30000862	229.0	58.0	178
ONS GROUND WATER PROTECTION PROGRAM GM-8R	09-DEC-0016	01/25/2010	30000863	218.0	57.4	177
ONS GROUND WATER PROTECTION PROGRAM GM-9	09-DEC-0016	01/25/2010	30000864	<158.0		174
ONS GROUND WATER PROTECTION PROGRAM GM-9R	09-DEC-0016	01/25/2010	30000865	<-78.0		177
ONS GROUND WATER PROTECTION PROGRAM GM-10	09-DEC-0016	01/26/2010	30000866	< 4.5		178
ONS GROUND WATER PROTECTION PROGRAM GM-10R	09-DEC-0016	01/26/2010	30000867	195.0	57.4	178
ONS GROUND WATER PROTECTION PROGRAM GM-11	09-DEC-0016	01/26/2010	30000868	<-48.8		176
ONS GROUND WATER PROTECTION PROGRAM GM-11R	09-DEC-0016	01/26/2010	30000869	<-42.8		179
ONS GROUND WATER PROTECTION PROGRAM GM-12	09-DEC-0016	01/26/2010	30000870	<-13.3		174
ONS GROUND WATER PROTECTION PROGRAM GM-12R	09-DEC-0016	01/26/2010	30000871	< 48.6		173
ONS GROUND WATER PROTECTION PROGRAM GM-13	09-DEC-0016	01/26/2010	30000872	<-42.0		173
ONS GROUND WATER PROTECTION PROGRAM GM-13R	09-DEC-0016	01/26/2010	30000873	<-35.0		171
ONS GROUND WATER PROTECTION PROGRAM GM-14	09-DEC-0016	01/26/2010	30000874	< 53.1		173
ONS GROUND WATER PROTECTION PROGRAM GM-14R	09-DEC-0016	01/26/2010	30000875	<-65.3		170
ONS GROUND WATER PROTECTION PROGRAM GM-7DR	10-JAN-0006	01/26/2010	30001386	35400.	256.0	166
ONS GROUND WATER PROTECTION PROGRAM GM-15	10-JAN-0006	01/26/2010	30001387	3830.0	95.4	162
ONS GROUND WATER PROTECTION PROGRAM GM-15R	10-JAN-0006	01/26/2010	30001388	436.0	56.5	162
ONS GROUND WATER PROTECTION PROGRAM GM-16R	10-JAN-0006	01/27/2010	30001389	9130.0	136.0	163
ONS GROUND WATER PROTECTION PROGRAM GM-16DR	10-JAN-0006	01/27/2010	30001390	12600.	157.0	164
ONS GROUND WATER PROTECTION PROGRAM GM-17R	10-JAN-0006	01/27/2010	30001391	8410.0	130.0	161
ONS GROUND WATER PROTECTION PROGRAM GM-17DR	10-JAN-0006	01/27/2010	30001392	2150.0	79.7	165
ONS GROUND WATER PROTECTION PROGRAM GM-19	10-JAN-0006	01/25/2010	30001395	305.0	54.5	162
ONS GROUND WATER PROTECTION PROGRAM GM-19R	10-JAN-0006	01/26/2010	30001396	386.0	55.9	163
ONS GROUND WATER PROTECTION PROGRAM GM-20	10-JAN-0006	01/25/2010	30001397	<-49.7		198
ONS GROUND WATER PROTECTION PROGRAM GM-20R	10-JAN-0006	01/25/2010	30001398	<-51.1		203
ONS GROUND WATER PROTECTION PROGRAM GM-21	10-JAN-0006	01/25/2010	30001399	<-70.8		202
ONS GROUND WATER PROTECTION PROGRAM GM-22	10-JAN-0006	01/25/2010	30001400	< 8.6		197
ONS GROUND WATER PROTECTION PROGRAM GM-23	10-JAN-0006	01/26/2010	30001401	467.0	69.7	201

```
*****
AVERAGE H3 ACTIVITY:  4320.40
MAXIMUM H3 ACTIVITY:  35400.00
MINIMUM H3 ACTIVITY:   195.00
*****
*****
* H3SUMM (RGEN) *
*****
```

HARD TO DETECT NUCLIDE SUMMARY REPORT (ALPHA, BETA, FE55, NI63, SR89, SR90)
 JOBS: 09-DEC-0010, 09-DEC-0014, 09-DEC-0015, 09-DEC-0016, 10-JAN-0006
 REPORT GENERATED @ 03/10/2010 15:48:58

SAMPLE DESCRIPTION -----	DATE -----	SAMPLE ID# -----	NUCLIDE -----	ACTIVITY (PCI/L) -----	ERROR -----
ONS LANDFILL MW-3	01/27/2010	30000820	ALPHA	1.930	1.5
			BETA	< 3.170	
ONS LANDFILL MW-11	01/27/2010	30000821	ALPHA	< 1.860	
			BETA	< 3.150	
ONS LANDFILL MW-11D	01/27/2010	30000822	ALPHA	< 1.740	
			BETA	< 3.130	
ONS LANDFILL MW-13	01/27/2010	30000823	ALPHA	< 2.530	
			BETA	< 3.130	
ONS LANDFILL MW-16	01/27/2010	30000824	ALPHA	2.190	1.5
			BETA	5.680	2.2
ONS TUBE BURIAL MW-RP01	01/25/2010	30000835	ALPHA	0.679	0.2
			BETA	< 0.140	
ONS TUBE BURIAL MW-RP02	01/26/2010	30000836	ALPHA	2.750	0.4
			BETA	3.440	0.5
ONS TUBE BURIAL MW-RP03	01/26/2010	30000837	ALPHA	0.661	0.2
			BETA	1.510	0.4
ONS GROUND WATER PROTECTION PROGRAM A-14	01/25/2010	30000846	ALPHA	<-0.010	
			FE55	<70.600	
			NI63	<14.400	
			SR89	< 1.650	
			SR90	< 1.830	
			BETA	1.820	0.4
ONS GROUND WATER PROTECTION PROGRAM GM-2R	01/25/2010	30000851	ALPHA	<-0.840	
			FE55	<64.600	
			NI63	<16.700	
			SR89	< 1.710	
			SR90	< 1.800	
			BETA	2.640	0.4

ONS GROUND WATER PROTECTION PROGRAM GM-2DR	01/25/2010	30000852	ALPHA	9.840	1.0
			FE55	<66.500	
			NI63	<16.600	
			SR89	< 1.600	
			SR90	< 1.820	
			BETA	13.600	0.7
ONS GROUND WATER PROTECTION PROGRAM GM-3R	01/25/2010	30000853	ALPHA	<-1.700	
			FE55	<76.000	
			NI63	<17.400	
			SR89	< 1.580	
			SR90	< 1.820	
			BETA	2.350	0.5
ONS GROUND WATER PROTECTION PROGRAM GM-3DR	01/25/2010	30000854	ALPHA	1.830	0.5
			FE55	<66.800	
			NI63	<16.100	
			SR89	< 1.580	
			SR90	< 1.810	
			BETA	4.140	0.5
ONS GROUND WATER PROTECTION PROGRAM GM-7	01/26/2010	30000860	ALPHA	<-0.850	
			FE55	<69.100	
			NI63	<15.000	
			SR89	< 1.630	
			SR90	< 1.820	
			BETA	1.390	0.4
ONS GROUND WATER PROTECTION PROGRAM GM-7R	01/26/2010	30000861	ALPHA	<-1.000	
			FE55	<71.400	
			NI63	<16.100	
			SR89	< 1.800	
			SR90	< 1.860	
			BETA	3.550	0.5
ONS GROUND WATER PROTECTION PROGRAM GM-7DR	01/26/2010	30001386	SR89	< 1.590	

ONS GROUND WATER PROTECTION PROGRAM | GM-16DR

01/27/2010 30001390

SR90	< 1.820	
FE55	<69.200	
NI63	<16.300	
ALPHA	< 0.076	
BETA	6.840	0.5
NI63	<16.500	
FE55	<69.600	
SR89	< 1.590	
SR90	< 1.810	
ALPHA	91.500	2.6
BETA	40.700	1.4

* HTDSUMM (RGEN) *

PRELIMINARY REPORT

SAMPLE DESCRIPTION	JOB#	DATE	SAMPLE ID#	ACTIVITY (PCI/L)	1 SIGMA ERROR	MDA (PCI/L)
ONS TUBE BURIAL MW-RP01	09-DEC-0014	01/25/2010	30000835	< 76.7		160
ONS TUBE BURIAL MW-RP02	09-DEC-0014	01/26/2010	30000836	< 65.8		159
ONS TUBE BURIAL MW-RP03	09-DEC-0014	01/26/2010	30000837	<-12.9		166
ONS GROUND WATER PROTECTION PROGRAM A-1	09-DEC-0015	01/26/2010	30000838	228.0	53.2	162
ONS GROUND WATER PROTECTION PROGRAM A-2	09-DEC-0015	01/26/2010	30000839	< 4.3		162
ONS GROUND WATER PROTECTION PROGRAM A-9	09-DEC-0015	01/25/2010	30000841	<154.0		162
ONS GROUND WATER PROTECTION PROGRAM A-10	09-DEC-0015	01/26/2010	30000842	288.0	54.6	163
ONS GROUND WATER PROTECTION PROGRAM A-11	09-DEC-0015	01/26/2010	30000843	< 54.4		163
ONS GROUND WATER PROTECTION PROGRAM A-12	09-DEC-0015	01/26/2010	30000844	< 8.7		163
ONS GROUND WATER PROTECTION PROGRAM A-13	09-DEC-0015	01/25/2010	30000845	681.0	60.6	163
ONS GROUND WATER PROTECTION PROGRAM A-14	09-DEC-0015	01/25/2010	30000846	397.0	56.3	163
ONS GROUND WATER PROTECTION PROGRAM A-17	09-DEC-0015	01/26/2010	30000847	< 68.4		160
ONS GROUND WATER PROTECTION PROGRAM A-18	09-DEC-0015	01/26/2010	30000848	<155.0		158
ONS GROUND WATER PROTECTION PROGRAM BG-4	09-DEC-0015	01/26/2010	30000849	< 8.4		162
ONS GROUND WATER PROTECTION PROGRAM GM-1R	09-DEC-0016	01/26/2010	30000850	< 15.3		174
ONS GROUND WATER PROTECTION PROGRAM GM-2R	09-DEC-0016	01/25/2010	30000851	4020.0	101.0	174
ONS GROUND WATER PROTECTION PROGRAM GM-2DR	09-DEC-0016	01/25/2010	30000852	1900.0	78.9	174
ONS GROUND WATER PROTECTION PROGRAM GM-3R	09-DEC-0016	01/25/2010	30000853	<138.0		174
ONS GROUND WATER PROTECTION PROGRAM GM-3DR	09-DEC-0016	01/25/2010	30000854	<154.0		173
ONS GROUND WATER PROTECTION PROGRAM GM-4	09-DEC-0016	01/25/2010	30000855	306.0	58.0	174
ONS GROUND WATER PROTECTION PROGRAM GM-5	09-DEC-0016	01/25/2010	30000856	<141.0		174
ONS GROUND WATER PROTECTION PROGRAM GM-5R	09-DEC-0016	01/25/2010	30000857	<-133.		174
ONS GROUND WATER PROTECTION PROGRAM GM-6	09-DEC-0016	01/26/2010	30000858	<108.0		173
ONS GROUND WATER PROTECTION PROGRAM GM-6R	09-DEC-0016	01/26/2010	30000859	<-179.		174
ONS GROUND WATER PROTECTION PROGRAM GM-7	09-DEC-0016	01/26/2010	30000860	1380.0	74.2	178
ONS GROUND WATER PROTECTION PROGRAM GM-7R	09-DEC-0016	01/26/2010	30000861	<u>24400.</u>	220.0	178
ONS GROUND WATER PROTECTION PROGRAM GM-8	09-DEC-0016	01/25/2010	30000862	229.0	58.0	178
ONS GROUND WATER PROTECTION PROGRAM GM-8R	09-DEC-0016	01/25/2010	30000863	218.0	57.4	177

PRELIMINARY REPORT

ONS GROUND WATER PROTECTION PROGRAM GM-9	09-DEC-0016	01/25/2010	30000864	<158.0		174
ONS GROUND WATER PROTECTION PROGRAM GM-9R	09-DEC-0016	01/25/2010	30000865	<-78.0		177
ONS GROUND WATER PROTECTION PROGRAM GM-10	09-DEC-0016	01/26/2010	30000866	< 4.5		178
ONS GROUND WATER PROTECTION PROGRAM GM-10R	09-DEC-0016	01/26/2010	30000867	195.0	57.4	178
ONS GROUND WATER PROTECTION PROGRAM GM-11	09-DEC-0016	01/26/2010	30000868	<-48.8		176
ONS GROUND WATER PROTECTION PROGRAM GM-11R	09-DEC-0016	01/26/2010	30000869	<-42.8		179
ONS GROUND WATER PROTECTION PROGRAM GM-12	09-DEC-0016	01/26/2010	30000870	<-13.3		174
ONS GROUND WATER PROTECTION PROGRAM GM-12R	09-DEC-0016	01/26/2010	30000871	< 48.6		173
ONS GROUND WATER PROTECTION PROGRAM GM-13	09-DEC-0016	01/26/2010	30000872	<-42.0		173
ONS GROUND WATER PROTECTION PROGRAM GM-13R	09-DEC-0016	01/26/2010	30000873	<-35.0		171
ONS GROUND WATER PROTECTION PROGRAM GM-14	09-DEC-0016	01/26/2010	30000874	< 53.1		173
ONS GROUND WATER PROTECTION PROGRAM GM-14R	09-DEC-0016	01/26/2010	30000875	<-65.3		170
ONS GROUND WATER PROTECTION PROGRAM GM-7DR	10-JAN-0006	01/26/2010	30001386	<u>35400.</u>	256.0	166
ONS GROUND WATER PROTECTION PROGRAM GM-15	10-JAN-0006	01/26/2010	30001387	3830.0	95.4	162
ONS GROUND WATER PROTECTION PROGRAM GM-15R	10-JAN-0006	01/26/2010	30001388	436.0	56.5	162
ONS GROUND WATER PROTECTION PROGRAM GM-16R	10-JAN-0006	01/27/2010	30001389	9130.0	136.0	163
ONS GROUND WATER PROTECTION PROGRAM GM-16DR	10-JAN-0006	01/27/2010	30001390	12600.	157.0	164
ONS GROUND WATER PROTECTION PROGRAM GM-17R	10-JAN-0006	01/27/2010	30001391	8410.0	130.0	161
ONS GROUND WATER PROTECTION PROGRAM GM-17DR	10-JAN-0006	01/27/2010	30001392	2150.0	79.7	165
ONS GROUND WATER PROTECTION PROGRAM GM-19	10-JAN-0006	01/25/2010	30001395	305.0	54.5	162
ONS GROUND WATER PROTECTION PROGRAM GM-19R	10-JAN-0006	01/26/2010	30001396	305.0	54.5	162
ONS GROUND WATER PROTECTION PROGRAM GM-20	10-JAN-0006	01/25/2010	30001397	<-49.7		198
ONS GROUND WATER PROTECTION PROGRAM GM-20R	10-JAN-0006	01/25/2010	30001398	<-51.1		203
ONS GROUND WATER PROTECTION PROGRAM GM-21	10-JAN-0006	01/25/2010	30001399	<-70.8		202
ONS GROUND WATER PROTECTION PROGRAM GM-22	10-JAN-0006	01/25/2010	30001400	< 8.6		197
ONS GROUND WATER PROTECTION PROGRAM GM-23	10-JAN-0006	01/26/2010	30001401	467.0	69.7	201

 AVERAGE H3 ACTIVITY: 4876.14
 MAXIMUM H3 ACTIVITY: 35400.00
 MINIMUM H3 ACTIVITY: 195.00

 * H3SUMM (RGEN) *

H-Over 30 Last occurrences of H3GW H3
H-Sample Class: REMP Plant/Station: OCONEE
H- Location: 015 Sample Type: GROUND WATER
H- Units: PCI/LITERS

G-Point

M-ASCII

CONFIDENCE 2 (Y,3,'-2SD','+2SD')

AVERAGE (M,3,'AVG')

T-X Sample #

T-Y Results

D-1,2

DEVICE

Sample Number	Results	LIMITS (LLD)	Reference Date
22041364	<170.000000	Less than	2000 11/04/2002
23003702	<179.000000	Less than	2000 02/03/2003
23015151	< 2.1100000	Less than	2000 05/06/2003
23027335	<-16.900000	Less than	2000 08/18/2003
23042514	<15.200000	Less than	2000 11/10/2003
24003539	<54.700000	Less than	2000 02/09/2004
24013683	<-65.200000	Less than	2000 05/10/2004
24026080	<27.300000	Less than	2000 08/09/2004
24037812	<66.000000	Less than	2000 11/08/2004
25003393	<-28.900000	Less than	2000 02/07/2005
25013682	<22.900000	Less than	2000 05/23/2005
25026085	<-37.600000	Less than	2000 08/15/2005
25037082	<161.000000	Less than	2000 11/14/2005
26003486	<-99.600000	Less than	2000 02/06/2006
26014209	<-24.700000	Less than	2000 05/22/2006
26024947	<41.700000	Less than	2000 08/14/2006
26031111	<-174.00000	Less than	2000 11/13/2006
27000614	<41.300000	Less than	2000 02/19/2007
27002148	<31.000000	Less than	2000 05/14/2007
27003890	<34.800000	Less than	2000 08/13/2007
27005747	<-72.300000	Less than	2000 11/12/2007
28000576	<-31.300000	Less than	2000 02/18/2008
28002621	<-60.100000	Less than	2000 05/12/2008
28004575	<-68.200000	Less than	2000 08/11/2008
28006685	<133.000000	Less than	2000 11/10/2008
29000581	< 2.100000	Less than	2000 02/16/2009
29002445	<-8.350000	Less than	2000 05/11/2009
29004293	<-10.800000	Less than	2000 08/17/2009
29006233	<-9.850000	Less than	2000 11/09/2009
30001835	<-23.500000	Less than	2000 02/08/2010

Duke Power Company
Radiological and Environmental Services

Phone: 704-875-5371 Fax: 704-875-5974 Report Generated 3/31/2010 09:33:43

Type of Sample : GROUND WATER

Location : 015

Collection Begin : 02/18/08 08:20:00

Collection End : 02/18/08 08:20:00

Comment:

Site Information

BROWN'S BOTTOM ROA

Sector: SSE

Distance: 1.7 Miles

Sample ID #: 28000576

Station Name: OCONEE

Sample Volume: 3.5

	<u>Activity</u>	<u>Error</u>	<u>Fraction</u>
MN54	< 4.184E+00	0.000E+00	PCI / LITERS
CO58	< 4.106E+00	0.000E+00	PCI / LITERS
FE59	< 8.196E+00	0.000E+00	PCI / LITERS
CO60	< 4.481E+00	0.000E+00	PCI / LITERS
ZN65	< 9.156E+00	0.000E+00	PCI / LITERS
NB95	< 4.862E+00	0.000E+00	PCI / LITERS
ZR95	< 6.763E+00	0.000E+00	PCI / LITERS
II31	< 4.543E+00	0.000E+00	PCI / LITERS
CS134	< 4.221E+00	0.000E+00	PCI / LITERS
CS137	< 3.724E+00	0.000E+00	PCI / LITERS
BALA140	< 5.824E+00	0.000E+00	PCI / LITERS
BE7	< 3.292E+01	0.000E+00	PCI / LITERS
K40	< 5.618E+01	0.000E+00	PCI / LITERS
H3	< -3.13E+01		PCI / LITERS

Duke Power Company
Radiological and Environmental Services

Phone: 704-875-5371 Fax: 704-875-5974 Report Generated 3/31/2010 09:34:06

Type of Sample : GROUND WATER

Location : 015

Collection Begin : 05/12/08 08:30:00

Collection End : 05/12/08 08:30:00

Comment:

Site Information

BROWN'S BOTTOM ROA

Sector: SSE

Distance: 1.7 Miles

Sample ID #: 28002621

Station Name: OCONEE

Sample Volume: 3.5

	<u>Activity</u>	<u>Error</u>	<u>Fraction</u>
MN54	< 3.765E+00	0.000E+00	PCI / LITERS
CO58	< 3.871E+00	0.000E+00	PCI / LITERS
FE59	< 7.588E+00	0.000E+00	PCI / LITERS
CO60	< 3.941E+00	0.000E+00	PCI / LITERS
ZN65	< 8.339E+00	0.000E+00	PCI / LITERS
NB95	< 4.174E+00	0.000E+00	PCI / LITERS
ZR95	< 6.183E+00	0.000E+00	PCI / LITERS
II31	< 4.705E+00	0.000E+00	PCI / LITERS
CS134	< 3.902E+00	0.000E+00	PCI / LITERS
CS137	< 3.669E+00	0.000E+00	PCI / LITERS
BALA140	< 5.177E+00	0.000E+00	PCI / LITERS
BE7	< 3.223E+01	0.000E+00	PCI / LITERS
K40	7.533E+01	2.726E+01	PCI / LITERS
H3	< -6.01E+01		PCI / LITERS

Duke Power Company
Radiological and Environmental Services

Phone: 704-875-5371 Fax: 704-875-5974 Report Generated 3/31/2010 09:34:28

Type of Sample : GROUND WATER

Location : 015

Collection Begin : 08/11/08 09:25:00

Collection End : 08/11/08 09:25:00

Comment:

Site Information

BROWN'S BOTTOM ROA

Sector: SSE

Distance: 1.7 Miles

Sample ID# : 28004575

Station Name: OCONEE

Sample Volume: 3.5

	<u>Activity</u>	<u>Error</u>	<u>Fraction</u>
MN54	< 4.117E+00	0.000E+00	PCI / LITERS
CO58	< 4.252E+00	0.000E+00	PCI / LITERS
FE59	< 7.953E+00	0.000E+00	PCI / LITERS
CO60	< 4.052E+00	0.000E+00	PCI / LITERS
ZN65	< 9.289E+00	0.000E+00	PCI / LITERS
NB95	< 4.434E+00	0.000E+00	PCI / LITERS
ZR95	< 6.794E+00	0.000E+00	PCI / LITERS
I131	< 5.185E+00	0.000E+00	PCI / LITERS
CS134	< 4.401E+00	0.000E+00	PCI / LITERS
CS137	< 4.194E+00	0.000E+00	PCI / LITERS
BALA140	< 5.850E+00	0.000E+00	PCI / LITERS
BE7	< 3.570E+01	0.000E+00	PCI / LITERS
K40	1.260E+02	2.528E+01	PCI / LITERS
H3	< -6.82E+01		PCI / LITERS

Duke Power Company
Radiological and Environmental Services

Phone: 704-875-5371 Fax: 704-875-5974 Report Generated: 3/31/2010 09:34:57

Type of Sample : GROUND WATER

Location : 015

Collection Begin : 11/10/08 10:00:00

Collection End : 11/10/08 10:00:00

Comment:

Site Information

BROWN'S BOTTOM ROA

Sector: SSE

Distance: 1.7 Miles

Sample ID # : 28006685

Station Name: OCONEE

Sample Volume: 3.5

	<u>Activity</u>	<u>Error</u>	<u>Fraction</u>
MN54	< 3.941E+00	0.000E+00	PCI / LITERS
CO58	< 3.654E+00	0.000E+00	PCI / LITERS
FE59	< 7.104E+00	0.000E+00	PCI / LITERS
CO60	< 3.999E+00	0.000E+00	PCI / LITERS
ZN65	< 8.608E+00	0.000E+00	PCI / LITERS
NB95	< 4.544E+00	0.000E+00	PCI / LITERS
ZR95	< 6.322E+00	0.000E+00	PCI / LITERS
I131	< 4.605E+00	0.000E+00	PCI / LITERS
CS134	< 3.829E+00	0.000E+00	PCI / LITERS
CS137	< 3.384E+00	0.000E+00	PCI / LITERS
BALA140	< 5.544E+00	0.000E+00	PCI / LITERS
BE7	< 3.156E+01	0.000E+00	PCI / LITERS
K40	< 5.267E+01	0.000E+00	PCI / LITERS
H3	< 1.33E+02		PCI / LITERS

Duke Power Company
Radiological and Environmental Services

Phone: 704-875-5371 Fax: 704-875-5974 Report Generated 3/31/2010 09:39:30

Type of Sample : GROUND WATER

Location : 015

Collection Begin : 02/16/09 10:45:00

Collection End : 02/16/09 10:45:00

Comment:

Site Information

BROWN'S BOTTOM ROA

Sector: SSE

Distance: 1.7 Miles

Sample ID #: 29000581

Station Name: OCONEE

Sample Volume: 3.5

	<u>Activity</u>	<u>Error</u>	<u>Fraction</u>
MN54	< 4.911E+00	0.000E+00	PCI / LITERS
CO58	< 4.542E+00	0.000E+00	PCI / LITERS
FE59	< 8.929E+00	0.000E+00	PCI / LITERS
CO60	< 5.412E+00	0.000E+00	PCI / LITERS
ZN65	< 9.559E+00	0.000E+00	PCI / LITERS
NB95	< 7.084E+00	0.000E+00	PCI / LITERS
ZR95	< 8.317E+00	0.000E+00	PCI / LITERS
I131	< 6.221E+00	0.000E+00	PCI / LITERS
CS134	< 4.712E+00	0.000E+00	PCI / LITERS
CS137	< 4.688E+00	0.000E+00	PCI / LITERS
BALA140	< 6.923E+00	0.000E+00	PCI / LITERS
BE7	< 4.378E+01	0.000E+00	PCI / LITERS
K40	1.741E+02	2.903E+01	PCI / LITERS
H3	< 2.10E+00		PCI / LITERS

Duke Power Company
Radiological and Environmental Services

Phone: 704-875-5371 Fax: 704-875-5974 Report Generated 3/31/2010 09:40:04

Type of Sample : GROUND WATER

Location : 015

Collection Begin : 05/11/09 12:20:00

Collection End : 05/11/09 12:20:00

Comment:

Site Information

BROWN'S BOTTOM ROA

Sector: SSE

Distance: 1.7 Miles

Sample ID # : 29002445

Station Name: OCONEE

Sample Volume: 3.5

	<u>Activity</u>	<u>Error</u>	<u>Fraction</u>
MN54	< 4.071E+00	0.000E+00	PCI / LITERS
CO58	< 4.593E+00	0.000E+00	PCI / LITERS
FE59	< 7.916E+00	0.000E+00	PCI / LITERS
CO60	< 4.432E+00	0.000E+00	PCI / LITERS
ZN65	< 9.560E+00	0.000E+00	PCI / LITERS
NB95	< 5.159E+00	0.000E+00	PCI / LITERS
ZR95	< 7.278E+00	0.000E+00	PCI / LITERS
I131	< 5.549E+00	0.000E+00	PCI / LITERS
CS134	< 4.011E+00	0.000E+00	PCI / LITERS
CS137	< 4.246E+00	0.000E+00	PCI / LITERS
BALA140	< 5.566E+00	0.000E+00	PCI / LITERS
BE7	< 3.706E+01	0.000E+00	PCI / LITERS
K40	6.336E+01	2.172E+01	PCI / LITERS
H3	< -8.35E+00		PCI / LITERS

Duke Power Company
Radiological and Environmental Services

Phone: 704-875-5371 Fax: 704-875-5974 Report Generated 3/31/2010 09:40:22

Type of Sample : GROUND WATER

Location : 015

Collection Begin : 08/17/09 08:50:00

Collection End : 08/17/09 08:50:00

Comment:

Site Information

BROWN'S BOTTOM ROA

Sector: SSE

Distance: 1.7 Miles

Sample ID # : 29004293

Station Name: OCONEE

Sample Volume: 3.5

	<u>Activity</u>	<u>Error</u>	<u>Fraction</u>
MN54	< 4.351E+00	0.000E+00	PCI / LITERS
CO58	< 4.430E+00	0.000E+00	PCI / LITERS
FE59	< 8.630E+00	0.000E+00	PCI / LITERS
CO60	< 5.021E+00	0.000E+00	PCI / LITERS
ZN65	< 9.855E+00	0.000E+00	PCI / LITERS
NB95	< 5.247E+00	0.000E+00	PCI / LITERS
ZR95	< 8.274E+00	0.000E+00	PCI / LITERS
II31	< 5.749E+00	0.000E+00	PCI / LITERS
CS134	< 5.090E+00	0.000E+00	PCI / LITERS
CS137	< 4.288E+00	0.000E+00	PCI / LITERS
BALA140	< 6.048E+00	0.000E+00	PCI / LITERS
BE7	< 4.019E+01	0.000E+00	PCI / LITERS
K40	1.127E+02	3.603E+01	PCI / LITERS
H3	< -1.08E+01		PCI / LITERS

Duke Power Company
Radiological and Environmental Services

Phone: 704-875-5371 Fax: 704-875-5974 Report Generated: 3/31/2010 09:40:47

Type of Sample : GROUND WATER

Location : 015

Collection Begin : 11/09/09 08:45:00

Collection End : 11/09/09 08:45:00

Comment:

Site Information

BROWN'S BOTTOM ROA

Sector: SSE

Distance: 1.7 Miles

Sample ID #: 29006233

Station Name: OCONEE

Sample Volume: 3.5

	<u>Activity</u>	<u>Error</u>	<u>Fraction</u>
MN54	< 4.558E+00	0.000E+00	PCI / LITERS
CO58	< 4.269E+00	0.000E+00	PCI / LITERS
FE59	< 9.606E+00	0.000E+00	PCI / LITERS
CO60	< 4.610E+00	0.000E+00	PCI / LITERS
ZN65	< 9.848E+00	0.000E+00	PCI / LITERS
NB95	< 6.293E+00	0.000E+00	PCI / LITERS
ZR95	< 7.880E+00	0.000E+00	PCI / LITERS
I131	< 5.734E+00	0.000E+00	PCI / LITERS
CS134	< 4.249E+00	0.000E+00	PCI / LITERS
CS137	< 4.603E+00	0.000E+00	PCI / LITERS
BALA140	< 7.081E+00	0.000E+00	PCI / LITERS
BE7	< 4.104E+01	0.000E+00	PCI / LITERS
K40	< 7.519E+01	0.000E+00	PCI / LITERS
H3	< -9.85E+00		PCI / LITERS

Duke Power Company
Radiological and Environmental Services

Phone: 704-875-5371 Fax: 704-875-5974 Report Generated 3/31/2010 09:41:28

Type of Sample : GROUND WATER

Location : 015

Collection Begin : 02/08/10 15:10:00

Collection End : 02/08/10 15:10:00

Comment:

Site Information

BROWN'S BOTTOM ROA

Sector: SSE

Distance: 1.7 Miles

Sample ID #: 30001835

Station Name: OCONEE

Sample Volume: 3.5

	<u>Activity</u>	<u>Error</u>	<u>Fraction</u>
MN54	< 3.575E+00	0.000E+00	PCI / LITERS
CO58	< 3.661E+00	0.000E+00	PCI / LITERS
FE59	< 7.581E+00	0.000E+00	PCI / LITERS
CO60	< 4.143E+00	0.000E+00	PCI / LITERS
ZN65	< 8.507E+00	0.000E+00	PCI / LITERS
NB95	< 4.173E+00	0.000E+00	PCI / LITERS
ZR95	< 6.451E+00	0.000E+00	PCI / LITERS
I131	< 4.442E+00	0.000E+00	PCI / LITERS
CS134	< 3.843E+00	0.000E+00	PCI / LITERS
CS137	< 3.457E+00	0.000E+00	PCI / LITERS
BALA140	< 5.513E+00	0.000E+00	PCI / LITERS
BE7	< 3.313E+01	0.000E+00	PCI / LITERS
K40	9.313E+01	2.434E+01	PCI / LITERS
H3	< -2.35E+01		PCI / LITERS