

NOTE: (a) The tritium release total includes direct + migration releases which are used in the dose calculations for SRS impacts. It does not include releases to the Savannah River from the Vogtle Electric Generating Plant or migration releases into Lower Three Runs from the Barnwell Low-Level Radioactive Waste Disposal Facility.

NOTE: (b) Depending on which value is higher, the Cs-137 release total is based on concentrations measured in RM 118.8 fish or on the actual measured effluent release total from the site. Refer to data table 6-10 for more information.

NOTE: (c) For dose calculations, unspecified alpha releases are assumed to be Pu-239.

NOTE: (d) For dose calculations, unspecified beta/gamma releases are assumed to be Sr-90.

**Data Table 6-7 Radioactive Liquid Releases by Site Stream**  
**2014 Radioactive Liquid Releases by Site Stream: Units are Curies**

Nuclide	Upper Three Runs A,M,F,H	Fourmile Branch F,H,Tritium	Steel Creek + Pen Branch K,L	Lower Three Runs P,R	Totals
H-3 <sup>a</sup>	6.29E+01	4.26E+02	2.11E+02	8.29E-01	<b>7.01E+02</b>
C-14	5.84E-04	5.81E-03			<b>6.40E-03</b>
Sr-90	2.79E-05	5.36E-02	0.00E+00		<b>5.36E-02</b>
Tc-99	0.00E+00	2.64E-02			<b>2.64E-02</b>
I-129	0.00E+00	2.45E-02			<b>2.45E-02</b>
Cs-137 <sup>b</sup>	0.00E+00	5.09E-02	0.00E+00	0.00E+00	<b>5.09E-02</b>
U-234	4.90E-02	2.32E-02			<b>7.22E-02</b>
U-235	2.46E-03	1.19E-03			<b>3.65E-03</b>
U-238	5.58E-02	2.87E-02			<b>8.45E-02</b>
Np-237	3.96E-08	5.93E-06			<b>5.97E-06</b>
Pu-238	5.24E-06	3.60E-04			<b>3.65E-04</b>
Pu-239	0.00E+00	1.56E-04			<b>1.56E-04</b>
Am-241	2.87E-03	4.95E-04			<b>3.36E-03</b>
Cm-244	0.00E+00	4.83E-04			<b>4.83E-04</b>
Alpha <sup>c</sup>	3.83E-04	3.08E-03	9.24E-05	0.00E+00	<b>3.56E-03</b>
Beta-Gamma <sup>d</sup>	1.03E-03	6.15E-03	2.15E-02	0.00E+00	<b>2.87E-02</b>
Flow Volume (L)	1.47E+11	1.32E+10	3.01E+10	3.29E+10	