

Gaussian Plume Calculations for Military Strikes on Iranian Nuclear Infrastructure

% 371 (MT) of UF6 Released to Atmosphere	Fluorine in Airborne Compounds (g)	Fluorine at >= 25 ppm		Fluorine at >= 25 ppm		Chlorine at >= 10 ppm	
		Travel distance (km)	Area (=L L/2) (sq km)	Travel distance (miles)	Area (=L L/2) (sq miles)	Travel distance (km)	Area (=L L/2) (sq km)
		IDLH Fluorine		IDLH Fluorine		IDLH Chlorine *	
		X(IDLH) = 25 ppm		X(IDLH) = 25 ppm		X(IDLH) = 10 ppm	
1	1.20E+06	4	8	3	5	5	13
5	6.01E+06	8	32	5	13	9	41
10	1.20E+07	11	61	7	25	12	72
20	2.40E+07	15	113	9	41	16	128
25	3.00E+07	16	128	10	50	18	162
50	6.01E+07	21	221	13	85	24	288