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

	EF = 0.02 g/bhp-hr															EF = 0.15 g/bhp-hr														
	Downwind Distance (m)															Downwind Distance (m)														
Hours	20	30	40	50	60	70	80	90	100	200	300	400	800	1200	1600	20	30	40	50	60	70	80	90	100	200	300	400	800	1200	1600
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	1	1	1	0	0	0	0	0	0
20	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	4	4	4	4	4	3	3	3	2	1	0	0	0	0	0
30	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	6	6	6	6	6	5	4	4	3	1	0	0	0	0	0
40	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	8	8	8	8	8	7	6	5	5	1	1	0	0	0	0
50	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	10	10	10	10	10	9	7	6	6	2	1	0	0	0	0
100	3	3	3	3	3	2	2	2	2	0	0	0	0	0	0	20	20	20	20	19	17	15	13	11	4	2	1	0	0	0
150	4	4	4	4	4	3	3	3	2	1	0	0	0	0	0	30	30	30	30	29	26	22	19	17	5	2	1	0	0	0
200	5	5	5	5	5	5	4	3	3	1	0	0	0	0	0	40	40	40	40	38	34	30	26	23	7	3	2	0	0	0
300	8	8	8	8	8	7	6	5	5	1	1	0	0	0	0	60	60	60	60	57	51	45	39	34	11	5	3	1	0	0
400	11	11	11	11	10	9	8	7	6	2	1	0	0	0	0	80	80	80	80	76	68	60	52	45	14	7	4	1	0	0
500	13	13	13	13	13	11	10	9	8	2	1	1	0	0	0	100	100	100	100	95	85	75	65	57	18	8	5	1	1	0
1000	27	27	27	27	25	23	20	17	15	5	2	1	0	0	0	201	201	201	201	190	170	149	130	113	36	17	9	2	1	1

	EF = 0.40 g/bhp-hr															EF = 0.55 g/bhp-hr														
	Downwind Distance (m)															Downwind Distance (m)														
Hours	20	30	40	50	60	70	80	90	100	200	300	400	800	1200	1600	20	30	40	50	60	70	80	90	100	200	300	400	800	1200	1600
10	5	5	5	5	5	5	4	3	3	1	0	0	0	0	0	7	7	7	7	7	6	5	5	4	1	1	0	0	0	0
20	11	11	11	11	10	9	8	7	6	2	1	0	0	0	0	15	15	15	15	14	12	11	10	8	3	1	1	0	0	0
30	16	16	16	16	15	14	12	10	9	3	1	1	0	0	0	22	22	22	22	21	19	16	14	12	4	2	1	0	0	0
40	21	21	21	21	20	18	16	14	12	4	2	1	0	0	0	29	29	29	29	28	25	22	19	17	5	2	1	0	0	0
50	27	27	27	27	25	23	20	17	15	5	2	1	0	0	0	37	37	37	37	35	31	27	24	21	7	3	2	0	0	0
100	54	54	54	54	51	45	40	35	30	10	4	2	1	0	0	74	74	74	74	70	62	55	48	41	13	6	3	1	0	0
150	80	80	80	80	76	68	60	52	45	14	7	4	1	0	0	111	111	111	111	105	94	82	71	62	20	9	5	1	1	0
200	107	107	107	107	101	91	80	69	60	19	9	5	1	1	0	147	147	147	147	139	125	109	95	83	26	12	7	2	1	0
300	161	161	161	161	152	136	119	104	90	29	13	7	2	1	1	221	221	221	221	209	187	164	143	124	40	18	10	3	1	1
400	214	214	214	214	203	181	159	139	121	38	18	10	2	1	1	295	295	295	295	279	249	219	191	166	53	24	14	3	2	1
500	268	268	268	268	253	227	199	173	151	48	22	12	3	1	1	368	368	368	368	348	312	273	238	207	66	30	17	4	2	1
1000	536	536	536	536	507	454	398	347	302	96	44	25	6	3	2	737	737	737	737	697	624	547	477	415	132	61	34	8	4	2

	EF = 1.0 g/bhp-hr														
	Downwind Distance (m)														
Hours	20	30	40	50	60	70	80	90	100	200	300	400	800	1200	1600
10	13	13	13	13	13	11	10	9	8	2	1	1	0	0	0
20	27	27	27	27	25	23	20	17	15	5	2	1	0	0	0
30	40	40	40	40	38	34	30	26	23	7	3	2	0	0	0
40	54	54	54	54	51	45	40	35	30	10	4	2	1	0	0
50	67	67	67	67	63	57	50	43	38	12	6	3	1	0	0
100	134	134	134	134	127	113	99	87	75	24	11	6	2	1	0
150	201	201	201	201	190	170	149	130	113	36	17	9	2	1	1
200	268	268	268	268	253	227	199	173	151	48	22	12	3	1	1
300	402	402	402	402	380	340	298	260	226	72	33	19	5	2	1
400	536	536	536	536	507	454	398	347	302	96	44	25	6	3	2
500	670	670	670	670	633	567	497	433	377	120	55	31	8	4	2
1000	1339	1339	1339	1339	1267	1134	994	867	754	240	110	62	15	7	5

Assume: 75% load.

Model Used: ISCST3; Meteorological Data: West Los Angeles (1981), Urban Option.