CALCULATED Diesel Exhaust PM Risk (Potential Cancer Cases in A Million) for 175 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	2	1	1	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	4	4	4	3	1	1	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0	0	0	5	5	5	3	2	1	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0	0	0	7	7	6	4	2	1	1	0	0	0	0
100	1	1	1	1	0	0	0	0	0	0	0	13	13	12	9	5	3	1	0	0	0	0
200	2	2	2	1	1	0	0	0	0	0	0	26	26	24	17	10	5	2	1	0	0	0
300	3	3	2	2	1	1	0	0	0	0	0	39	39	36	26	15	8	3	1	1	0	0
400	4	4	3	2	1	1	0	0	0	0	0	53	53	47	35	19	11	4	2	1	1	0
500	4	4	4	3	2	1	0	0	0	0	0	66	66	59	44	24	13	5	2	1	1	0
1000	9	9	8	6	3	2	1	0	0	0	0	132	132	119	87	49	27	10	4	2	1	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	1	0	0	0	0	0	5	5	4	3	2	1	0	0	0	0	0
20	7	7	6	5	3	1	1	0	0	0	0	10	10	9	6	4	2	1	0	0	0	0
30	11	11	9	7	4	2	1	0	0	0	0	14	14	13	10	5	3	1	0	0	0	0
40	14	14	13	9	5	3	1	0	0	0	0	19	19	17	13	7	4	1	1	0	0	0
50	18	18	16	12	6	4	1	1	0	0	0	24	24	22	16	9	5	2	1	0	0	0
100	35	35	32	23	13	7	3	1	1	0	0	48	48	44	32	18	10	4	2	1	0	0
200	70	70	63	47	26	14	5	2	1	1	1	96	96	87	64	36	20	7	3	1	1	1
300	105	105	95	70	39	22	8	3	2	1	1	145	145	131	96	54	30	11	5	2	1	1
400	140	140	127	93	52	29	11	5	2	1	1	193	193	174	128	71	39	15	6	3	2	1
500	175	175	158	117	65	36	13	6	3	2	1	241	241	218	160	89	49	18	8	4	2	2
1000	351	351	317	233	130	72	27	12	5	4	3	482	482	435	321	179	99	37	16	7	5	4

	EF = 1.0 g/bhp-hr										
	Downwind Distance (m)										
Hours	30	**42**	75	100	200	300	400	500	800	1600	3200
10	9	9	8	6	3	2	1	0	0	0	0
20	18	18	16	12	6	4	1	1	0	0	0
30	26	26	24	17	10	5	2	1	0	0	0
40	35	35	32	23	13	7	3	1	1	0	0
50	44	44	40	29	16	9	3	1	1	0	0
100	88	88	79	58	32	18	7	3	1	1	1
200	175	175	158	117	65	36	13	6	3	2	1
300	263	263	237	175	97	54	20	9	4	3	2
400	351	351	317	233	130	72	27	12	5	4	3
500	439	439	396	291	162	90	34	15	7	4	3
1000	877	877	791	583	325	179	67	29	14	9	7

Assume: 100% load.

Calculated Risk using Equations - Urban Option.

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