

**Table 6.1. Monitored and sampled release point parameters and receptor locations used in the dose calculations**

Source name	Type	Release height (m)	Inner diameter (m)	Gas exit velocity (m/s)	Gas exit temperature (°C)	Distance (m) and direction to maximally exposed individual	
						Plant	ORR
<i>Y-12 Plant</i>							
All	Point	20	0	0	Ambient	1080 NNE	1080 NNE
<i>ORNL</i>							
2026	Point	22.9	1.05	11.0	Ambient	4060 SSW	9300 NE
3020	Point	61.0	1.96	5.5	Ambient	4060 SSW	9300 NE
3039	Point	76.2	5.68	2.7	Ambient	4060 SSW	9300 NE
7025	Point	4.0	0.3	12.9	Ambient	5710 SW	7550 NNE
7512	Point	30.5	0.91	7.7	Ambient	3720 SW	9640 NNE
7911	Point	76.2	3.43	3.0	Ambient	3720 SW	9640 NNE
7830	Point	4.6	0.21	12.9	Ambient	2350 SW	10990 NNE
7877	Point	13.9	0.51	9.3	Ambient	2350 SW	10990 NNE
2000	Point	15.2	0.66	8.3	Ambient	4060 SSW	9300 NE
3018	Point	61.0	4.11	0.2	Ambient	4060 SSW	9300 NE
3074	Point	4.0	0.26	10.2	Ambient	4060 SSW	9300 NE
3544	Point	9.5	0.27	28.3	Ambient	4060 SSW	9300 NE
2523	Point	7.0	0.3	4.8	57.2	4060 SSW	9300 NE
<i>K-25 Site</i>							
K-1435	Point	30.5	1.37	5.6	79.2	5180 WSW	13000 ENE
K-1015	Point	3.7	0	0	Ambient	4340 WSW	14000 ENE
K-31/K-33	Point	25.9	0	0	Ambient	3330 WSW	14800 ENE
K-1037	Point	10.5	1.1	6.3	Ambient	4820 WSW	13250 ENE