

# Errata



The following entry corrects information that was reported inaccurately in the *Savannah River Environmental Report for 2010* (SRNS-STI-2011-00059):

**Data Table 5–4, Radioactivity in Rain Ion Column:** The computer program code for the onsite laboratory analysis of Strontium (Sr) 89/90 (i.e., for annual environmental air surveillance particulate filters) failed to consider Yttrium ingrowth and air volume without manual manipulation. Without the manual intervention, the reported values were approximately three orders of magnitude from the correct values.

Manual calculation checks were performed, validated, and determined to be consistent with the modified computer program code. A permanent software change has been implemented to prevent recurrence. The Sr-89/90 corrected values are listed below.

Location	Sample Conc. ( $\mu\text{Ci}/\text{m}^3$ )	Sample Std. Dev. ( $\mu\text{Ci}/\text{m}^3$ )
Savannah, GA	3.59E-05	1.14E-04
Highway 21/167	1.13E-05	1.24E-04
East Talatha	1.37E-04	1.38E-04
Darkhorse @ Williston Gate	3.70E-04	1.51E-04
Talatha Gate	1.24E-04	1.03E-04
Jackson, GA	7.37E-05	1.40E-04
Green Pond	1.34E-04	1.36E-04
Barnwell Gate	-1.39E-05	9.30E-05
Patterson Mill Road	4.88E-05	1.35E-04
Allendale Gate	-8.76E-05	1.22E-04
D-Area	1.90E-04	1.41E-04
Burial Ground North	5.84E-04	1.69E-04
Aiken Airport	1.22E-04	1.06E-04
Augusta Lock and Dam 614	1.86E-05	9.17E-05
Highway 301 @ State Line	3.99E-05	1.00E-04

