

NOTE: Summary Statistics are not provided because only 1 sample was collected annually per location.

NOTE: "Sig" is significance, with "Yes" meaning detectable and "No" meaning less than the analytical method detection limit. If the uncertainty (standard deviation) is large, the significance may also be set to "No".

Data Table 5-22, 2013 Radioactivity in River and Stream Sediment

Data Section

2013 Radioactivity in River and Stream Sediment : Units are pCi/g

MDA = Minimum Detectable Activity

Location	Nuclide	CollectDate	SampleCon	SampleStd	Sig
<i>Savannah River</i>					
RM-118.7 Highway 301	Co-60	14-May-13	2.46E-02	2.13E-02	No
RM-129 Lower 3 Runs Mouth	Co-60	23-Apr-13	3.03E-04	1.61E-02	No
RM-134.0 Below Little Hell Lnd	Co-60	14-May-13	-1.17E-02	1.72E-02	No
RM-150.2 Below Four Mile Creek	Co-60	23-Apr-13	-6.95E-03	1.41E-02	No
RM-151 R-3A Above Vogle	Co-60	14-May-13	1.09E-02	1.62E-02	No
RM-152.1 Beaver Dam Creek	Co-60	23-Apr-13	7.89E-02	3.11E-02	No
RM-157.2 Upper 3 Runs Mouth	Co-60	23-Apr-13	1.64E-02	1.53E-02	No
RM-160.5 Demier Landing	Co-60	14-May-13	-1.38E-02	1.41E-02	No
<i>Onsite SRS Streams or Water Bodies</i>					
E-05	Co-60	23-Apr-13	-4.92E-03	1.52E-02	No
E-06	Co-60	30-Jan-13	-5.32E-04	1.32E-02	No
EAV Basin North (E-004)	Co-60	30-Jan-13	-3.76E-03	1.51E-02	No
EAV Basin South (E-003)	Co-60	30-Jan-13	-3.86E-03	1.64E-02	No
FM-2 at Road 4	Co-60	23-Apr-13	4.86E-03	1.29E-02	No
FM-3A Below F-Area Effluent	Co-60	23-Apr-13	1.69E-02	1.27E-02	No
Four Mile A-7A (Beaver Pond)	Co-60	23-Apr-13	1.70E-02	1.38E-02	No
Four Mile Creek Swamp Dischrg	Co-60	30-Apr-13	1.04E-02	1.04E-02	No
Four Mile Creek at Rd A-7 ^a	Co-60	23-Apr-13	1.47E-01	8.97E-02	Yes
L3R-1A at Road B	Co-60	23-Apr-13	5.05E-03	1.20E-02	No
POND 400	Co-60	30-Jan-13	2.89E-02	2.29E-02	No
Pen Branch Swamp Discharge	Co-60	30-Apr-13	-3.46E-03	2.00E-02	No
R-Area Downstream of R-1 ^a	Co-60	23-Apr-13	1.13E-01	3.68E-02	Yes
SC-2A 1 mile above Road B	Co-60	23-Apr-13	-1.01E-02	1.18E-02	No
SC-4 Steel Creek at Road A	Co-60	30-Apr-13	2.31E-02	1.65E-02	No
SWDF Basin North (E-002)	Co-60	22-Apr-13	-2.53E-02	1.95E-02	No
SWDF Basin South (E-001)	Co-60	22-Apr-13	-6.95E-03	1.38E-02	No
TB-5 Near Road C	Co-60	22-Apr-13	-1.55E-02	1.28E-02	No
Tinker Creek 1	Co-60	5-Feb-13	-9.76E-03	1.09E-02	No
U3R-1A Treadway Bridge RD 8-1	Co-60	7-Feb-13	2.55E-02	5.16E-02	No
Z-Basin ^a	Co-60	9-Sep-13	1.59E-02	2.34E-02	No
Z-01 Outfall ^b	Co-60	13-Feb-13	<6.44E-02	<MDA	No
McQueens Branch Downstream	Co-60	13-Feb-13	-3.93E-03	1.13E-02	No
McQueens Branch Control	Co-60	13-Feb-13	-2.01E-02	1.91E-02	No

2013 Radioactivity in River and Stream Sediment : Units are pCi/g

MDA = Minimum Detectable Activity

Location	Nuclide	CollectDate	SampleCon	SampleStd	Sig
<i>Savannah River</i>					
RM-118.7 Highway 301	Cs-137	14-May-13	2.66E-01	4.30E-02	Yes
RM-129 Lower 3 Runs Mouth	Cs-137	23-Apr-13	6.14E-01	5.25E-02	Yes
RM-134.0 Below Little Hell Lnd	Cs-137	14-May-13	1.76E-01	2.85E-02	Yes
RM-150.2 Below Four Mile Creek	Cs-137	23-Apr-13	1.81E-01	2.51E-02	Yes
RM-151 R-3A Above Vogle	Cs-137	14-May-13	4.32E-02	1.76E-02	No
RM-152.1 Beaver Dam Creek	Cs-137	23-Apr-13	6.95E-02	1.79E-02	Yes
RM-157.2 Upper 3 Runs Mouth	Cs-137	23-Apr-13	1.14E-01	2.25E-02	Yes
RM-160.5 Demier Landing	Cs-137	14-May-13	-4.22E-03	1.45E-02	No

Onsite SRS Streams or Water Bodies

E-05	Cs-137	23-Apr-13	9.95E-02	2.33E-02	Yes
E-06	Cs-137	30-Jan-13	9.43E-03	1.95E-02	No
EAV Basin North (E-004)	Cs-137	30-Jan-13	5.03E-02	3.08E-02	No
EAV Basin South (E-003)	Cs-137	30-Jan-13	-1.77E-02	2.00E-02	No
FM-2 at Road 4	Cs-137	23-Apr-13	1.75E+01	1.01E+00	Yes
FM-3A Below F-Area Effluent	Cs-137	23-Apr-13	3.65E-01	3.41E-02	Yes
Four Mile A-7A (Beaver Pond)	Cs-137	23-Apr-13	8.43E+00	4.92E-01	Yes
Four Mile Creek Swamp Dischrg	Cs-137	30-Apr-13	2.64E+00	1.60E-01	Yes
Four Mile Creek at Rd A-7 ^a	Cs-137	23-Apr-13	4.19E+01	4.03E-01	Yes
L3R-1A at Road B	Cs-137	23-Apr-13	3.08E-01	3.30E-02	Yes
POND 400	Cs-137	30-Jan-13	6.14E-01	6.52E-02	Yes
Pen Branch Swamp Discharge	Cs-137	30-Apr-13	1.19E+00	8.59E-02	Yes
R-Area Downstream of R-1 ^a	Cs-137	23-Apr-13	4.97E+02	9.30E-01	Yes
SC-2A 1 mile above Road B	Cs-137	23-Apr-13	2.16E+00	1.32E-01	Yes
SC-4 Steel Creek at Road A	Cs-137	30-Apr-13	2.17E+01	1.40E+00	Yes
SWDF Basin North (E-002)	Cs-137	22-Apr-13	4.84E+00	3.22E-01	Yes
SWDF Basin South (E-001)	Cs-137	22-Apr-13	1.63E-01	2.76E-02	Yes
TB-5 Near Road C	Cs-137	22-Apr-13	-3.05E-02	1.48E-02	No
Tinker Creek 1	Cs-137	5-Feb-13	5.51E-02	2.65E-02	No
U3R-1A Treadway Bridge RD 8-1	Cs-137	7-Feb-13	3.16E-01	7.63E-02	Yes
Z-Basin ^a	Cs-137	9-Sep-13	2.88E+03	3.14E+00	Yes
Z-01 Outfall ^b	Cs-137	13-Feb-13	1.14E+03	5.70E+01	Yes
McQueens Branch Downstream	Cs-137	13-Feb-13	7.03E+00	4.59E-01	Yes
McQueens Branch Control	Cs-137	13-Feb-13	4.30E-01	4.35E-02	Yes

Savannah River

RM-118.7 Highway 301	Sr-89/90	14-May-13	2.52E-02	1.96E-02	No
RM-129 Lower 3 Runs Mouth	Sr-89/90	23-Apr-13	3.57E-02	3.93E-02	No
RM-134.0 Below Little Hell Lnd	Sr-89/90	14-May-13	2.84E-02	1.86E-02	No
RM-150.2 Below Four Mile Creek	Sr-89/90	23-Apr-13	2.70E-02	3.73E-02	No
RM-151 R-3A Above Vogle	Sr-89/90	14-May-13	4.46E-02	2.27E-02	No
RM-152.1 Beaver Dam Creek	Sr-89/90	23-Apr-13	3.24E-02	6.28E-02	No
RM-157.2 Upper 3 Runs Mouth	Sr-89/90	23-Apr-13	3.27E-02	4.10E-02	No
RM-160.5 Demier Landing	Sr-89/90	14-May-13	-1.26E-03	1.64E-02	No

2013 Radioactivity in River and Stream Sediment : Units are pCi/g

MDA = Minimum Detectable Activity

Location	Nuclide	CollectDate	SampleCon	SampleStd	Sig
Onsite SRS Streams or Water Bodies					
E-05	Sr-89/90	23-Apr-13	1.49E-01	8.72E-02	No
E-06	Sr-89/90	30-Jan-13	1.66E-01	6.72E-02	No
EAV Basin North (E-004)	Sr-89/90	30-Jan-13	3.95E-02	2.34E-02	No
EAV Basin South (E-003)	Sr-89/90	30-Jan-13	1.55E-01	2.70E-02	Yes
FM-2 at Road 4	Sr-89/90	23-Apr-13	1.05E-01	4.28E-02	No
FM-3A Below F-Area Effluent	Sr-89/90	23-Apr-13	1.03E-01	4.40E-02	No
Four Mile A-7A (Beaver Pond)	Sr-89/90	23-Apr-13	5.65E-01	7.47E-02	Yes
Four Mile Creek Swamp Dischrg	Sr-89/90	30-Apr-13	3.76E-01	6.66E-02	Yes
Four Mile Creek at Rd A-7 ^a	Sr-89/90	23-Apr-13	5.76E-01	9.11E-01	No
L3R-1A at Road B	Sr-89/90	23-Apr-13	6.16E-02	4.59E-02	No
POND 400	Sr-89/90	30-Jan-13	1.31E-01	2.34E-02	Yes
Pen Branch Swamp Discharge	Sr-89/90	30-Apr-13	1.33E-01	4.19E-02	Yes
R-Area Downstream of R-1 ^a	Sr-89/90	23-Apr-13	-4.24E-02	3.35E-01	No
SC-2A 1 mile above Road B	Sr-89/90	23-Apr-13	3.70E-02	4.18E-02	No
SC-4 Steel Creek at Road A	Sr-89/90	30-Apr-13	-1.41E-02	3.93E-02	No
SWDF Basin North (E-002)	Sr-89/90	22-Apr-13	8.70E-02	4.44E-02	No
SWDF Basin South (E-001)	Sr-89/90	22-Apr-13	3.22E-02	8.24E-02	No
TB-5 Near Road C	Sr-89/90	22-Apr-13	4.54E-02	4.74E-02	No
Tinker Creek 1	Sr-89/90	5-Feb-13	7.86E-03	3.16E-02	No
U3R-1A Treadway Bridge RD 8-1	Sr-89/90	7-Feb-13	-7.05E-03	1.74E-02	No
Z-Basin ^a	Sr-89/90	9-Sep-13	7.87E-01	7.88E-01	No
Z-01 Outfall ^b	Sr-90	13-Feb-13	<6.98E+00	MDA	No
McQueens Branch Downstream	Sr-89/90	13-Feb-13	1.24E-01	5.32E-02	No
McQueens Branch Control	Sr-89/90	13-Feb-13	-3.99E-02	4.34E-02	No

Savannah River

RM-118.7 Highway 301	Th-228	14-May-13	1.43E+00	1.19E-01	Yes
RM-129 Lower 3 Runs Mouth	Th-228	23-Apr-13	1.31E+00	1.10E-01	Yes
RM-134.0 Below Little Hell Lnd	Th-228	14-May-13	1.41E+00	1.57E-01	Yes
RM-150.2 Below Four Mile Creek	Th-228	23-Apr-13	1.57E+00	1.30E-01	Yes
RM-151 R-3A Above Vogle	Th-228	14-May-13	1.72E+00	1.39E-01	Yes
RM-152.1 Beaver Dam Creek	Th-228	23-Apr-13	1.44E+00	1.28E-01	Yes
RM-157.2 Upper 3 Runs Mouth	Th-228	23-Apr-13	1.49E+00	1.16E-01	Yes
RM-160.5 Demier Landing	Th-228	14-May-13	1.45E+00	1.17E-01	Yes

Onsite SRS Streams or Water Bodies

E-05	Th-228	23-Apr-13	2.50E+00	1.90E-01	Yes
E-06	Th-228	30-Jan-13	1.87E+00	1.69E-01	Yes
EAV Basin North (E-004)	Th-228	30-Jan-13	2.28E+00	1.83E-01	Yes
EAV Basin South (E-003)	Th-228	30-Jan-13	2.97E+00	2.52E-01	Yes
FM-2 at Road 4	Th-228	23-Apr-13	3.97E+00	3.00E-01	Yes
FM-3A Below F-Area Effluent	Th-228	23-Apr-13	3.11E+00	2.53E-01	Yes
Four Mile A-7A (Beaver Pond)	Th-228	23-Apr-13	1.28E+00	1.08E-01	Yes

2013 Radioactivity in River and Stream Sediment : Units are pCi/g

MDA = Minimum Detectable Activity

Location	Nuclide	CollectDate	SampleCon	SampleStd	Sig
Four Mile Creek Swamp Dischrg	Th-228	30-Apr-13	8.46E-01	7.63E-02	Yes
Four Mile Creek at Rd A-7 ^a	Th-228	23-Apr-13	2.55E+00	6.09E-01	Yes
L3R-1A at Road B	Th-228	23-Apr-13	5.05E+00	3.90E-01	Yes
POND 400	Th-228	30-Jan-13	4.81E+00	3.77E-01	Yes
Pen Branch Swamp Discharge	Th-228	30-Apr-13	9.97E-01	9.36E-02	Yes
R-Area Downstream of R-1 ^a	Th-228	23-Apr-13	1.83E+00	4.97E-01	Yes
SC-2A 1 mile above Road B	Th-228	23-Apr-13	3.70E+00	3.00E-01	Yes
SC-4 Steel Creek at Road A	Th-228	30-Apr-13	7.03E-01	6.81E-02	Yes
SWDF Basin North (E-002)	Th-228	22-Apr-13	2.34E+00	1.94E-01	Yes
SWDF Basin South (E-001)	Th-228	22-Apr-13	1.63E+00	1.46E-01	Yes
TB-5 Near Road C	Th-228	22-Apr-13	8.57E-01	7.58E-02	Yes
Tinker Creek 1	Th-228	5-Feb-13	1.30E+00	1.13E-01	Yes
U3R-1A Treadway Bridge RD 8-1	Th-228	7-Feb-13	7.22E-01	5.55E-02	Yes
McQueens Branch Downstream	Th-228	13-Feb-13	1.38E+01	1.30E+00	Yes
McQueens Branch Control	Th-228	13-Feb-13	1.90E+00	1.90E-01	Yes

Savannah River

RM-118.7 Highway 301	Th-230	14-May-13	1.32E+00	1.11E-01	Yes
RM-129 Lower 3 Runs Mouth	Th-230	23-Apr-13	1.21E+00	1.03E-01	Yes
RM-134.0 Below Little Hell Lnd	Th-230	14-May-13	1.40E+00	1.53E-01	Yes
RM-150.2 Below Four Mile Creek	Th-230	23-Apr-13	1.18E+00	1.01E-01	Yes
RM-151 R-3A Above Vogle	Th-230	14-May-13	1.49E+00	1.21E-01	Yes
RM-152.1 Beaver Dam Creek	Th-230	23-Apr-13	1.11E+00	1.04E-01	Yes
RM-157.2 Upper 3 Runs Mouth	Th-230	23-Apr-13	9.03E-01	7.58E-02	Yes
RM-160.5 Demier Landing	Th-230	14-May-13	1.08E+00	8.96E-02	Yes

Onsite SRS Streams or Water Bodies

E-05	Th-230	23-Apr-13	1.76E+00	1.40E-01	Yes
E-06	Th-230	30-Jan-13	1.44E+00	1.33E-01	Yes
EAV Basin North (E-004)	Th-230	30-Jan-13	1.56E+00	1.31E-01	Yes
EAV Basin South (E-003)	Th-230	30-Jan-13	2.11E+00	1.84E-01	Yes
FM-2 at Road 4	Th-230	23-Apr-13	1.95E+00	1.54E-01	Yes
FM-3A Below F-Area Effluent	Th-230	23-Apr-13	2.01E+00	1.69E-01	Yes
Four Mile A-7A (Beaver Pond)	Th-230	23-Apr-13	7.38E-01	6.74E-02	Yes
Four Mile Creek Swamp Dischrg	Th-230	30-Apr-13	1.40E+00	1.13E-01	Yes
Four Mile Creek at Rd A-7 ^a	Th-230	23-Apr-13	1.33E+00	4.03E-01	Yes
L3R-1A at Road B	Th-230	23-Apr-13	1.68E+00	1.40E-01	Yes
POND 400	Th-230	30-Jan-13	2.00E+00	1.63E-01	Yes
Pen Branch Swamp Discharge	Th-230	30-Apr-13	1.11E+00	1.01E-01	Yes
R-Area Downstream of R-1 ^a	Th-230	23-Apr-13	1.04E+00	3.49E-01	Yes
SC-2A 1 mile above Road B	Th-230	23-Apr-13	1.45E+00	1.28E-01	Yes
SC-4 Steel Creek at Road A	Th-230	30-Apr-13	7.27E-01	6.96E-02	Yes
SWDF Basin North (E-002)	Th-230	22-Apr-13	1.83E+00	1.56E-01	Yes
SWDF Basin South (E-001)	Th-230	22-Apr-13	1.30E+00	1.21E-01	Yes
TB-5 Near Road C	Th-230	22-Apr-13	5.38E-01	5.10E-02	Yes

2013 Radioactivity in River and Stream Sediment : Units are pCi/g

MDA = Minimum Detectable Activity

Location	Nuclide	CollectDate	SampleCon	SampleStd	Sig
Tinker Creek 1	Th-230	5-Feb-13	6.65E-01	6.53E-02	Yes
U3R-1A Treadway Bridge RD 8-1	Th-230	7-Feb-13	2.62E-01	2.19E-02	Yes
McQueens Branch Downstream	Th-230	13-Feb-13	5.37E+00	5.25E-01	Yes
McQueens Branch Control	Th-230	13-Feb-13	1.87E+00	1.88E-01	Yes

Savannah River

RM-118.7 Highway 301	Th-232	14-May-13	1.24E+00	1.03E-01	Yes
RM-129 Lower 3 Runs Mouth	Th-232	23-Apr-13	1.04E+00	8.88E-02	Yes
RM-134.0 Below Little Hell Lnd	Th-232	14-May-13	1.34E+00	1.45E-01	Yes
RM-150.2 Below Four Mile Creek	Th-232	23-Apr-13	1.42E+00	1.17E-01	Yes
RM-151 R-3A Above Vogle	Th-232	14-May-13	1.72E+00	1.37E-01	Yes
RM-152.1 Beaver Dam Creek	Th-232	23-Apr-13	1.16E+00	1.06E-01	Yes
RM-157.2 Upper 3 Runs Mouth	Th-232	23-Apr-13	9.19E-01	7.60E-02	Yes
RM-160.5 Demier Landing	Th-232	14-May-13	1.21E+00	9.78E-02	Yes

Onsite SRS Streams or Water Bodies

E-06	Th-232	30-Jan-13	1.65E+00	1.48E-01	Yes
EAV Basin North (E-004)	Th-232	30-Jan-13	1.87E+00	1.52E-01	Yes
EAV Basin South (E-003)	Th-232	30-Jan-13	2.38E+00	2.03E-01	Yes
FM-2 at Road 4	Th-232	23-Apr-13	2.97E+00	2.27E-01	Yes
FM-3A Below F-Area Effluent	Th-232	23-Apr-13	2.53E+00	2.08E-01	Yes
Four Mile A-7A (Beaver Pond)	Th-232	23-Apr-13	1.12E+00	9.48E-02	Yes
Four Mile Creek Swamp Dischrg	Th-232	30-Apr-13	6.89E-01	6.25E-02	Yes
Four Mile Creek at Rd A-7 ^a	Th-232	23-Apr-13	9.34E-01	3.27E-01	Yes
L3R-1A at Road B	Th-232	23-Apr-13	4.27E+00	3.31E-01	Yes
POND 400	Th-232	30-Jan-13	3.22E+00	2.52E-01	Yes
Pen Branch Swamp Discharge	Th-232	30-Apr-13	9.46E-01	8.80E-02	Yes
R-Area Downstream of R-1 ^a	Th-232	23-Apr-13	1.62E+00	4.18E-01	Yes
SC-2A 1 mile above Road B	Th-232	23-Apr-13	3.32E+00	2.68E-01	Yes
SC-4 Steel Creek at Road A	Th-232	30-Apr-13	6.95E-01	6.63E-02	Yes
SWDF Basin North (E-002)	Th-232	22-Apr-13	1.97E+00	1.65E-01	Yes
SWDF Basin South (E-001)	Th-232	22-Apr-13	1.41E+00	1.28E-01	Yes
TB-5 Near Road C	Th-232	22-Apr-13	6.30E-01	5.64E-02	Yes
Tinker Creek 1	Th-232	5-Feb-13	8.81E-01	8.02E-02	Yes
U3R-1A Treadway Bridge RD 8-1	Th-232	7-Feb-13	2.61E-01	2.15E-02	Yes
McQueens Branch Downstream	Th-232	13-Feb-13	1.23E+01	1.15E+00	Yes
McQueens Branch Control	Th-232	13-Feb-13	1.46E+00	1.51E-01	Yes

Savannah River

RM-118.7 Highway 301	U-234	14-May-13	1.25E+00	9.28E-02	Yes
RM-129 Lower 3 Runs Mouth	U-234	23-Apr-13	1.08E+00	7.71E-02	Yes
RM-134.0 Below Little Hell Lnd	U-234	14-May-13	1.09E+00	8.03E-02	Yes
RM-150.2 Below Four Mile Creek	U-234	23-Apr-13	1.30E+00	9.48E-02	Yes
RM-151 R-3A Above Vogle	U-234	14-May-13	1.48E+00	1.06E-01	Yes

2013 Radioactivity in River and Stream Sediment : Units are pCi/g

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Location	Nuclide	CollectDate	SampleCon	SampleStd	Sig
RM-152.1 Beaver Dam Creek	U-234	23-Apr-13	1.08E+00	7.91E-02	Yes
RM-157.2 Upper 3 Runs Mouth	U-234	23-Apr-13	1.03E+00	7.97E-02	Yes
RM-160.5 Demier Landing	U-234	14-May-13	9.51E-01	7.14E-02	Yes

Onsite SRS Streams or Water Bodies

E-05	U-234	23-Apr-13	1.33E+00	1.03E-01	Yes
E-06	U-234	30-Jan-13	1.32E+00	1.01E-01	Yes
EAV Basin North (E-004)	U-234	30-Jan-13	4.68E-01	3.64E-02	Yes
EAV Basin South (E-003)	U-234	30-Jan-13	1.87E+00	1.39E-01	Yes
FM-2 at Road 4	U-234	23-Apr-13	1.53E+00	1.17E-01	Yes
FM-3A Below F-Area Effluent	U-234	23-Apr-13	1.49E+00	1.15E-01	Yes
Four Mile A-7A (Beaver Pond)	U-234	23-Apr-13	1.90E+00	1.39E-01	Yes
Four Mile Creek Swamp Dischrg	U-234	30-Apr-13	1.01E+00	7.64E-02	Yes
Four Mile Creek at Rd A-7 ^a	U-234	23-Apr-13	6.24E+00	2.94E-01	Yes
L3R-1A at Road B	U-234	23-Apr-13	8.86E-01	6.71E-02	Yes
POND 400	U-234	30-Jan-13	2.18E+00	1.60E-01	Yes
Pen Branch Swamp Discharge	U-234	30-Apr-13	1.04E+00	7.87E-02	Yes
R-Area Downstream of R-1 ^a	U-234	23-Apr-13	1.24E+00	3.01E-01	Yes
SC-2A 1 mile above Road B	U-234	23-Apr-13	2.78E+00	1.95E-01	Yes
SC-4 Steel Creek at Road A	U-234	30-Apr-13	8.95E-01	6.81E-02	Yes
SWDF Basin North (E-002)	U-234	22-Apr-13	2.37E+00	1.72E-01	Yes
SWDF Basin South (E-001)	U-234	22-Apr-13	1.25E+00	1.02E-01	Yes
TB-5 Near Road C	U-234	22-Apr-13	2.54E+00	1.94E-01	Yes
Tinker Creek 1	U-234	5-Feb-13	1.41E+00	1.05E-01	Yes
U3R-1A Treadway Bridge RD 8-1	U-234	7-Feb-13	1.15E+00	8.96E-02	Yes
Z-Basin ^a	U-234	9-Sep-13	5.25E-01	2.17E-01	Yes
Z-01 Outfall ^b	U-234	13-Feb-13	<3.16E-1	Upper Limit	Yes
McQueens Branch Downstream	U-234	13-Feb-13	1.67E+00	1.30E-01	Yes
McQueens Branch Control	U-234	13-Feb-13	3.61E+00	2.65E-01	Yes

Savannah River

RM-118.7 Highway 301	U-235	14-May-13	6.51E-02	7.60E-03	Yes
RM-129 Lower 3 Runs Mouth	U-235	23-Apr-13	5.54E-02	6.82E-03	Yes
RM-134.0 Below Little Hell Lnd	U-235	14-May-13	5.24E-02	6.48E-03	Yes
RM-150.2 Below Four Mile Creek	U-235	23-Apr-13	4.78E-02	5.93E-03	Yes
RM-151 R-3A Above Vogle	U-235	14-May-13	5.92E-02	7.37E-03	Yes
RM-152.1 Beaver Dam Creek	U-235	23-Apr-13	4.78E-02	5.88E-03	Yes
RM-157.2 Upper 3 Runs Mouth	U-235	23-Apr-13	5.81E-02	7.80E-03	Yes
RM-160.5 Demier Landing	U-235	14-May-13	4.03E-02	5.59E-03	Yes

Onsite SRS Streams or Water Bodies

E-05	U-235	23-Apr-13	6.41E-02	7.95E-03	Yes
E-06	U-235	30-Jan-13	7.68E-02	9.00E-03	Yes
EAV Basin North (E-004)	U-235	30-Jan-13	2.15E-02	3.78E-03	Yes
EAV Basin South (E-003)	U-235	30-Jan-13	8.57E-02	9.52E-03	Yes

2013 Radioactivity in River and Stream Sediment : Units are pCi/g

MDA = Minimum Detectable Activity

Location	Nuclide	CollectDate	SampleCon	SampleStd	Sig
FM-2 at Road 4	U-235	23-Apr-13	7.62E-02	9.04E-03	Yes
FM-3A Below F-Area Effluent	U-235	23-Apr-13	7.19E-02	8.76E-03	Yes
Four Mile A-7A (Beaver Pond)	U-235	23-Apr-13	1.03E-01	1.07E-02	Yes
Four Mile Creek Swamp Dischrg	U-235	30-Apr-13	4.89E-02	6.55E-03	Yes
Four Mile Creek at Rd A-7 ^a	U-235	23-Apr-13	5.14E-01	8.55E-02	Yes
L3R-1A at Road B	U-235	23-Apr-13	4.62E-02	6.01E-03	Yes
POND 400	U-235	30-Jan-13	1.00E-01	1.06E-02	Yes
Pen Branch Swamp Discharge	U-235	30-Apr-13	5.24E-02	6.70E-03	Yes
R-Area Downstream of R-1 ^a	U-235	23-Apr-13	7.68E-02	8.78E-02	No
SC-2A 1 mile above Road B	U-235	23-Apr-13	1.37E-01	1.35E-02	Yes
SC-4 Steel Creek at Road A	U-235	30-Apr-13	2.92E-02	4.77E-03	Yes
SWDF Basin North (E-002)	U-235	22-Apr-13	1.13E-01	1.14E-02	Yes
SWDF Basin South (E-001)	U-235	22-Apr-13	5.86E-02	8.84E-03	Yes
TB-5 Near Road C	U-235	22-Apr-13	1.47E-01	1.52E-02	Yes
Tinker Creek 1	U-235	5-Feb-13	5.38E-02	6.65E-03	Yes
U3R-1A Treadway Bridge RD 8-1	U-235	7-Feb-13	7.00E-02	8.72E-03	Yes
Z-Basin ^a	U-235	9-Sep-13	1.36E-02	7.57E-02	No
Z-01 Outfall ^b	U-235	13-Feb-13	1.42E-02	2.85E-03	Yes
McQueens Branch Downstream	U-235	13-Feb-13	8.10E-02	1.04E-02	Yes
McQueens Branch Control	U-235	13-Feb-13	2.13E-01	1.95E-02	Yes

Savannah River

RM-118.7 Highway 301	Np-237	14-May-13	6.92E-04	5.21E-04	No
RM-129 Lower 3 Runs Mouth	Np-237	23-Apr-13	5.86E-04	6.89E-04	No
RM-134.0 Below Little Hell Lnd	Np-237	14-May-13	5.78E-04	7.22E-04	No
RM-150.2 Below Four Mile Creek	Np-237	23-Apr-13	1.55E-03	7.99E-04	No
RM-151 R-3A Above Vogle	Np-237	14-May-13	4.92E-04	6.19E-04	No
RM-152.1 Beaver Dam Creek	Np-237	23-Apr-13	-5.92E-04	6.03E-04	No
RM-157.2 Upper 3 Runs Mouth	Np-237	23-Apr-13	-2.49E-04	2.50E-04	No
RM-160.5 Demier Landing	Np-237	14-May-13	2.11E-04	6.21E-04	No

Onsite SRS Streams or Water Bodies

E-05	Np-237	23-Apr-13	0.00E+00	6.56E-01	No
E-06	Np-237	30-Jan-13	-3.03E-04	2.86E-04	No
EAV Basin North (E-004)	Np-237	30-Jan-13	1.24E-03	7.41E-04	No
EAV Basin South (E-003)	Np-237	30-Jan-13	1.02E-03	6.09E-04	No
FM-2 at Road 4	Np-237	23-Apr-13	2.22E-02	3.86E-03	Yes
FM-3A Below F-Area Effluent	Np-237	23-Apr-13	-3.86E-05	5.33E-05	No
Four Mile A-7A (Beaver Pond)	Np-237	23-Apr-13	4.49E-03	1.45E-03	Yes
Four Mile Creek Swamp Dischrg	Np-237	30-Apr-13	4.51E-03	1.55E-03	Yes
Four Mile Creek at Rd A-7 ^a	Np-237	23-Apr-13	3.01E-02	3.44E-02	No
L3R-1A at Road B	Np-237	23-Apr-13	-1.41E-04	5.83E-04	No
POND 400	Np-237	30-Jan-13	1.60E-03	7.41E-04	No
Pen Branch Swamp Discharge	Np-237	30-Apr-13	1.52E-03	8.92E-04	No

2013 Radioactivity in River and Stream Sediment : Units are pCi/g

MDA = Minimum Detectable Activity

Location	Nuclide	CollectDate	SampleCon	SampleStd	Sig
R-Area Downstream of R-1 ^a	Np-237	23-Apr-13	-1.28E-02	2.06E-02	No
SC-2A 1 mile above Road B	Np-237	23-Apr-13	1.67E-03	1.24E-03	No
SC-4 Steel Creek at Road A	Np-237	30-Apr-13	1.62E-03	8.25E-04	No
SWDF Basin North (E-002)	Np-237	22-Apr-13	1.13E-03	9.44E-04	No
SWDF Basin South (E-001)	Np-237	22-Apr-13	0.00E+00	6.00E-01	No
TB-5 Near Road C	Np-237	22-Apr-13	3.46E-04	3.67E-04	No
Tinker Creek 1	Np-237	5-Feb-13	1.38E-03	7.13E-04	No
U3R-1A Treadway Bridge RD 8-1	Np-237	7-Feb-13	5.11E-03	1.57E-03	Yes
Z-Basin ^a	Np-237	9-Sep-13	-1.71E-04	2.69E-02	No
McQueens Branch Downstream	Np-237	13-Feb-13	0.00E+00	5.64E-01	No
McQueens Branch Control	Np-237	13-Feb-13	2.01E-03	9.06E-04	Yes

Savannah River

RM-118.7 Highway 301	U-238	14-May-13	1.21E+00	8.67E-02	Yes
RM-129 Lower 3 Runs Mouth	U-238	23-Apr-13	9.89E-01	6.81E-02	Yes
RM-134.0 Below Little Hell Lnd	U-238	14-May-13	9.73E-01	6.95E-02	Yes
RM-150.2 Below Four Mile Creek	U-238	23-Apr-13	1.04E+00	7.36E-02	Yes
RM-151 R-3A Above Vogle	U-238	14-May-13	1.45E+00	9.97E-02	Yes
RM-152.1 Beaver Dam Creek	U-238	23-Apr-13	9.59E-01	6.79E-02	Yes
RM-157.2 Upper 3 Runs Mouth	U-238	23-Apr-13	9.57E-01	7.20E-02	Yes
RM-160.5 Demier Landing	U-238	14-May-13	8.84E-01	6.41E-02	Yes

Onsite SRS Streams or Water Bodies

E-05	U-238	23-Apr-13	1.34E+00	1.00E-01	Yes
E-06	U-238	30-Jan-13	1.34E+00	9.89E-02	Yes
EAV Basin North (E-004)	U-238	30-Jan-13	4.76E-01	3.58E-02	Yes
EAV Basin South (E-003)	U-238	30-Jan-13	1.84E+00	1.32E-01	Yes
FM-2 at Road 4	U-238	23-Apr-13	1.55E+00	1.14E-01	Yes
FM-3A Below F-Area Effluent	U-238	23-Apr-13	1.45E+00	1.08E-01	Yes
Four Mile A-7A (Beaver Pond)	U-238	23-Apr-13	2.00E+00	1.40E-01	Yes
Four Mile Creek Swamp Dischrg	U-238	30-Apr-13	1.13E+00	8.22E-02	Yes
Four Mile Creek at Rd A-7 ^a	U-238	23-Apr-13	7.59E+00	3.24E-01	Yes
L3R-1A at Road B	U-238	23-Apr-13	8.76E-01	6.40E-02	Yes
POND 400	U-238	30-Jan-13	2.10E+00	1.48E-01	Yes
Pen Branch Swamp Discharge	U-238	30-Apr-13	9.73E-01	7.08E-02	Yes
R-Area Downstream of R-1 ^a	U-238	23-Apr-13	1.09E+00	2.76E-01	Yes
SC-2A 1 mile above Road B	U-238	23-Apr-13	2.73E+00	1.83E-01	Yes
SC-4 Steel Creek at Road A	U-238	30-Apr-13	7.70E-01	5.71E-02	Yes
SWDF Basin North (E-002)	U-238	22-Apr-13	2.31E+00	1.61E-01	Yes
SWDF Basin South (E-001)	U-238	22-Apr-13	1.31E+00	1.03E-01	Yes
TB-5 Near Road C	U-238	22-Apr-13	2.78E+00	2.05E-01	Yes
Tinker Creek 1	U-238	5-Feb-13	1.33E+00	9.59E-02	Yes
U3R-1A Treadway Bridge RD 8-1	U-238	7-Feb-13	1.28E+00	9.59E-02	Yes
Z-Basin ^a	U-238	9-Sep-13	4.19E-01	1.91E-01	Yes

2013 Radioactivity in River and Stream Sediment : Units are pCi/g

MDA = Minimum Detectable Activity

Location	Nuclide	CollectDate	SampleCon	SampleStd	Sig
Z-01 Outfall ^b	U-238	13-Feb-13	3.16E-01	6.32E-02	Yes
McQueens Branch Downstream	U-238	13-Feb-13	1.65E+00	1.24E-01	Yes
McQueens Branch Control	U-238	13-Feb-13	2.15E+00	1.53E-01	Yes
<i>Savannah River</i>					
RM-118.7 Highway 301	Pu-238	14-May-13	7.19E-04	5.09E-04	No
RM-129 Lower 3 Runs Mouth	Pu-238	23-Apr-13	8.38E-04	6.30E-04	No
RM-134.0 Below Little Hell Lnd	Pu-238	14-May-13	1.82E-03	9.17E-04	Yes
RM-150.2 Below Four Mile Creek	Pu-238	23-Apr-13	2.31E-03	9.82E-04	Yes
RM-151 R-3A Above Vogle	Pu-238	14-May-13	7.78E-04	5.51E-04	No
RM-152.1 Beaver Dam Creek	Pu-238	23-Apr-13	2.47E-03	9.52E-04	Yes
RM-157.2 Upper 3 Runs Mouth	Pu-238	23-Apr-13	1.08E-03	6.59E-04	No
RM-160.5 Demier Landing	Pu-238	14-May-13	7.24E-04	5.12E-04	No
<i>Onsite SRS Streams or Water Bodies</i>					
E-05	Pu-238	23-Apr-13	3.46E-03	1.58E-03	No
E-06	Pu-238	30-Jan-13	9.95E-04	7.94E-04	No
EAV Basin North (E-004)	Pu-238	30-Jan-13	1.25E-03	7.30E-04	No
EAV Basin South (E-003)	Pu-238	30-Jan-13	6.54E-03	1.60E-03	Yes
FM-2 at Road 4	Pu-238	23-Apr-13	7.19E-01	7.23E-02	Yes
FM-3A Below F-Area Effluent	Pu-238	23-Apr-13	4.76E-03	1.67E-03	Yes
Four Mile A-7A (Beaver Pond)	Pu-238	23-Apr-13	3.19E-01	3.22E-02	Yes
Four Mile Creek Swamp Dischrg	Pu-238	30-Apr-13	6.03E-02	7.76E-03	Yes
Four Mile Creek at Rd A-7 ^a	Pu-238	23-Apr-13	1.52E+00	2.82E-01	Yes
L3R-1A at Road B	Pu-238	23-Apr-13	8.05E-04	6.08E-04	No
POND 400	Pu-238	30-Jan-13	8.81E-02	9.36E-03	Yes
Pen Branch Swamp Discharge	Pu-238	30-Apr-13	4.95E-03	1.36E-03	Yes
R-Area Downstream of R-1 ^a	Pu-238	23-Apr-13	1.26E-01	1.09E-01	No
SC-2A 1 mile above Road B	Pu-238	23-Apr-13	7.65E-03	2.70E-03	Yes
SC-4 Steel Creek at Road A	Pu-238	30-Apr-13	4.51E-02	6.01E-03	Yes
SWDF Basin North (E-002)	Pu-238	22-Apr-13	8.30E-02	9.86E-03	Yes
SWDF Basin South (E-001)	Pu-238	22-Apr-13	1.56E-01	1.89E-02	Yes
TB-5 Near Road C	Pu-238	22-Apr-13	1.06E-03	6.37E-04	No
Tinker Creek 1	Pu-238	5-Feb-13	1.96E-02	3.15E-03	Yes
U3R-1A Treadway Bridge RD 8-1	Pu-238	7-Feb-13	4.27E-03	1.39E-03	Yes
Z-Basin ^a	Pu-238	9-Sep-13	6.16E-02	1.40E-01	No
Z-01 Outfall ^b	Pu-238	13-Feb-13	<1.73E+00	<MDA	No
McQueens Branch Downstream	Pu-238	13-Feb-13	8.35E-04	9.80E-04	No
McQueens Branch Control	Pu-238	13-Feb-13	1.62E-01	1.73E-02	Yes
<i>Savannah River</i>					
RM-118.7 Highway 301	Pu-239	14-May-13	2.86E-03	1.04E-03	Yes
RM-129 Lower 3 Runs Mouth	Pu-239	23-Apr-13	1.16E-03	9.67E-04	No
RM-134.0 Below Little Hell Lnd	Pu-239	14-May-13	7.54E-04	8.96E-04	No
RM-150.2 Below Four Mile Creek	Pu-239	23-Apr-13	7.49E-04	5.57E-04	No

2013 Radioactivity in River and Stream Sediment : Units are pCi/g

MDA = Minimum Detectable Activity

Location	Nuclide	CollectDate	SampleCon	SampleStd	Sig
RM-151 R-3A Above Vogle	Pu-239	14-May-13	1.29E-04	4.67E-04	No
RM-152.1 Beaver Dam Creek	Pu-239	23-Apr-13	1.02E-03	6.23E-04	No
RM-157.2 Upper 3 Runs Mouth	Pu-239	23-Apr-13	4.68E-03	1.49E-03	Yes
RM-160.5 Demier Landing	Pu-239	14-May-13	0.00E+00	3.38E-01	No

Onsite SRS Streams or Water Bodies

E-05	Pu-239	23-Apr-13	8.19E-03	2.57E-03	Yes
E-06	Pu-239	30-Jan-13	3.38E-03	1.24E-03	Yes
EAV Basin North (E-004)	Pu-239	30-Jan-13	2.21E-03	1.08E-03	Yes
EAV Basin South (E-003)	Pu-239	30-Jan-13	6.95E-03	1.71E-03	Yes
FM-2 at Road 4	Pu-239	23-Apr-13	3.76E-02	5.55E-03	Yes
FM-3A Below F-Area Effluent	Pu-239	23-Apr-13	1.28E-02	3.14E-03	Yes
Four Mile A-7A (Beaver Pond)	Pu-239	23-Apr-13	1.75E-01	1.86E-02	Yes
Four Mile Creek Swamp Dischrg	Pu-239	30-Apr-13	4.32E-02	6.07E-03	Yes
Four Mile Creek at Rd A-7 ^a	Pu-239	23-Apr-13	7.70E-01	2.02E-01	Yes
L3R-1A at Road B	Pu-239	23-Apr-13	1.68E-03	1.15E-03	No
POND 400	Pu-239	30-Jan-13	3.41E-01	3.16E-02	Yes
Pen Branch Swamp Discharge	Pu-239	30-Apr-13	2.03E-02	3.23E-03	Yes
R-Area Downstream of R-1 ^a	Pu-239	23-Apr-13	2.16E+00	4.19E-01	Yes
SC-2A 1 mile above Road B	Pu-239	23-Apr-13	1.01E-02	3.19E-03	Yes
SC-4 Steel Creek at Road A	Pu-239	30-Apr-13	4.38E-02	5.80E-03	Yes
SWDF Basin North (E-002)	Pu-239	22-Apr-13	4.97E-02	6.57E-03	Yes
SWDF Basin South (E-001)	Pu-239	22-Apr-13	1.89E-02	3.87E-03	Yes
TB-5 Near Road C	Pu-239	22-Apr-13	3.92E-03	1.25E-03	Yes
Tinker Creek 1	Pu-239	5-Feb-13	1.15E-02	2.28E-03	Yes
U3R-1A Treadway Bridge RD 8-1	Pu-239	7-Feb-13	1.06E-02	2.35E-03	Yes
Z-Basin ^a	Pu-239	9-Sep-13	5.33E-02	1.41E-01	No
Z-01 Outfall ^b	Pu-239/240	13-Feb-13	<5.68E+00	<MDA	No
McQueens Branch Downstream	Pu-239	13-Feb-13	1.62E-03	1.39E-03	No
McQueens Branch Control	Pu-239	13-Feb-13	9.27E-02	1.07E-02	Yes

Savannah River

RM-118.7 Highway 301	Am-241	14-May-13	2.65E-03	9.56E-04	Yes
RM-129 Lower 3 Runs Mouth	Am-241	23-Apr-13	1.24E-03	7.90E-04	No
RM-134.0 Below Little Hell Lnd	Am-241	14-May-13	4.41E-04	5.19E-04	No
RM-150.2 Below Four Mile Creek	Am-241	23-Apr-13	0.00E+00	3.81E-01	No
RM-151 R-3A Above Vogle	Am-241	14-May-13	9.08E-04	7.26E-04	No
RM-152.1 Beaver Dam Creek	Am-241	23-Apr-13	6.46E-04	4.78E-04	No
RM-157.2 Upper 3 Runs Mouth	Am-241	23-Apr-13	2.36E-03	9.78E-04	Yes
RM-160.5 Demier Landing	Am-241	14-May-13	1.15E-04	4.13E-04	No

Onsite SRS Streams or Water Bodies

E-05	Am-241	23-Apr-13	1.17E-03	6.96E-04	No
E-06	Am-241	30-Jan-13	7.84E-04	9.82E-04	No
EAV Basin North (E-004)	Am-241	30-Jan-13	4.14E-04	4.70E-04	No

2013 Radioactivity in River and Stream Sediment : Units are pCi/g

MDA = Minimum Detectable Activity

Location	Nuclide	CollectDate	SampleCon	SampleStd	Sig
EAV Basin South (E-003)	Am-241	30-Jan-13	1.20E-03	7.33E-04	No
FM-2 at Road 4	Am-241	23-Apr-13	2.01E-02	3.48E-03	Yes
FM-3A Below F-Area Effluent	Am-241	23-Apr-13	4.19E-03	1.40E-03	Yes
Four Mile A-7A (Beaver Pond)	Am-241	23-Apr-13	1.60E-01	1.42E-02	Yes
Four Mile Creek Swamp Dischrg	Am-241	30-Apr-13	3.92E-02	4.83E-03	Yes
Four Mile Creek at Rd A-7 ^a	Am-241	23-Apr-13	6.04E-01	1.87E-01	Yes
L3R-1A at Road B	Am-241	23-Apr-13	7.51E-04	5.33E-04	No
POND 400	Am-241	30-Jan-13	5.54E-02	6.07E-03	Yes
Pen Branch Swamp Discharge	Am-241	30-Apr-13	9.46E-03	2.01E-03	Yes
R-Area Downstream of R-1 ^a	Am-241	23-Apr-13	1.84E+00	3.36E-01	Yes
SC-2A 1 mile above Road B	Am-241	23-Apr-13	2.31E-03	1.01E-03	Yes
SC-4 Steel Creek at Road A	Am-241	30-Apr-13	2.55E-02	3.49E-03	Yes
SWDF Basin North (E-002)	Am-241	22-Apr-13	9.38E-02	8.63E-03	Yes
SWDF Basin South (E-001)	Am-241	22-Apr-13	3.62E-03	1.30E-03	Yes
TB-5 Near Road C	Am-241	22-Apr-13	7.57E-04	5.37E-04	No
Tinker Creek 1	Am-241	5-Feb-13	1.02E-03	8.92E-04	No
U3R-1A Treadway Bridge RD 8-1	Am-241	7-Feb-13	5.51E-03	1.62E-03	Yes
Z-Basin ^a	Am-241	9-Sep-13	3.76E-02	8.64E-02	No
McQueens Branch Downstream	Am-241	13-Feb-13	-2.45E-05	2.24E-05	No
McQueens Branch Control	Am-241	13-Feb-13	1.01E-02	2.00E-03	Yes

Savannah River

RM-118.7 Highway 301	Cm-244	14-May-13	2.00E-04	3.62E-04	No
RM-129 Lower 3 Runs Mouth	Cm-244	23-Apr-13	9.08E-05	4.50E-04	No
RM-134.0 Below Little Hell Lnd	Cm-244	14-May-13	1.20E-03	6.99E-04	No
RM-150.2 Below Four Mile Creek	Cm-244	23-Apr-13	4.11E-04	4.13E-04	No
RM-151 R-3A Above Vogle	Cm-244	14-May-13	-3.95E-04	2.81E-04	No
RM-152.1 Beaver Dam Creek	Cm-244	23-Apr-13	0.00E+00	3.07E-01	No
RM-157.2 Upper 3 Runs Mouth	Cm-244	23-Apr-13	-2.97E-04	2.63E-04	No
RM-160.5 Demier Landing	Cm-244	14-May-13	5.57E-04	5.16E-04	No

Onsite SRS Streams or Water Bodies

E-05	Cm-244	23-Apr-13	-1.34E-04	5.51E-04	No
E-06	Cm-244	30-Jan-13	-4.86E-05	4.70E-05	No
EAV Basin North (E-004)	Cm-244	30-Jan-13	-4.86E-05	4.49E-05	No
EAV Basin South (E-003)	Cm-244	30-Jan-13	-4.86E-05	4.43E-05	No
FM-2 at Road 4	Cm-244	23-Apr-13	1.53E-02	2.96E-03	Yes
FM-3A Below F-Area Effluent	Cm-244	23-Apr-13	9.05E-03	2.08E-03	Yes
Four Mile A-7A (Beaver Pond)	Cm-244	23-Apr-13	1.44E-01	1.28E-02	Yes
Four Mile Creek Swamp Dischrg	Cm-244	30-Apr-13	4.03E-02	4.92E-03	Yes
Four Mile Creek at Rd A-7 ^a	Cm-244	23-Apr-13	7.26E-01	2.08E-01	Yes
L3R-1A at Road B	Cm-244	23-Apr-13	-3.35E-05	2.97E-05	No
POND 400	Cm-244	30-Jan-13	9.24E-03	2.02E-03	Yes
Pen Branch Swamp Discharge	Cm-244	30-Apr-13	3.70E-04	3.71E-04	No
R-Area Downstream of R-1 ^a	Cm-244	23-Apr-13	1.74E-01	1.07E-01	Yes

Data Section

2013 Radioactivity in River and Stream Sediment : Units are pCi/g

MDA = Minimum Detectable Activity

Location	Nuclide	CollectDate	SampleCon	SampleStd	Sig
SC-2A 1 mile above Road B	Cm-244	23-Apr-13	0.00E+00	3.85E-01	No
SC-4 Steel Creek at Road A	Cm-244	30-Apr-13	1.03E-03	6.22E-04	No
SWDF Basin North (E-002)	Cm-244	22-Apr-13	1.54E-02	2.55E-03	Yes
SWDF Basin South (E-001)	Cm-244	22-Apr-13	-3.35E-05	3.05E-05	No
TB-5 Near Road C	Cm-244	22-Apr-13	3.81E-04	3.81E-04	No
Tinker Creek 1	Cm-244	5-Feb-13	-4.86E-05	4.42E-05	No
U3R-1A Treadway Bridge RD 8-1	Cm-244	7-Feb-13	4.22E-03	1.48E-03	Yes
Z-Basin ^a	Cm-244	9-Sep-13	2.44E-02	6.87E-02	No
McQueens Branch Downstream	Cm-244	2/13/2013	4.78E-04	4.79E-04	No
McQueens Branch Control	Cm-244	2/13/2013	1.80E-03	8.65E-04	Yes
Onsite SRS Streams or Water Bodies					
Z-Basin ^a	Gross Alpha	9-Sep-13	6.51E+00	2.11E+00	Yes
Z-01 Outfall ^b	Gross Alpha	2/13/2013	1.04E+01	1.55E+00	Yes
McQueens Branch Downstream	Gross Alpha	2/13/2013	1.80E+01	7.08E-01	Yes
McQueens Branch Control	Gross Alpha	2/13/2013	1.31E+01	2.29E+00	Yes
Onsite SRS Streams or Water Bodies					
Z-Basin ^a	Gross Beta	9-Sep-13	1.68E+03	1.57E+01	Yes
Z-01 Outfall ^b	Gross Beta	2/13/2013	5.14E+02	2.57E+01	Yes
McQueens Branch Downstream	Gross Beta	2/13/2013	1.22E+01	5.18E-01	Yes
McQueens Branch Control	Gross Beta	2/13/2013	9.53E+00	1.87E+00	Yes

^a Analyzed by GEL Laboratories, LLC

^b Analyzed by Savannah River National Laboratory

All other samples were analyzed by the Environmental and Bioassay Laboratory at SRS