

US EPA ARCHIVE DOCUMENT

PVEC Predicted 1-hr NO₂ Impact Concentrations at the Controlling Receptor
Combustion Turbine (ULSD), Aux. Boiler, Fire Pump

Controlling Receptor UTM Coordinates:	686518.1	4669908
1-hr NO ₂ NAAQS (8H8 Avg):	188	µg/m3
Background Level:	92	µg/m3
NAAQS Compliance Level:	96	µg/m3
75% of NAAQS:	72	µg/m3
50% of NAAQS Compliance Level:	48	µg/m3
25% of NAAQS Compliance Level:	24	µg/m3

Hour (Rank)	2006	2007	2008	2009	2010	Avg
1	115.89	122.30	120.84	114.77	116.79	118.12
2	112.95	113.96	113.17	105.06	111.81	111.39
3	108.94	113.96	110.18	99.56	109.18	108.36
4	108.90	113.19	106.38	90.64	96.64	103.15
5	106.45	110.97	103.83	74.41	94.31	97.99
6	105.59	110.65	103.52	72.93	94.22	97.38
7	105.05	109.13	102.71	71.60	92.17	96.13
8	104.91	108.05	101.16	68.82	88.59	94.31
9	104.53	107.17	99.25	66.96	87.87	93.16
10	104.00	100.28	96.49	66.70	86.69	90.83
11	103.64	99.62	96.45	66.10	85.48	90.26
12	103.50	98.93	94.77	60.79	85.28	88.65
13	103.44	98.20	92.88	56.37	85.23	87.22
14	102.76	97.69	92.47	56.02	79.71	85.73
15	101.70	96.53	89.39	53.69	79.07	84.08
16	100.30	95.87	88.39	52.20	78.99	83.15
17	98.21	92.98	88.24	50.88	78.51	81.77
18	97.19	89.33	86.29	50.04	77.11	79.99
19	96.67	88.85	85.25	48.19	76.74	79.14
20	94.37	88.77	84.77	47.53	72.65	77.62
21	94.05	87.31	84.62	47.03	72.58	77.12
22	93.29	85.94	84.52	46.43	70.85	76.21
23	91.61	85.91	82.93	45.27	70.81	75.31
24	91.60	85.35	81.92	44.47	68.54	74.38
25	90.51	85.12	81.80	44.21	67.73	73.87
26	90.16	81.57	81.28	43.81	66.61	72.69
27	89.99	80.30	81.13	43.48	66.19	72.22
28	89.40	79.39	79.73	43.00	66.13	71.53
29	88.24	78.47	77.38	42.16	65.97	70.45
30	87.09	77.71	76.93	41.54	65.02	69.65
31	82.32	77.47	75.55	41.19	64.96	68.30
32	81.96	77.17	75.41	41.17	64.06	67.95
33	81.31	76.89	75.36	41.15	63.93	67.73
34	80.58	76.23	75.19	41.02	62.69	67.14
35	80.56	76.05	73.45	39.70	62.50	66.45
36	78.97	74.41	72.35	39.61	61.56	65.38
37	78.48	73.28	71.69	39.41	61.07	64.79
38	78.31	72.04	68.71	39.29	61.04	63.88
39	77.88	69.64	66.95	39.13	60.60	62.84
40	76.40	68.53	65.95	38.58	60.52	62.00
41	76.27	67.89	63.74	38.47	58.22	60.92
42	75.88	67.10	62.48	36.62	58.15	60.05
43	75.62	66.92	61.32	35.87	56.32	59.21
44	75.18	65.34	61.12	35.12	56.19	58.59
45	74.81	64.80	60.56	34.80	56.03	58.20
46	74.52	63.48	59.62	34.33	55.91	57.57
47	73.86	62.92	59.28	34.29	55.74	57.22
48	71.72	62.82	59.12	34.25	55.53	56.69
49	71.12	62.62	58.21	33.89	54.33	56.03
50	71.02	62.33	58.06	33.56	54.26	55.85
51	70.51	61.29	57.65	32.31	53.90	55.13
52	70.45	59.75	57.65	31.16	53.18	54.44
53	70.01	58.73	57.56	30.45	52.86	53.92
54	69.77	58.05	56.69	30.21	52.01	53.35
55	68.85	57.70	56.23	30.21	51.51	52.90
56	68.52	56.70	55.89	28.35	51.48	52.19
57	68.36	54.81	54.92	28.27	50.85	51.44
58	68.07	54.35	54.32	28.08	50.66	51.10
59	67.79	54.21	51.72	27.75	50.63	50.42
60	66.58	54.16	51.42	27.46	50.06	49.94