CALCULATED Diesel Exhaust PM Risk (Potential Cancer Cases in A Million) for 200 HP Engines

	EF = 0.01 g/bhp-hr											EF = 0.15 g/bhp-hr										
	Downwind Distance (m)											Downwind Distance (m)										
Hours	30	**42**	75	100	200	300	400	500	800	1600	3200	30	**42**	75	100	200	300	400	500	800	1600	3200
10	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	3	3	2	1	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	4	4	3	2	1	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0	0	0	6	6	4	3	1	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0	0	0	7	7	6	3	1	1	0	0	0	0	0
100	1	1	1	0	0	0	0	0	0	0	0	14	14	11	6	2	1	1	1	0	0	0
200	2	2	1	1	0	0	0	0	0	0	0	29	29	22	13	4	2	2	1	1	0	0
300	3	3	2	1	0	0	0	0	0	0	0	43	43	33	19	6	4	3	2	1	1	0
400	4	4	3	2	1	0	0	0	0	0	0	57	57	44	25	8	5	3	3	2	1	0
500	5	5	4	2	1	0	0	0	0	0	0	71	71	56	31	10	6	4	3	2	1	0
1000	10	10	7	4	1	1	1	0	0	0	0	143	143	111	63	20	12	8	6	4	2	1

	EF = 0.40 g/bhp-hr											EF = 0.55 g/bhp-hr										
	Downwind Distance (m)											Downwind Distance (m)										
Hours	30	**42**	75	100	200	300	400	500	800	1600	3200	30	**42**	75	100	200	300	400	500	800	1600	3200
10	4	4	3	2	1	0	0	0	0	0	0	5	5	4	2	1	0	0	0	0	0	0
20	8	8	6	3	1	1	0	0	0	0	0	10	10	8	5	1	1	1	0	0	0	0
30	11	11	9	5	2	1	1	1	0	0	0	16	16	12	7	2	1	1	1	0	0	0
40	15	15	12	7	2	1	1	1	0	0	0	21	21	16	9	3	2	1	1	1	0	0
50	19	19	15	8	3	2	1	1	1	0	0	26	26	20	11	4	2	2	1	1	0	0
100	38	38	30	17	5	3	2	2	1	0	0	52	52	41	23	7	4	3	2	1	1	0
200	76	76	59	33	11	6	4	3	2	1	0	105	105	82	46	15	9	6	5	3	1	1
300	114	114	89	50	16	10	7	5	3	1	1	157	157	122	69	22	13	9	7	4	2	1
400	152	152	119	67	22	13	9	7	4	2	1	209	209	163	92	30	17	12	9	6	3	1
500	190	190	148	84	27	16	11	9	5	2	1	261	261	204	115	37	22	15	12	7	3	2
1000	380	380	296	167	54	32	22	17	10	5	2	523	523	408	230	75	44	31	24	14	7	3

	EF = 1.0 g/bhp-hr										
	Downwind Distance (m)										
Hours	30	**42**	75	100	200	300	400	500	800	1600	3200
10	10	10	7	4	1	1	1	0	0	0	0
20	19	19	15	8	3	2	1	1	1	0	0
30	29	29	22	13	4	2	2	1	1	0	0
40	38	38	30	17	5	3	2	2	1	0	0
50	48	48	37	21	7	4	3	2	1	1	0
100	95	95	74	42	14	8	6	4	3	1	1
200	190	190	148	84	27	16	11	9	5	2	1
300	285	285	222	125	41	24	17	13	8	4	2
400	380	380	296	167	54	32	22	17	10	5	2
500	475	475	371	209	68	40	28	22	13	6	3
1000	950	950	741	418	136	80	56	43	25	12	6

Assume: 100% load.

Calculated Risk using Equations - Urban Option.

The bold number indicates the downwind distance at the maximum risks.