APPENDIX K:
Air Quality
(E) Designations

APPENDIX K: AIR QUALITY (E) DESIGNATIONS

Projects and Potential Development Sites That Would Require Stack Set-Back Distances Beyond the Building Code Minimum

Site No.	Total Floor Area (sq. feet)	Stack Height (feet)	Source and Receptor Sites	Stack Distances from Nearest Taller Building (feet)	24-hr SO_2 Emission Rates (gm/sec)	Total Estimated 24-hr SO_2 Conc. ($\mu g/m^3$)	24-hr SO_2 NAAQS ($\mu g/m^3$)
Site 2	320,000	260	2 on 1	45	0.101	321	365
			2 on 35	37		339	
Site 4	218,172	125	4 on 32	35	0.069	356	
			4 on 33	30	0.069	357	
Site 5	116,510	120	5 on 37	27	0.037	350	
Site 6	275,868	120	6 on 40	35	0.087	328	
Site 7	141,765	120	7 on 41	25	0.045	331	
Site 11	47,808	70	11 on 44	18	0.015	300	
Site 12	98,834	72	12 on 45	25	0.031	344	
Site 13	72,382	120	13 on 42	20	0.023	361	
			13 on 43	20		346	
Site 14	65,160	120	14 on 48	20	0.021	359	
			14 on 49	15		358	
Site 15	128,582	120	15 on 50	28	0.040	350	
			15 on 51	25		322	
Site 16	191,400	120	16 on 51	30	0.060	318	
			16 on 52	35		340	
Site 19	62,500	125	19 on 20	20	0.020	301	
Site 20	54,870	125	20 on 19	15	0.017	274	
Site 26	74,483	60	26 on 66	20	0.023	327	
Site 28	54,870	125	28 on 17	20	0.019	278	
Site 29	104,000	65	29 on 73	25	0.033	341	
Site 31	101,890	80	31 on 76	20	0.032	327	
Site 34	153,376	125	34 on 3	28	0.048	325	
Site 35	260,024	260	35 on 32	34	0.079	360	
Site 37	393,070	120	37 on 5	40	0.124	353	
Site 38	268,272	120	38 on 39	35	0.084	325	
Site 39	47,045	120	39 on 38	20	0.015	300	
Site 40	88,877	120	40 on 6	25	0.028	333	
Site 41	83,520	120	41 on 7	25	0.026	337	

Projects and Potential Development Sites That Would Require Stack Set-Back Distances Beyond the Building Code Minimum, Con't

Site No.	Total Floor Area (sq. feet)	Stack Height (feet)	Source and Receptor Sites	Stack Distances from Nearest Taller Building (feet)	24-hr SO_2 Emission Rates (gm/sec)	Total Estimated 24-hr SO_2 Conc. ($\mu g/m^3$)	24-hr SO_2 NAAQS ($\mu g/m^3$)
Site 42	558,288	120	42 on 13	50	0.176	356	365
			42 on 43	50		356	
Site 43	53,086	120	43 on 13	15	0.017	315	
Site 44	54,004	70	44 on 11	18	0.017	337	
			44 on 12	15		334	
Site 46	422,438	120	46 on 47	45	0.133	333	
Site 47	75,262	120	47 on 46	22	0.024	331	
Site 48	223,920	120	48 on 14	30	0.070	315	
Site 49	42,062	120	49 on 14	15	0.013	336	
Site 50	44,402	120	50 on 15	15	0.014	312	
			50 on 49	50		350	
Site 52	85,800	120	52 on 16	25	0.027	323	
Site 66	56,690	60	66 on 26	15	0.018	300	
Site 71	171,644	80	71 on 30	28	0.054	328	
			71 on 72	32		350	
Site 72	49,574	80	72 on 30	15	0.016	328	
			72 on 71	15		328	
Site 73	53,000	65	73 on 29	13	0.017	348	
Site 75	210,524	80	75 on 31	30	0.066	360	
			75 on 76	30		357	
Site 76	96,959	80	76 on 31	28	0.031	326	
			76 on 75	28		330	
Site 78	49,321	80	78 on 19	15	0.016	333	
			78 on 20	15		335	
Site 79	56,190	60	79 on 53	14	0.018	360	

Notes:

- *Total estimated 24-hr SO_2 concentrations include a background value of 134 $\mu g/m^3$*
- *24-hr SO_2 NAAQS = 365 $\mu g/m^3$*

APPENDIX K, CON'T: Minimum Stack Set-Back Requirements for Select Projected or Potential Development Sites

Site Number	Block Number	Lot Number(s)	Set-Back Requirement
Projected Development Sites			
2	2349	100	45 feet from Development Site 1; 37 feet from Development Site 35
4	2349	15	35 feet from Development Site 32; 30 feet from Development Site 33
5	2351	22	27 feet from Development Site 37
6	2351	1, 12, 20	35 feet from Development Site 40
7	2350	11, 16	25 feet from Development Site 41
11	2344	75	18 feet from Development Site 44
12	2344	60	25 feet from Development Site 45
13	2345	5	20 feet from Development Site 42; 20 feet from Development Site 43
14	2341	37, 40	20 feet from Development Site 48; 15 feet from Development Site 49
15	2341	28	28 feet from Development Site 50; 25 feet from Development Site 51
16	2341	10	30 feet from Development Site 51; 35 feet from Development Site 52
19	2333	6, 10	20 feet from Development Site 20
20	2333	1	15 feet from Development Site 19
26	2335	58	20 feet from Development Site 66
28	2340	204	20 feet from Development Site 17
29	2340	186	25 feet from Development Site 73
31	2333	31	20 feet from Development Site 76
Potential Development Sites			
34	2323	43	28 feet from Development Site 3
35	2349	46, 47	34 feet from Development Site 32
37	2351	25, 35	40 feet from Development Site 5
38	2350	34	35 feet from Development Site 39
39	2350	63	20 feet from Development Site 38
40	2351	3	25 feet from Development Site 6
41	2350	5	25 feet from Development Site 7
42	2345	10, 12, 14, 18, 22, 26	50 feet from Development Site 13; 50 feet from Development Site 43
43	2345	1, 49	15 feet from Development Site 13
44	2344	83	18 feet from Development Site 11; 15 feet from Development Site 12
46	2344	11, 17, 27	45 feet from Development Site 47
47	2344	1	22 feet from Development Site 46
48	2341	42	30 feet from Development Site 14
49	2341	34	15 feet from Development Site 14
50	2341	31	15 feet from Development Site 15; 50 feet from Development Site 49
52	2341	6	25 feet from Development Site 16
66	2335	6	15 feet from Development Site 26
71	2334	43, 45, 59	28 feet from Development Site 30; 32 feet from Development Site 72
72	2334	38, 39, 40, 41, 66	15 feet from Development Site 30; 15 feet from Development Site 71

Minimum Stack Set-Back Requirements for Select Projected or Potential Development Sites (continued)

Site Number	Block Number	Lot Number(s)	Set-Back Requirement
73	2340	195	13 feet from Development Site 29
75	2333	50, 54	30 feet from Development Site 31; 30 feet from Development Site 76
76	2333	33	28 feet from Development Site 31; 28 feet from Development Site 75
78	2333	17	15 feet from Development Site 19; 15 feet from Development Site 20
79	2340	11	14 feet from Development Site 53