

Data Table 5-9
Migration of Radioactivity from Seepage Basins and the Solid Waste Disposal Facility

| Location | Source Description | 2009 | 2010 | 2011 | 2012 | 2013 |
|--------------------------------------|--|-------|-------|------|-------|-------|
| Tritium (curies) | | | | | | |
| FMA7-(FM3A+FM2B) | 200-F Seepage Basins to Fourmile Branch | 27 | 34 | 13.0 | 32.6 | 49.1 |
| FM2B-(FM1C+H17+H18+HP52) | 200-H Seepage Basins to Fourmile Branch | 135 | 85 | 68.0 | 63.8 | 111 |
| FM3A-(FM3+F12+F13) | 200-H Seepage Basin 4 and Solid Waste Disposal Facility to Fourmile Branch | 532 | 381 | 457 | 272 | 392 |
| (U3R4)-(Direct) | Solid Waste Disposal Facility to Upper Three Runs | 68 | 69 | 68.3 | 69.9 | 158 |
| (PB3)-(K Canal) | K-Area Retention Basin to Indian Grave Branch ^b | 559 | 489 | 197 | 212 | 202 |
| Cesium-137 (millicuries) | | | | | | |
| FMA7-(FM3A+FM2B) | 200-F Seepage Basins to Fourmile Branch | a | 25.70 | a | a | 2.50 |
| FM2B-(FM1C+H17+H18+HP52) | 200-H Seepage Basins to Fourmile Branch | 68.9 | 11.73 | 19.5 | 46.3 | a |
| FM3A-(FM3+F12+F13) | 200-H Seepage Basin 4 and Solid Waste Disposal Facility to Fourmile Branch | a | a | a | a | a |
| Total Strontium (millicuries) | | | | | | |
| FMA7-(FM3A+FM2B) | 200-F Seepage Basins to Fourmile Branch | a | 3.67 | 3.70 | 2.50 | 2.33 |
| FM2B-(FM1C+H17+H18+HP52) | 200-H Seepage Basins to Fourmile Branch | 35 | 22.18 | 10.4 | 12.95 | 18.50 |
| FM3A-(FM3+F12+F13) | 200-H Seepage Basin 4 and Solid Waste Disposal Facility to Fourmile Branch | 1.28 | a | 1.10 | a | 0.19 |
| Iodine-129 (millicuries) | | | | | | |
| FMA7-(FM3A+FM2B) | 200-F Seepage Basins to Fourmile Branch | 34.6 | 21.93 | 13.1 | 11.7 | 19.92 |
| FM2B-(FM1C+H17+H18+HP52) | 200-H Seepage Basins to Fourmile Branch | 0.88 | 0.73 | 1.59 | 1.54 | 7.07 |
| FM3A-(FM3+F12+F13) | 200-H Seepage Basin 4 and Solid Waste Disposal Facility to Fourmile Branch | 0.02 | a | 0.08 | a | a |
| Technetium-99 (millicuries) | | | | | | |
| FMA7-(FM3A+FM2B) | 200-F Seepage Basins to Fourmile Branch | 11.10 | 11.78 | 8.25 | 4.71 | a |
| FM2B-(FM1C+H17+H18+HP52) | 200-H Seepage Basins to Fourmile Branch | 8.19 | 1.66 | 2.32 | 5.88 | 18.02 |
| FM3A-(FM3+F12+F13) | 200-H Seepage Basin 4 and Solid Waste Disposal Facility to Fourmile Branch | a | a | a | a | a |

a) Not detected.

b) Indian Grave Branch deposits into Pen Branch