Data Table 4–4, 2013 Radioactive Liquid Releases by Source (Curies)

Nuclide	Reactor Areas C,K,L,P,R	Separations Areas F,H,S, Tritium	SRNL Area A	Totals
H-3[a]	3.18E+02	7.63E+02	1.24E-01	**1.08E+03**
C-14		6.13E-03		**6.13E-03**
Sr-90		2.39E-02		**2.39E-02**
Tc-99		1.85E-02		**1.85E-02**
I-129		2.70E-02		**2.70E-02**
Cs-137[b]		1.42E-02		**1.42E-02**
U-234		4.53E-02	4.63E-05	**4.54E-02**
U-235		2.62E-03	4.22E-06	**2.63E-03**
U-238		5.49E-02	2.11E-05	**5.50E-02**
Np-237		5.05E-07		**5.05E-07**
Pu-238		6.25E-04	1.62E-06	**6.27E-04**
Pu-239		4.76E-05	4.32E-07	**4.81E-05**
Am-241		4.27E-03		**4.27E-03**
Cm-244		2.23E-05		**2.23E-05**
Unidentified Alpha[c]		4.76E-03	4.15E-04	**5.18E-03**
Unidentified Beta[d]	2.90E-02	1.16E-02	6.16E-04	**4.12E-02**

a) The tritium release total, which includes direct + migration releases, is used in the dose calclulations for SRS impacts.

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 chapter 6 (Dose) for more information.

c,d) For dose calculations, unidentified alpha and beta releases are assumed to be Pu-239 and Sr-90, respectively.

Note: M-Area was discontinued as an effluent location in 2013.