CALCULATED Diesel Exhaust PM Risk (Potential Cancer Cases in A Million) for 550 HP Engines

	EF = 0.01 g/bhp-hr											EF = 0.15 g/bhp-hr										
	Downwind Distance (m)											Downwind Distance (m)										
Hours	30	50	**69**	100	200	300	400	500	800	1600	3200	30	50	**69**	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	2	2	2	1	1	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	3	3	3	2	1	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0	0	0	3	3	3	3	1	1	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0	0	0	4	4	4	3	1	1	0	0	0	0	0
100	1	1	1	0	0	0	0	0	0	0	0	9	9	9	7	3	1	1	1	0	0	0
200	1	1	1	1	0	0	0	0	0	0	0	17	17	17	14	5	3	2	2	1	0	0
300	2	2	2	1	1	0	0	0	0	0	0	26	26	26	20	8	4	3	2	1	1	0
400	2	2	2	2	1	0	0	0	0	0	0	34	34	34	27	10	6	4	3	2	1	0
500	3	3	3	2	1	0	0	0	0	0	0	43	43	43	34	13	7	5	4	2	1	0
1000	6	6	6	5	2	1	1	1	0	0	0	86	86	86	68	25	14	10	8	4	2	1

	EF = 0.40 g/bhp-hr											EF = 0.55 g/bhp-hr										
	Downwind Distance (m)											Downwind Distance (m)										
Hours	30	50	**69**	100	200	300	400	500	800	1600	3200	30	50	**69**	100	200	300	400	500	800	1600	3200
10	2	2	2	2	1	0	0	0	0	0	0	3	3	3	2	1	1	0	0	0	0	0
20	5	5	5	4	1	1	1	0	0	0	0	6	6	6	5	2	1	1	1	0	0	0
30	7	7	7	5	2	1	1	1	0	0	0	9	9	9	7	3	2	1	1	0	0	0
40	9	9	9	7	3	2	1	1	0	0	0	13	13	13	10	4	2	1	1	1	0	0
50	11	11	11	9	3	2	1	1	1	0	0	16	16	16	12	5	3	2	1	1	0	0
100	23	23	23	18	7	4	3	2	1	1	0	32	32	32	25	9	5	4	3	2	1	0
200	46	46	46	36	13	8	5	4	2	1	1	63	63	63	50	19	11	7	6	3	2	1
300	69	69	69	54	20	12	8	6	3	2	1	95	95	95	75	28	16	11	8	5	2	1
400	92	92	92	72	27	15	11	8	5	2	1	126	126	126	99	37	21	15	11	6	3	1
500	115	115	115	90	34	19	13	10	6	3	1	158	158	158	124	46	26	18	14	8	4	2
1000	229	229	229	181	67	38	26	20	12	5	3	315	315	315	249	93	53	36	28	16	8	4

	EF = 1.00 g/bhp-hr										
	Downwind Distance (m)										
Hours	30	50	**69**	100	200	300	400	500	800	1600	3200
10	6	6	6	5	2	1	1	1	0	0	0
20	11	11	11	9	3	2	1	1	1	0	0
30	17	17	17	14	5	3	2	2	1	0	0
40	23	23	23	18	7	4	3	2	1	1	0
50	29	29	29	23	8	5	3	3	1	1	0
100	57	57	57	45	17	10	7	5	3	1	1
200	115	115	115	90	34	19	13	10	6	3	1
300	172	172	172	136	51	29	20	15	9	4	2
400	229	229	229	181	67	38	26	20	12	5	3
500	287	287	287	226	84	48	33	25	15	7	3
1000	573	573	573	452	169	96	66	50	29	14	7

Assume: 100% load.

Calculated Risk using Equations - Urban Option.

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