

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 5-5 Tritium in Rainwater

Summary Statistic Section

2014 Tritium in Rainwater : Units are pCi/L

Location	Nuclide	SummaryStat	SampleCon	SampleStd	Sig
Onsite					
Burial Ground North	H-3	N	13	NA	NA
Burial Ground North	H-3	Mean	3.27E+03	5.84E+01	NA
Burial Ground North	H-3	Minimum	3.38E+02	1.35E+02	No
Burial Ground North	H-3	Maximum	8.76E+03	3.01E+02	Yes
Site Perimeter					
Allendale Gate	H-3	N	12	NA	NA
Allendale Gate	H-3	Mean	2.39E+01	3.59E+01	NA
Allendale Gate	H-3	Minimum	-2.58E+02	1.25E+02	No
Allendale Gate	H-3	Maximum	3.08E+02	1.29E+02	No
Barnwell Gate	H-3	N	13	NA	NA
Barnwell Gate	H-3	Mean	6.34E+01	3.33E+01	NA
Barnwell Gate	H-3	Minimum	-2.41E+02	1.24E+02	No
Barnwell Gate	H-3	Maximum	1.51E+03	8.49E+01	Yes
D-Area	H-3	N	13	NA	NA
D-Area	H-3	Mean	2.74E+02	3.70E+01	NA
D-Area	H-3	Minimum	-1.19E+02	1.29E+02	No
D-Area	H-3	Maximum	7.54E+02	1.64E+02	Yes
Darkhorse @ Williston Gate	H-3	N	13	NA	NA
Darkhorse @ Williston Gate	H-3	Mean	6.03E+01	3.50E+01	NA
Darkhorse @ Williston Gate	H-3	Minimum	-2.29E+02	1.33E+02	No
Darkhorse @ Williston Gate	H-3	Maximum	3.51E+02	1.34E+02	No
East Talatha	H-3	N	13	NA	NA
East Talatha	H-3	Mean	6.33E+01	3.49E+01	NA
East Talatha	H-3	Minimum	-1.30E+02	1.37E+02	No
East Talatha	H-3	Maximum	2.26E+02	1.35E+02	No
Green Pond	H-3	N	13	NA	NA
Green Pond	H-3	Mean	1.10E+02	3.54E+01	NA
Green Pond	H-3	Minimum	-1.58E+02	1.17E+02	No
Green Pond	H-3	Maximum	7.51E+02	1.43E+02	Yes
Highway 21/167	H-3	N	13	NA	NA
Highway 21/167	H-3	Mean	3.54E+01	3.48E+01	NA
Highway 21/167	H-3	Minimum	-1.59E+02	1.21E+02	No
Highway 21/167	H-3	Maximum	4.73E+02	1.37E+02	Yes

2014 Tritium in Rainwater : Units are pCi/L

Location	Nuclide	SummaryStat	SampleCon	SampleStd	Sig
Jackson	H-3	N	13	NA	NA
Jackson	H-3	Mean	3.15E+01	3.49E+01	NA
Jackson	H-3	Minimum	-1.11E+02	1.25E+02	No
Jackson	H-3	Maximum	3.32E+02	1.30E+02	No
Patterson Mill Road	H-3	N	13	NA	NA
Patterson Mill Road	H-3	Mean	-7.72E+00	3.43E+01	NA
Patterson Mill Road	H-3	Minimum	-2.38E+02	1.13E+02	No
Patterson Mill Road	H-3	Maximum	4.22E+02	1.34E+02	Yes
Talatha Gate	H-3	N	13	NA	NA
Talatha Gate	H-3	Mean	5.23E+01	3.49E+01	NA
Talatha Gate	H-3	Minimum	-1.38E+02	1.23E+02	No
Talatha Gate	H-3	Maximum	1.75E+02	1.25E+02	No
25-Mile Radius					
Aiken Airport	H-3	N	13	NA	NA
Aiken Airport	H-3	Mean	2.56E+01	3.48E+01	NA
Aiken Airport	H-3	Minimum	-1.66E+02	1.28E+02	No
Aiken Airport	H-3	Maximum	1.73E+02	1.24E+02	No
Augusta Lock and Dam 614	H-3	N	13	NA	NA
Augusta Lock and Dam 614	H-3	Mean	3.66E+01	3.59E+01	NA
Augusta Lock and Dam 614	H-3	Minimum	-2.16E+02	1.27E+02	No
Augusta Lock and Dam 614	H-3	Maximum	2.41E+02	1.29E+02	No
Highway 301 @ State Line	H-3	N	13	NA	NA
Highway 301 @ State Line	H-3	Mean	7.16E+00	3.44E+01	NA
Highway 301 @ State Line	H-3	Minimum	-1.78E+02	1.18E+02	No
Highway 301 @ State Line	H-3	Maximum	1.82E+02	1.34E+02	No

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 5-5 Tritium in Rainwater

Sample Measurement Section

2014 Tritium in Rainwater : Units are pCi/L

Location	Nuclide	Collection Date	SampleCon	SampleStd	Sig
Onsite					
Burial Ground North	H-3	5-Feb-14	2.95E+03	2.27E+02	Yes
Burial Ground North	H-3	5-Mar-14	5.46E+02	1.37E+02	Yes
Burial Ground North	H-3	2-Apr-14	4.24E+03	2.23E+02	Yes
Burial Ground North	H-3	30-Apr-14	2.21E+03	1.95E+02	Yes
Burial Ground North	H-3	28-May-14	3.38E+02	1.35E+02	No
Burial Ground North	H-3	25-Jun-14	9.22E+02	1.56E+02	Yes
Burial Ground North	H-3	23-Jul-14	4.32E+03	2.34E+02	Yes
Burial Ground North	H-3	20-Aug-14	1.50E+03	1.68E+02	Yes
Burial Ground North	H-3	17-Sep-14	6.57E+03	2.61E+02	Yes
Burial Ground North	H-3	15-Oct-14	3.62E+03	2.13E+02	Yes
Burial Ground North	H-3	12-Nov-14	3.19E+03	2.06E+02	Yes
Burial Ground North	H-3	10-Dec-14	8.76E+03	3.01E+02	Yes
Burial Ground North	H-3	7-Jan-15	3.38E+03	2.16E+02	Yes
Site Perimeter					
Allendale Gate	H-3	5-Feb-14	1.75E+00	1.28E+02	No
Allendale Gate	H-3	5-Mar-14	7.03E+01	1.26E+02	No
Allendale Gate	H-3	2-Apr-14	-1.82E+01	1.19E+02	No
Allendale Gate	H-3	28-May-14	-1.49E+02	1.17E+02	No
Allendale Gate	H-3	25-Jun-14	-3.11E+01	1.28E+02	No
Allendale Gate	H-3	23-Jul-14	-2.58E+02	1.25E+02	No
Allendale Gate	H-3	20-Aug-14	-6.84E+01	1.22E+02	No
Allendale Gate	H-3	17-Sep-14	9.19E+01	1.14E+02	No
Allendale Gate	H-3	15-Oct-14	2.11E+02	1.25E+02	No
Allendale Gate	H-3	12-Nov-14	4.03E+01	1.25E+02	No
Allendale Gate	H-3	10-Dec-14	3.08E+02	1.29E+02	No
Allendale Gate	H-3	7-Jan-15	8.89E+01	1.32E+02	No
Barnwell Gate	H-3	5-Feb-14	-6.22E+01	1.25E+02	No
Barnwell Gate	H-3	5-Mar-14	1.28E+02	1.23E+02	No
Barnwell Gate	H-3	2-Apr-14	-8.54E+01	1.16E+02	No
Barnwell Gate	H-3	30-Apr-14	-2.14E+02	1.35E+02	No
Barnwell Gate	H-3	28-May-14	-2.04E+02	1.17E+02	No
Barnwell Gate	H-3	25-Jun-14	-7.11E+01	1.27E+02	No
Barnwell Gate	H-3	23-Jul-14	-2.41E+02	1.24E+02	No
Barnwell Gate	H-3	20-Aug-14	-6.97E+01	1.21E+02	No
Barnwell Gate	H-3	17-Sep-14	6.81E+00	1.11E+02	No

2014 Tritium in Rainwater : Units are pCi/L

Location	Nuclide	Collection Date	SampleCon	SampleStd	Sig
Barnwell Gate	H-3	15-Oct-14	5.19E+01	1.21E+02	No
Barnwell Gate	H-3	12-Nov-14	1.51E+03	8.49E+01	Yes
Barnwell Gate	H-3	10-Dec-14	-3.19E+01	1.16E+02	No
Barnwell Gate	H-3	6-Jan-15	1.02E+02	1.31E+02	No
D-Area	H-3	5-Feb-14	2.11E+02	1.34E+02	No
D-Area	H-3	5-Mar-14	6.78E+02	1.41E+02	Yes
D-Area	H-3	2-Apr-14	1.19E+02	1.23E+02	No
D-Area	H-3	30-Apr-14	7.54E+02	1.64E+02	Yes
D-Area	H-3	28-May-14	-6.38E+01	1.21E+02	No
D-Area	H-3	25-Jun-14	1.19E+02	1.31E+02	No
D-Area	H-3	23-Jul-14	-1.19E+02	1.29E+02	No
D-Area	H-3	20-Aug-14	5.95E+02	1.44E+02	Yes
D-Area	H-3	17-Sep-14	3.22E+02	1.22E+02	No
D-Area	H-3	15-Oct-14	7.51E+02	1.43E+02	Yes
D-Area	H-3	12-Nov-14	3.41E+01	1.22E+02	No
D-Area	H-3	10-Dec-14	4.78E+01	1.20E+02	No
D-Area	H-3	7-Jan-15	1.15E+02	1.31E+02	No
Darkhorse @ Williston Gate	H-3	5-Feb-14	6.35E+01	1.32E+02	No
Darkhorse @ Williston Gate	H-3	5-Mar-14	1.23E+02	1.24E+02	No
Darkhorse @ Williston Gate	H-3	2-Apr-14	1.91E+02	1.27E+02	No
Darkhorse @ Williston Gate	H-3	30-Apr-14	-2.29E+02	1.33E+02	No
Darkhorse @ Williston Gate	H-3	28-May-14	3.51E+02	1.34E+02	No
Darkhorse @ Williston Gate	H-3	25-Jun-14	8.84E+01	1.32E+02	No
Darkhorse @ Williston Gate	H-3	23-Jul-14	-2.25E+02	1.24E+02	No
Darkhorse @ Williston Gate	H-3	20-Aug-14	1.26E+02	1.28E+02	No
Darkhorse @ Williston Gate	H-3	17-Sep-14	1.98E+02	1.18E+02	No
Darkhorse @ Williston Gate	H-3	15-Oct-14	1.19E+02	1.22E+02	No
Darkhorse @ Williston Gate	H-3	12-Nov-14	5.38E+01	1.23E+02	No
Darkhorse @ Williston Gate	H-3	10-Dec-14	-6.38E+01	1.15E+02	No
Darkhorse @ Williston Gate	H-3	7-Jan-15	-1.25E+01	1.26E+02	No
East Talatha	H-3	5-Feb-14	3.49E+00	1.28E+02	No
East Talatha	H-3	5-Mar-14	5.22E+01	1.21E+02	No
East Talatha	H-3	2-Apr-14	1.32E+02	1.23E+02	No
East Talatha	H-3	30-Apr-14	-1.30E+02	1.37E+02	No
East Talatha	H-3	28-May-14	1.51E+02	1.28E+02	No
East Talatha	H-3	25-Jun-14	-5.49E+01	1.26E+02	No
East Talatha	H-3	23-Jul-14	8.51E+00	1.33E+02	No
East Talatha	H-3	20-Aug-14	-2.36E+01	1.22E+02	No
East Talatha	H-3	17-Sep-14	2.06E+02	1.18E+02	No
East Talatha	H-3	15-Oct-14	1.12E+02	1.21E+02	No
East Talatha	H-3	12-Nov-14	-1.26E+01	1.21E+02	No
East Talatha	H-3	10-Dec-14	1.54E+02	1.23E+02	No
East Talatha	H-3	7-Jan-15	2.26E+02	1.35E+02	No

2014 Tritium in Rainwater : Units are pCi/L

Location	Nuclide	Collection Date	SampleCon	SampleStd	Sig
Green Pond	H-3	5-Feb-14	1.30E+02	1.34E+02	No
Green Pond	H-3	5-Mar-14	2.92E+01	1.19E+02	No
Green Pond	H-3	2-Apr-14	-5.32E+01	1.19E+02	No
Green Pond	H-3	30-Apr-14	1.40E+02	1.43E+02	No
Green Pond	H-3	28-May-14	7.70E+01	1.25E+02	No
Green Pond	H-3	25-Jun-14	6.86E+01	1.30E+02	No
Green Pond	H-3	23-Jul-14	-1.22E+02	1.28E+02	No
Green Pond	H-3	20-Aug-14	-1.58E+02	1.17E+02	No
Green Pond	H-3	17-Sep-14	1.44E+02	1.16E+02	No
Green Pond	H-3	15-Oct-14	3.05E+02	1.27E+02	No
Green Pond	H-3	12-Nov-14	1.76E+02	1.29E+02	No
Green Pond	H-3	10-Dec-14	7.51E+02	1.43E+02	Yes
Green Pond	H-3	6-Jan-15	-5.95E+01	1.26E+02	No
Highway 21/167	H-3	5-Feb-14	1.53E+02	1.33E+02	No
Highway 21/167	H-3	5-Mar-14	5.54E+01	1.21E+02	No
Highway 21/167	H-3	2-Apr-14	-1.21E+02	1.16E+02	No
Highway 21/167	H-3	30-Apr-14	-5.81E+01	1.40E+02	No
Highway 21/167	H-3	28-May-14	-1.59E+02	1.21E+02	No
Highway 21/167	H-3	25-Jun-14	-6.08E+01	1.28E+02	No
Highway 21/167	H-3	23-Jul-14	-1.33E+02	1.28E+02	No
Highway 21/167	H-3	20-Aug-14	-5.24E+01	1.21E+02	No
Highway 21/167	H-3	17-Sep-14	3.89E+01	1.12E+02	No
Highway 21/167	H-3	15-Oct-14	1.22E+02	1.22E+02	No
Highway 21/167	H-3	12-Nov-14	4.73E+02	1.37E+02	Yes
Highway 21/167	H-3	10-Dec-14	2.31E+02	1.26E+02	No
Highway 21/167	H-3	7-Jan-15	-3.03E+01	1.25E+02	No
Jackson	H-3	5-Feb-14	-5.41E+01	1.30E+02	No
Jackson	H-3	5-Mar-14	1.02E+02	1.22E+02	No
Jackson	H-3	2-Apr-14	9.24E+01	1.23E+02	No
Jackson	H-3	30-Apr-14	-1.98E+01	1.40E+02	No
Jackson	H-3	28-May-14	-8.62E+00	1.23E+02	No
Jackson	H-3	25-Jun-14	-1.11E+02	1.25E+02	No
Jackson	H-3	23-Jul-14	-8.24E+01	1.32E+02	No
Jackson	H-3	20-Aug-14	-6.78E+01	1.21E+02	No
Jackson	H-3	17-Sep-14	1.08E+02	1.16E+02	No
Jackson	H-3	15-Oct-14	1.35E+02	1.24E+02	No
Jackson	H-3	12-Nov-14	7.19E+00	1.21E+02	No
Jackson	H-3	10-Dec-14	3.32E+02	1.30E+02	No
Jackson	H-3	7-Jan-15	-2.35E+01	1.27E+02	No
Patterson Mill Road	H-3	5-Feb-14	-2.19E+02	1.22E+02	No
Patterson Mill Road	H-3	5-Mar-14	4.22E+02	1.34E+02	Yes
Patterson Mill Road	H-3	2-Apr-14	3.00E+01	1.22E+02	No
Patterson Mill Road	H-3	30-Apr-14	-7.89E+01	1.38E+02	No

2014 Tritium in Rainwater : Units are pCi/L

Location	Nuclide	Collection Date	SampleCon	SampleStd	Sig
Patterson Mill Road	H-3	28-May-14	-2.38E+02	1.13E+02	No
Patterson Mill Road	H-3	25-Jun-14	-2.08E+01	1.29E+02	No
Patterson Mill Road	H-3	23-Jul-14	-2.08E+02	1.25E+02	No
Patterson Mill Road	H-3	20-Aug-14	-2.03E+02	1.17E+02	No
Patterson Mill Road	H-3	17-Sep-14	2.58E+02	1.20E+02	No
Patterson Mill Road	H-3	15-Oct-14	-1.05E+02	1.14E+02	No
Patterson Mill Road	H-3	12-Nov-14	3.38E+01	1.21E+02	No
Patterson Mill Road	H-3	10-Dec-14	3.03E+02	1.27E+02	No
Patterson Mill Road	H-3	7-Jan-15	-7.32E+01	1.21E+02	No
Talatha Gate	H-3	5-Feb-14	-1.38E+02	1.23E+02	No
Talatha Gate	H-3	5-Mar-14	1.40E+02	1.24E+02	No
Talatha Gate	H-3	2-Apr-14	1.66E+02	1.24E+02	No
Talatha Gate	H-3	30-Apr-14	-1.64E+01	1.40E+02	No
Talatha Gate	H-3	28-May-14	3.46E+01	1.25E+02	No
Talatha Gate	H-3	25-Jun-14	-2.78E+01	1.28E+02	No
Talatha Gate	H-3	23-Jul-14	-3.24E+01	1.32E+02	No
Talatha Gate	H-3	20-Aug-14	1.55E+02	1.29E+02	No
Talatha Gate	H-3	17-Sep-14	9.22E+01	1.15E+02	No
Talatha Gate	H-3	15-Oct-14	4.95E+01	1.20E+02	No
Talatha Gate	H-3	12-Nov-14	7.41E+01	1.24E+02	No
Talatha Gate	H-3	10-Dec-14	1.75E+02	1.25E+02	No
Talatha Gate	H-3	7-Jan-15	8.97E+00	1.27E+02	No
25-Mile Radius					
Aiken Airport	H-3	6-Feb-14	-1.16E+02	1.23E+02	No
Aiken Airport	H-3	6-Mar-14	6.95E+01	1.22E+02	No
Aiken Airport	H-3	3-Apr-14	-4.89E+01	1.17E+02	No
Aiken Airport	H-3	1-May-14	-1.65E+00	1.41E+02	No
Aiken Airport	H-3	29-May-14	7.89E+01	1.28E+02	No
Aiken Airport	H-3	26-Jun-14	1.72E+01	1.29E+02	No
Aiken Airport	H-3	24-Jul-14	-1.66E+02	1.28E+02	No
Aiken Airport	H-3	21-Aug-14	-6.89E+01	1.23E+02	No
Aiken Airport	H-3	18-Sep-14	1.50E+02	1.17E+02	No
Aiken Airport	H-3	16-Oct-14	1.73E+02	1.24E+02	No
Aiken Airport	H-3	13-Nov-14	1.71E+02	1.27E+02	No
Aiken Airport	H-3	11-Dec-14	1.08E+02	1.22E+02	No
Aiken Airport	H-3	8-Jan-15	-3.24E+01	1.27E+02	No
Augusta Lock and Dam 614	H-3	6-Feb-14	-8.89E+00	1.30E+02	No
Augusta Lock and Dam 614	H-3	6-Mar-14	6.32E+01	1.23E+02	No
Augusta Lock and Dam 614	H-3	3-Apr-14	4.41E+01	1.25E+02	No
Augusta Lock and Dam 614	H-3	1-May-14	7.92E+01	1.46E+02	No
Augusta Lock and Dam 614	H-3	29-May-14	-7.43E+01	1.21E+02	No
Augusta Lock and Dam 614	H-3	26-Jun-14	-1.08E+02	1.31E+02	No

2014 Tritium in Rainwater : Units are pCi/L

Location	Nuclide	Collection Date	SampleCon	SampleStd	Sig
Augusta Lock and Dam 614	H-3	24-Jul-14	-2.16E+02	1.27E+02	No
Augusta Lock and Dam 614	H-3	21-Aug-14	6.81E+01	1.29E+02	No
Augusta Lock and Dam 614	H-3	18-Sep-14	2.23E+02	1.22E+02	No
Augusta Lock and Dam 614	H-3	16-Oct-14	1.70E+01	1.26E+02	No
Augusta Lock and Dam 614	H-3	13-Nov-14	-5.97E+01	1.28E+02	No
Augusta Lock and Dam 614	H-3	11-Dec-14	2.41E+02	1.29E+02	No
Augusta Lock and Dam 614	H-3	8-Jan-15	2.06E+02	1.41E+02	No
Highway 301 @ State Line	H-3	6-Feb-14	1.82E+02	1.34E+02	No
Highway 301 @ State Line	H-3	6-Mar-14	-5.24E+00	1.20E+02	No
Highway 301 @ State Line	H-3	3-Apr-14	-1.01E+02	1.14E+02	No
Highway 301 @ State Line	H-3	1-May-14	6.41E+01	1.43E+02	No
Highway 301 @ State Line	H-3	29-May-14	-9.51E+01	1.18E+02	No
Highway 301 @ State Line	H-3	26-Jun-14	-5.81E+01	1.26E+02	No
Highway 301 @ State Line	H-3	24-Jul-14	-8.43E+01	1.29E+02	No
Highway 301 @ State Line	H-3	21-Aug-14	-1.78E+02	1.18E+02	No
Highway 301 @ State Line	H-3	18-Sep-14	5.11E+01	1.13E+02	No
Highway 301 @ State Line	H-3	16-Oct-14	1.42E+02	1.23E+02	No
Highway 301 @ State Line	H-3	13-Nov-14	1.00E+02	1.24E+02	No
Highway 301 @ State Line	H-3	11-Dec-14	-3.54E+00	1.18E+02	No
Highway 301 @ State Line	H-3	8-Jan-15	7.89E+01	1.30E+02	No