

AIBP Early Action Perimeter Air Monitoring with DTSC's Calculations (May 13 through June 20, 2024)

Date/Time	North Station PM10	East Station PM10	West Station PM10	South Station PM10	Downwind	Upwind	Delta (Downwind - Upwind) DTSC Calculated	Delta (N,S) DTSC Calculated	Delta Rolling Average (N,S) Boeing Calculated	Delta Rolling 2-hour Average (Downwind - Upwind) DTSC Calculated	Wind Speed Hourly Avg (m/s)	Wind Speed Hourly Avg (mph)	Wind Direction (Cardinal)	Upwind Stations
5/13/24 6:00	37.35	37.42	IM	30.23	30.23	37.385	-7.16	-7.12	-7.12	-	1.85	4.14	E	North/East
5/13/24 7:00	51.88	48.54	IM	52.72	52.72	50.21	2.51	0.84	0.81	-2.3225	1.99	4.45	E	North/East
5/13/24 8:00	51.13	46.14	IM	49.6	49.6	48.635	0.96	-1.53	-1.31	1.7375	2.3	5.14	E	North/East
5/13/24 9:00	44.88	40.42	IM	42.16	42.16	42.65	-0.49	-2.72	-1.25	0.2375	2.08	4.65	E	North/East
5/13/24 10:00	35.83	31.71	IM	32.35	32.35	33.77	-1.42	-3.48	-2.08	-0.955	2.16	4.83	ESE	North/East
5/13/24 11:00	31.33	27.46	IM	27.5	27.5	29.395	-1.90	-3.83	-3.04	-1.6575	2.2	4.92	E	North/East
5/13/24 12:00	28.24	24.73	IM	24.53	24.53	26.485	-1.96	-3.71	-2.87	-1.925	1.99	4.45	E	North/East
5/13/24 13:00	21.97	18.57	IM	18.32	18.32	20.27	-1.95	-3.65	-2.56	-1.9525	2.36	5.28	E	North/East
5/13/24 14:00	19.54	16.23	IM	16.72	16.72	17.885	-1.17	-2.82	-2.67	-1.5575	1.93	4.32	E	North/East
5/14/24 6:00	38.31	35.31	IM	38.37	38.37	36.81	1.56	0.06	0.05	-	1.63	3.65	E	North/East
5/14/24 7:00	37.35	34.19	IM	36.43	36.43	35.77	0.66	-0.92	-0.7	1.11	1.68	3.76	E	North/East
5/14/24 8:00	37.17	34.72	IM	35.21	35.21	35.945	-0.73	-1.96	-1.44	-0.0375	1.72	3.85	E	North/East
5/14/24 9:00	32.01	29.48	IM	29.05	32.01	29.05	2.96	2.96	0.89	1.1125	1.64	3.67	SSE	West/South
5/14/24 10:00	22.7	20.35	IM	20.59	22.7	20.59	2.11	2.11	0.29	2.535	1.79	4.00	SE	West/South
5/14/24 11:00	17.92	15.85	IM	14.63	17.92	14.63	3.29	3.29	2.12	2.7	2.05	4.59	SSE	West/South
5/14/24 12:00	14.76	13	IM	12.28	14.76	12.28	2.48	2.48	-0.02	2.885	1.82	4.07	SSE	West/South
5/14/24 13:00	15.92	14.05	IM	13.63	15.92	13.63	2.29	2.29	1.22	2.385	2.66	5.95	WNW	West/South
5/14/24 14:00	13.73	12.42	IM	12.27	13.73	12.27	1.46	1.46	0.74	1.875	2.65	5.93	WNW	West/South
5/15/24 6:00	25.98	24.06	IM	24.96	24.96	25.02	-0.06	-1.02	0.13	-	0.95	2.13	ESE	North/East
5/15/24 7:00	26.6	24.86	IM	25.52	25.52	25.73	-0.21	-1.08	-0.51	-0.135	1.25	2.80	ESE	North/East
5/15/24 8:00	26.78	24.66	IM	25.24	25.24	25.72	-0.48	-1.54	-0.88	-0.345	1.18	2.64	E	North/East
5/15/24 9:00	21.93	20.74	IM	20.21	21.93	20.21	1.72	1.72	1.07	0.62	1.52	3.40	SE	West/South
5/15/24 10:00	22.59	20.66	IM	20.23	22.59	20.23	2.36	2.36	0.54	2.04	1.4	3.13	SSE	West/South
5/15/24 11:00	16.07	14.82	IM	13.23	16.07	13.23	2.84	2.84	2.07	2.6	1.61	3.60	SSE	West/South
5/15/24 12:00	13.14	11.45	IM	10.32	13.14	10.32	2.82	2.82	1.08	2.83	1.87	4.18	SE	West/South
5/15/24 13:00	12.08	10.36	IM	9.26	12.08	11.22	-1.96	-2.82	-0.79	0.43	1.72	3.85	ESE	North/East
5/15/24 14:00	10.91	8.68	IM	8.27	10.91	9.795	-1.53	-2.64	-1.47	-1.7425	1.86	4.16	E	North/East
5/16/24 6:00	18.2	17.47	IM	16.59	16.59	17.835	-1.25	-1.61	-0.3	-	0.75	1.68	ESE	North/East
5/16/24 7:00	18	17.83	IM	16.69	18	16.69	1.31	1.31	1.2	0.0325	1.12	2.51	S	West/South
5/16/24 8:00	17.95	17.08	IM	17.16	17.95	17.16	0.79	0.79	0.15	1.05	1.24	2.77	WNW	West/South
5/16/24 9:00	17.2	15.89	IM	15.99	17.2	15.99	1.21	1.21	1.2	1	1.52	3.40	WSW	West/South
5/16/24 10:00	15.75	14.54	IM	14.89	15.75	14.89	0.86	0.86	0.46	1.035	1.64	3.67	W	West/South
5/16/24 11:00	14.25	13.04	IM	12.9	14.25	12.9	1.35	1.35	0.86	1.105	1.39	3.11	WSW	West/South
5/16/24 12:00	13.97	12.18	IM	11.69	13.97	11.69	-1.39	-2.28	-0.91	-0.0175	1.66	3.71	E	North/East
5/16/24 13:00	11.99	10.56	IM	10.25	11.99	11.275	-1.03	-1.74	-0.53	-1.205	2.05	4.59	NNW	North/East
5/16/24 14:00	10.96	8.87	IM	8.83	10.96	8.83	2.13	2.13	1.63	0.5525	3.21	7.18	W	West/South
5/17/24 6:00	11.36	10.57	IM	10.83	11.36	10.965	-0.14	-0.53	-0.04	-	1.5	3.36	ESE	North/East
5/17/24 7:00	7.01	7.02	IM	6.57	7.01	6.57	0.45	0.44	0.35	0.1575	1.13	2.53	SSE	West/South

AIBP Early Action Perimeter Air Monitoring with DTSC's Calculations

(May 13 through June 20, 2024)

Date/Time	North Station PM10	East Station PM10	West Station PM10	South Station PM10	Downwind	Upwind	Delta (Downwind - Upwind) DTSC Calculated	Delta (N,S) DTSC Calculated	Delta Rolling Average (N,S) Boeing Calculated	Delta Rolling 2-hour Average (Downwind - Upwind) DTSC Calculated	Wind Speed Hourly Avg (m/s)	Wind Speed Hourly Avg (mph)	Wind Direction (Cardinal)	Upwind Stations
5/17/24 8:00	8.77	9.1	IM	8.16	9.1	8.16	0.94	0.61	0.14	0.695	1.19	2.66	SE	West/South
5/17/24 9:00	8.87	8.97	IM	8.31	8.97	8.31	0.66	0.56	0.26	0.8	1.25	2.80	SE	West/South
5/17/24 10:00	8.92	8.51	IM	7.88	8.92	7.88	1.04	1.04	0.45	0.85	1.31	2.93	SSE	West/South
5/20/24 6:00	10.49	11.42	10.1	10.39	10.39	10.955	-0.57	-0.1	0.05	-	1.85	4.14	ESE	North/East
5/20/24 7:00	9.57	9.98	6.9	9.05	9.98	7.975	2.01	0.52	0.09	0.72	1.75	3.91	SE	West/South
5/20/24 8:00	8.53	9.06	5.8	7.91	9.06	6.855	2.21	0.62	0.27	2.105	1.59	3.56	SE	West/South
5/20/24 9:00	6.86	7.22	5.7	6.22	6.22	7.04	-0.82	-0.64	-0.38	0.6925	1.63	3.65	ESE	North/East
5/20/24 10:00	6.29	6.2	5.7	5.67	6.29	5.685	0.61	0.62	-0.38	-0.1075	1.53	3.42	S	West/South
5/20/24 11:00	6.23	6.19	5.3	5.3	6.23	5.3	0.93	0.93	0.11	0.7675	1.51	3.38	WSW	West/South
5/20/24 12:00	5.91	5.68	4.6	4.78	5.91	4.69	1.22	1.13	0.83	1.075	1.84	4.12	SSW	West/South
5/20/24 13:00	8.12	6	5.1	5.54	8.12	5.32	2.80	2.58	2.3	2.01	2.24	5.01	W	West/South
5/20/24 14:00	6.36	5.72	4.4	5.14	6.36	4.77	1.59	1.22	1.09	2.195	2.44	5.46	W	West/South
5/21/24 6:00	9.84	11.92	10.5	9.74	10.5	10.88	-0.38	-0.1	-0.24	-	0.55	1.23	ENE	North/East
5/21/24 7:00	9.19	9.41	8.9	8.77	9.41	8.835	0.57	0.42	0.43	0.0975	1.36	3.04	SSW	West/South
5/21/24 8:00	9.02	8.77	7.8	8.46	8.46	8.895	-0.43	-0.56	-0.18	0.07	1.58	3.53	NNE	North/East
5/21/24 9:00	9.46	8.36	7.6	8.21	8.21	8.91	-0.70	-1.25	-0.65	-0.5675	1.87	4.18	NNW	North/East
5/21/24 10:00	9.47	8.37	7.3	7.38	7.38	8.92	-1.54	-2.09	-0.93	-1.12	1.56	3.49	E	North/East
5/21/24 11:00	9.82	8.53	7.5	7.35	9.82	7.425	2.40	2.47	0.75	0.4275	1.68	3.76	SW	West/South
5/21/24 12:00	10.96	9.51	8.7	9.68	10.96	9.19	1.77	1.28	1.06	2.0825	2.46	5.50	W	West/South
5/21/24 13:00	11.52	9.59	8.8	10.34	11.52	9.57	1.95	1.18	0.72	1.86	2.62	5.86	W	West/South
5/21/24 14:00	11.07	9.31	8.9	8.83	11.07	8.865	2.21	2.24	1.82	2.0775	2.97	6.64	W	West/South
5/22/24 6:00	5.36	6.59	5.5	4.34	5.5	5.975	-0.48	-1.02	-1.01	-	1.8	4.03	ENE	North/East
5/22/24 7:00	7.28	8.26	10	5.05	10	7.77	2.23	-2.23	-2.15	0.8775	1.92	4.29	E	North/East
5/22/24 8:00	15.87	14.71	15.6	13.62	15.6	15.29	0.31	-2.25	-2.21	1.27	1.65	3.69	E	North/East
5/22/24 9:00	18.95	18.41	18.9	18.33	18.9	18.68	0.22	-0.62	-0.32	0.265	1.5	3.36	E	North/East
5/22/24 10:00	16.82	16.18	15.6	15.36	16.82	15.48	1.34	1.46	0.07	0.78	1.62	3.62	SE	West/South
5/22/24 11:00	16.96	16.38	15	14.56	16.96	14.78	2.18	2.4	0.37	1.76	1.7	3.80	SE	West/South
5/22/24 12:00	15.43	14.22	12.5	12.8	15.43	12.65	2.78	2.63	1.22	2.48	1.75	3.91	SSE	West/South
5/22/24 13:00	11.52	11.13	9.8	10.03	11.52	9.915	1.61	1.49	0.72	2.1925	2.93	6.55	WNW	West/South
5/22/24 14:00	10.48	10.52	9.4	9.73	10.52	9.565	0.95	0.75	0.49	1.28	3.25	7.27	WNW	West/South
5/23/24 6:00	13.35	12.8	13.6	12.4	13.6	13.075	0.53	-0.95	-0.09	-	1.17	2.62	ESE	North/East
5/23/24 7:00	11.14	10.84	10.7	10.33	11.14	10.515	0.63	0.81	0.63	0.575	1.18	2.64	SSE	West/South
5/23/24 8:00	11.66	10.76	11	10.67	11.66	10.835	0.82	0.99	0.78	0.725	1.4	3.13	SSE	West/South
5/23/24 9:00	12.1	11.83	11.6	11.41	12.1	11.505	0.60	0.69	0.42	0.71	1.64	3.67	SE	West/South
5/23/24 10:00	12.99	11.85	11.4	11.3	11.4	12.42	-1.02	-1.69	-1.53	-0.2125	1.77	3.96	E	North/East
5/23/24 11:00	12.72	11.5	10.7	10.59	10.7	12.11	-1.41	-2.13	-1.33	-1.215	1.86	4.16	E	North/East
5/23/24 12:00	11.52	10.57	10.2	9.66	11.52	9.93	1.59	1.86	0.86	0.09	1.63	3.65	SSE	West/South
5/23/24 13:00	10.48	9.96	9.1	8.88	10.48	8.99	1.49	1.6	1.2	1.54	1.63	3.65	S	West/South

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Date/Time	North Station PM10	East Station PM10	West Station PM10	South Station PM10	Downwind	Upwind	Delta (Downwind - Upwind) DTSC Calculated	Delta (N,S) DTSC Calculated	Delta Rolling Average (N,S) Boeing Calculated	Delta Rolling 2-hour Average (Downwind - Upwind) DTSC Calculated	Wind Speed Hourly Avg (m/s)	Wind Speed Hourly Avg (mph)	Wind Direction (Cardinal)	Upwind Stations
5/23/24 14:00	11.32	9.76	9.1	8.52	11.32	8.81	2.51	2.8	1.03	2	1.7	3.80	SSE	West/South
5/28/24 6:00	8.64	13.45	12.1	7.29	12.1	11.045	1.06	-1.35	-1.27	-	1.8	4.03	E	North/East
5/28/24 7:00	10.18	6.74	12.9	9.71	12.9	8.46	4.44	-0.47	-0.47	2.7475	1.46	3.27	E	North/East
5/28/24 8:00	37.02	30.13	36.7	29.98	36.7	33.575	3.13	-7.04	-6.76	3.7825	1.9	4.25	E	North/East
5/28/24 9:00	37.92	31.13	36.4	34.81	36.4	34.525	1.88	-3.11	-0.28	2.5	1.46	3.27	ESE	North/East
5/28/24 10:00	23.24	17.71	22	20.67	23.24	21.335	1.91	2.57	2.37	1.89	1.54	3.44	S	West/South
5/28/24 11:00	18.9	13.92	16.8	15.73	16.8	16.41	0.39	-3.17	-0.71	1.1475	1.86	4.16	ESE	North/East
5/28/24 12:00	14.61	9.76	13	11.59	13	12.185	0.82	-3.02	-1.66	0.6025	1.61	3.60	E	North/East
5/28/24 13:00	10.33	5.66	8.2	8.12	10.33	8.16	2.17	2.21	0.11	1.4925	2.54	5.68	WNW	West/South
5/28/24 14:00	9.62	4.82	7.3	7.79	9.62	7.545	2.08	1.83	0.68	2.1225	2.71	6.06	WNW	West/South
5/29/24 6:00	15.08	7.56	16.4	5.45	16.4	11.32	5.08	-9.63	-9.63	-	1.68	3.76	E	North/East
5/29/24 7:00	33.75	24.83	30.4	22.76	30.4	29.29	1.11	-10.99	-8.14	3.095	1.34	3.00	E	North/East
5/29/24 8:00	50.64	42.03	50.1	48.39	50.1	46.335	3.77	-2.25	-1.42	2.4375	0.96	2.15	ENE	North/East
5/29/24 9:00	51.37	42.21	49.6	47.6	51.37	48.6	2.77	3.77	3.32	3.2675	1.39	3.11	SW	West/South
5/29/24 10:00	43.64	35.74	41.1	39.29	43.64	40.195	3.45	4.35	2.05	3.1075	1.66	3.71	SSE	West/South
5/29/24 11:00	30.38	24.21	28	27.49	30.38	27.745	2.64	2.89	2.05	3.04	1.8	4.03	W	West/South
5/29/24 12:00	19.69	13.99	16.9	18.03	18.03	16.84	1.19	-1.66	-1.11	1.9125	2.44	5.46	NW	North/East
5/29/24 13:00	13.05	8.3	10.7	11.16	13.05	10.93	2.12	1.89	0.66	1.655	2.57	5.75	WNW	West/South
5/29/24 14:00	14.66	9.72	12.6	12.78	12.78	12.19	0.59	-1.88	-0.08	1.355	2.48	5.55	NW	North/East
5/30/24 6:00	15.84	12.18	16.6	16.64	15.84	16.62	-0.78	-0.8	-0.19	-	0.69	1.54	S	West/South
5/30/24 7:00	26.83	23.17	26.9	25.14	26.83	26.02	0.81	1.69	0.61	0.015	1.41	3.15	S	West/South
5/30/24 8:00	22.19	16.56	21.6	20.68	21.6	19.375	2.23	-1.51	-1.36	1.5175	1.93	4.32	E	North/East
5/30/24 9:00	17.27	12.26	16.5	14.91	16.5	14.765	1.74	-2.36	-1.71	1.98	1.82	4.07	E	North/East
5/30/24 10:00	24.74	18.33	22.1	21	22.1	21.535	0.57	-3.74	-2.86	1.15	1.95	4.36	E	North/East
5/30/24 11:00	16.78	11.26	14.5	14.77	14.77	14.02	0.75	-2.01	-0.77	0.6575	1.99	4.45	NW	North/East
5/30/24 12:00	15.49	9.72	13.2	13.81	15.49	13.505	1.99	1.68	0.54	1.3675	2.77	6.20	WNW	West/South
5/30/24 13:00	13.85	8.53	11.5	11.95	13.85	11.725	2.13	1.9	1.11	2.055	3.05	6.82	WNW	West/South
5/30/24 14:00	13.14	7.89	10.7	11.26	13.14	10.98	2.16	1.88	1.42	2.1425	3.15	7.05	WNW	West/South
5/31/24 6:00	4.84	1.64	4.8	3.32	4.8	3.24	1.56	-1.52	-1.52	-	1.75	3.91	E	North/East
5/31/24 7:00	16.27	8.78	15.5	9.05	15.5	12.525	2.98	-7.22	-7.22	2.2675	1.73	3.87	E	North/East
5/31/24 8:00	39.2	32.11	36.6	34.84	36.6	35.655	0.95	-4.36	-2.44	1.96	1.3	2.91	ESE	North/East
5/31/24 9:00	34.33	27.54	32.2	30.73	34.33	31.465	2.86	3.6	2.19	1.905	1.46	3.27	SSE	West/South
6/3/24 6:00	23.24	17.67	24.5	23.01	24.5	20.455	4.05	-0.23	-0.16	-	1.21	2.71	E	North/East
6/3/24 7:00	18.81	14.41	18.6	17.94	18.81	18.27	0.54	0.87	0.76	2.2925	0.96	2.15	S	West/South
6/3/24 8:00	18.44	13.86	17.3	17.05	18.44	17.175	1.27	1.39	0.81	0.9025	0.96	2.15	SSE	West/South
6/3/24 9:00	14.82	10.57	13.8	13.88	14.82	13.84	0.98	0.94	0.71	1.1225	1.39	3.11	SSW	West/South
6/3/24 10:00	11.76	7.39	10.6	10.66	11.76	10.63	1.13	1.1	-0.11	1.055	1.68	3.76	WNW	West/South
6/3/24 11:00	10.48	6.15	9	9.06	10.48	9.03	1.45	1.42	0.63	1.29	2.28	5.10	W	West/South

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6/3/24 12:00	10.24	5.92	8.3	8.72	10.24	8.51	1.73	1.52	0.84	1.59	2.68	5.99	WNW	West/South
6/3/24 13:00	9.95	5.6	8	8.11	9.95	8.055	1.90	1.84	0.87	1.8125	2.38	5.32	WNW	West/South
6/3/24 14:00	10.1	5.55	7.6	8.1	8.1	7.825	0.28	-2	-0.31	1.085	2.55	5.70	NW	North/East
6/4/24 6:00	31.76	22.55	29.3	22.2	29.3	27.155	2.15	-9.56	-9.56	-	1.36	3.04	E	North/East
6/4/24 7:00	45.35	38.5	43.1	42.27	43.1	41.925	1.18	-3.08	-2.21	1.66	1.35	3.02	ESE	North/East
6/4/24 8:00	41.3	34.06	38.6	37.35	38.6	37.68	0.92	-3.95	-3.76	1.0475	1.55	3.47	E	North/East
6/4/24 9:00	41.44	32.52	37.4	35.5	37.4	36.98	0.42	-5.94	-3.53	0.67	1.71	3.83	E	North/East
6/4/24 10:00	36.66	29.3	33.8	31.53	33.8	32.98	0.82	-5.13	-0.57	0.62	1.58	3.53	ESE	North/East
6/4/24 11:00	32.13	25.11	29.5	27.5	29.5	28.62	0.88	-4.63	-3.88	0.85	2.12	4.74	E	North/East
6/4/24 12:00	26.68	18.31	22.7	21.61	22.7	22.495	0.21	-5.07	-3.36	0.5425	2.28	5.10	ESE	North/East
6/4/24 13:00	19.08	13.18	15.8	15.42	19.08	15.61	3.47	3.66	-0.1	1.8375	2.02	4.52	WNW	West/South
6/4/24 14:00	17.19	12.77	14.6	14.75	14.75	14.98	-0.23	-2.44	-0.94	1.62	3.27	7.31	NW	North/East
6/5/24 6:00	25.66	21.07	24.4	24.34	25.66	24.37	1.29	1.32	0.44	-	0.84	1.88	SSE	West/South
6/5/24 7:00	25.39	19.47	24.7	23.19	25.39	23.945	1.45	2.2	2.19	1.3675	1.35	3.02	SSW	West/South
6/5/24 8:00	27.91	20.23	25.1	23.53	25.1	24.07	1.03	-4.38	-2.48	1.2375	1.56	3.49	ESE	North/East
6/5/24 9:00	27.47	19.59	24.8	22.89	24.8	23.53	1.27	-4.58	-1.43	1.15	1.58	3.53	ESE	North/East
6/5/24 10:00	28.28	23.5	24.2	24.76	24.76	25.89	-1.13	-3.52	-2.19	0.07	1.71	3.83	E	North/East
6/5/24 11:00	30.86	23.41	26.6	26.61	26.61	27.135	-0.52	-4.25	-2.82	-0.8275	2.03	4.54	E	North/East
6/5/24 12:00	25.63	22.19	21.6	24.02	24.02	23.91	0.11	-1.61	-0.93	-0.2075	1.98	4.43	E	North/East
6/5/24 13:00	15.31	12.27	13.8	14.22	14.22	13.79	0.43	-1.09	0.19	0.27	2.23	4.99	NW	North/East
6/5/24 14:00	11.44	8	10.4	10.18	10.4	9.72	0.68	-1.26	-1	0.555	2.82	6.31	NNW	North/East
6/6/24 6:00	34.68	26.97	35.4	33.18	34.68	34.29	0.39	1.5	-1.38	-	0.74	1.66	SE	West/South
6/6/24 7:00	42.27	34.36	39.3	38.45	39.3	38.315	0.98	-3.82	-3.55	0.6875	1.68	3.76	ESE	North/East
6/6/24 8:00	35.38	27.55	31.6	30.71	31.6	31.465	0.13	-4.67	-3.55	0.56	1.58	3.53	E	North/East
6/6/24 9:00	33.18	24.86	29	27.78	29	29.02	-0.02	-5.4	-4.52	0.0575	1.75	3.91	E	North/East
6/6/24 10:00	26	20.08	21.9	22.29	22.29	23.04	-0.75	-3.71	-2.98	-0.385	1.67	3.74	E	North/East
6/6/24 11:00	19.7	14.97	16.9	16.83	16.9	17.335	-0.44	-2.87	-2.46	-0.5925	1.95	4.36	E	North/East
6/6/24 12:00	16.3	11.07	14.6	14.59	14.6	13.685	0.91	-1.71	-1.65	0.24	2.13	4.76	ENE	North/East
6/6/24 13:00	10.55	7.07	9.5	8.83	9.5	8.81	0.69	-1.72	-1.01	0.8025	2.56	5.73	NW	North/East
6/6/24 14:00	8.93	4.72	7	7.16	7.16	6.825	0.34	-1.77	-0.69	0.5125	2.53	5.66	NW	North/East
6/10/24 6:00	18.14	15.27	18	17.24	18.14	17.62	0.52	0.9	0.05	-	0.92	2.06	S	West/South
6/10/24 7:00	21.54	17.09	20.5	19.81	20.5	19.315	1.19	-1.73	-1.38	0.8525	1.88	4.21	E	North/East
6/10/24 8:00	21.73	16.22	19.8	19.3	19.8	18.975	0.82	-2.43	-1.62	1.005	1.66	3.71	ESE	North/East
6/10/24 9:00	22.95	16.82	21.2	20.03	21.2	19.885	1.32	-2.92	-2.71	1.07	2.02	4.52	E	North/East
6/10/24 10:00	18.56	12.99	16.6	15.69	18.56	16.145	2.42	2.87	0.53	1.865	1.63	3.65	SE	West/South
6/10/24 11:00	12.07	7.33	9.9	9.82	12.07	9.86	2.21	2.25	0.36	2.3125	2	4.47	WNW	West/South
6/10/24 12:00	9.69	5.19	7.4	7.66	7.66	7.44	0.22	-2.03	-0.83	1.215	2.36	5.28	NW	North/East
6/10/24 13:00	8.51	3.73	5.9	6.25	8.51	6.075	2.44	2.26	0.35	1.3275	3.19	7.14	WNW	West/South

AIBP Early Action Perimeter Air Monitoring with DTSC's Calculations
(May 13 through June 20, 2024)

Date/Time	North Station PM10	East Station PM10	West Station PM10	South Station PM10	Downwind	Upwind	Delta (Downwind - Upwind) DTSC Calculated	Delta (N,S) DTSC Calculated	Delta Rolling Average (N,S) Boeing Calculated	Delta Rolling 2-hour Average (Downwind - Upwind) DTSC Calculated	Wind Speed Hourly Avg (m/s)	Wind Speed Hourly Avg (mph)	Wind Direction (Cardinal)	Upwind Stations
6/10/24 14:00	7.81	3.15	5.4	5.64	7.81	5.52	2.29	2.17	1.57	2.3625	3.24	7.25	WNW	West/South
6/11/24 11:00	18.49	12.84	15.3	15.27	15.3	15.665	-0.36	-3.22	-1.64	-	1.49	3.33	NNE	North/East
6/11/24 12:00	17.01	11.34	13.8	12.6	13.8	14.175	-0.38	-4.41	-2.48	-0.37	1.63	3.65	NE	North/East
6/11/24 13:00	11.19	7.35	9.8	9.17	9.8	9.27	0.53	-2.02	-0.48	0.0775	2.11	4.72	NW	North/East
6/11/24 14:00	7.28	3.55	6.1	4.79	6.1	5.415	0.69	-2.49	-1.39	0.6075	3.08	6.89	NW	North/East
6/12/24 6:00	15.56	10.38	23.7	6.86	23.7	12.97	10.73	-8.7	-9.37	-	2.68	5.99	E	North/East
6/12/24 7:00	35.09	29.42	37.5	29.27	37.5	32.255	5.25	-5.82	-5.83	7.9875	2.33	5.21	E	North/East
6/12/24 8:00	38.44	32.18	39.6	37.79	39.6	35.31	4.29	-0.65	-0.67	4.7675	2.49	5.57	E	North/East
6/12/24 9:00	39.76	33.29	40	37.78	40	36.525	3.48	-1.98	-1.84	3.8825	2.37	5.30	E	North/East
6/12/24 10:00	37.27	30.33	37.3	34.87	37.3	33.8	3.50	-2.4	-2.23	3.4875	2.46	5.50	E	North/East
6/12/24 11:00	26.19	20.19	24.8	22.87	24.8	23.19	1.61	-3.32	-2.97	2.555	2.18	4.88	E	North/East
6/12/24 12:00	16.22	11.16	14.7	12.86	14.7	13.69	1.01	-3.36	-2.46	1.31	2.14	4.79	E	North/East
6/12/24 13:00	11.21	5.86	8.7	7.44	8.7	8.535	0.16	-3.77	-3.16	0.5875	2	4.47	E	North/East
6/12/24 14:00	8.66	4.51	6.6	5.64	8.66	6.12	2.54	3.02	0.56	1.3525	1.82	4.07	SE	West/South
6/13/24 6:00	2.93	1.11	5.3	2.04	5.3	2.02	3.28	-0.89	-0.89	-	1.7	3.80	E	North/East
6/13/24 7:00	10.06	7.21	11.9	7.37	11.9	8.635	3.27	-2.69	-2.31	3.2725	1.1	2.46	E	North/East
6/13/24 8:00	26.98	22.1	26.9	23.57	26.9	24.54	2.36	-3.41	-1.66	2.8125	1.27	2.84	E	North/East
6/13/24 9:00	26.01	20.11	25	22.9	26.01	23.95	2.06	3.11	1.2	2.21	1.39	3.11	SSE	West/South
6/13/24 10:00	17.45	11.98	16.8	14.34	17.45	15.57	1.88	3.11	2.57	1.97	1.6	3.58	S	West/South
6/13/24 11:00	11.34	6.43	9.6	8.05	9.6	8.885	0.72	-3.29	-0.97	1.2975	1.74	3.89	ESE	North/East
6/13/24 12:00	9.7	5.48	7.4	6.48	7.4	7.59	-0.19	-3.22	-0.56	0.2625	2.58	5.77	NW	North/East
6/13/24 13:00	8.2	3.11	5.8	7.95	7.95	5.655	2.30	-0.25	-1.68	1.0525	2.84	6.35	NW	North/East
6/13/24 14:00	7.07	2.01	4.6	4.23	7.07	4.415	2.66	2.84	0.4	2.475	2.43	5.44	WNW	West/South
6/14/24 6:00	19.97	14.11	18.9	14.4	18.9	17.04	1.86	-5.57	-5.57	-	1.97	4.41	ENE	North/East
6/14/24 7:00	23.98	17.89	22.6	20.79	22.6	20.935	1.67	-3.19	-3.19	1.7625	2.28	5.10	E	North/East
6/14/24 8:00	21.56	16.36	20.6	19.44	20.6	18.96	1.64	-2.12	-1.94	1.6525	2.43	5.44	E	North/East
6/14/24 9:00	14.82	9.71	13.1	12.02	14.82	12.56	2.26	2.8	-0.68	1.95	1.59	3.56	WNW	West/South
6/14/24 10:00	10.53	5.2	7.6	7.17	7.6	7.865	-0.27	-3.36	0.36	0.9975	2	4.47	NW	North/East
6/14/24 11:00	10.76	4.35	6.9	5.62	6.9	7.555	-0.65	-5.14	0.72	-0.46	1.51	3.38	NW	North/East
6/14/24 12:00	9.06	5.15	7.8	6.38	7.8	7.105	0.69	-2.68	-0.5	0.02	2.49	5.57	NW	North/East
6/14/24 13:00	8.44	3.57	7	5.28	7	6.005	1.00	-3.16	-2.64	0.845	3.45	7.72	NW	North/East
6/17/24 6:00	24.31	21.21	23.2	22.7	24.31	22.95	1.36	1.61	-2.64	-	1.08	2.42	WSW	West/South
6/17/24 7:00	16.88	12.97	15.6	15.46	16.88	15.53	1.35	1.42	0.48	1.355	1.54	3.44	WNW	West/South
6/17/24 8:00	14.6	10.36	13.4	13.15	14.6	13.275	1.33	1.45	0.64	1.3375	1.72	3.85	WNW	West/South
6/17/24 9:00	15.42	10.26	13.3	12.67	15.42	12.985	2.44	2.75	0.24	1.88	1.55	3.47	WNW	West/South
6/17/24 10:00	13.87	9.16	11.8	11.38	13.87	11.59	2.28	2.49	1.94	2.3575	2.5	5.59	W	West/South
6/17/24 11:00	14.33	8.7	11.5	11.76	14.33	11.63	2.70	2.57	2.31	2.49	2.83	6.33	W	West/South
6/17/24 12:00	15.93	9.68	12.8	12.99	15.93	12.895	3.04	2.94	2.57	2.8675	2.93	6.55	W	West/South

AIBP Early Action Perimeter Air Monitoring with DTSC's Calculations

(May 13 through June 20, 2024)

Date/Time	North Station PM10	East Station PM10	West Station PM10	South Station PM10	Downwind	Upwind	Delta (Downwind - Upwind) DTSC Calculated	Delta (N,S) DTSC Calculated	Delta Rolling Average (N,S) Boeing Calculated	Delta Rolling 2-hour Average (Downwind - Upwind) DTSC Calculated	Wind Speed Hourly Avg (m/s)	Wind Speed Hourly Avg (mph)	Wind Direction (Cardinal)	Upwind Stations
6/17/24 13:00	15.82	9.68	12.6	12.31	15.82	12.455	3.37	3.51	1.53	3.2	2.38	5.32	WNW	West/South
6/17/24 14:00	14.5	9.5	11.9	11.3	14.5	11.6	2.90	3.2	2.31	3.1325	2.62	5.86	W	West/South
6/18/24 6:00	22.91	18.66	24.3	21.63	24.3	20.785	3.52	-1.28	-1.28	-	1.12	2.51	E	North/East
6/18/24 7:00	19.33	14.95	19.1	17.19	19.1	17.14	1.96	-2.14	-1.57	2.7375	1.07	2.39	E	North/East
6/18/24 8:00	18.56	13.73	17.9	15.83	18.56	16.865	1.70	2.73	2.28	1.8275	1.74	3.89	SSE	West/South
6/18/24 9:00	17.46	12.66	16	14.01	16	15.06	0.94	-3.45	-0.18	1.3175	1.47	3.29	ESE	North/East
6/18/24 10:00	14.95	9.48	12.9	11.63	14.95	12.265	2.69	3.32	-0.21	1.8125	1.71	3.83	WNW	West/South
6/18/24 11:00	15.19	8.65	12.3	11.68	15.19	11.99	3.20	3.51	2.5	2.9425	2.7	6.04	W	West/South
6/18/24 12:00	14.84	8.42	12.1	12.65	14.84	12.375	2.47	2.19	2.15	2.8325	3.05	6.82	W	West/South
6/18/24 13:00	14.24	8.32	12	11.12	14.24	11.56	2.68	3.12	2.97	2.5725	3.3	7.38	W	West/South
6/18/24 14:00	13.47	7.79	11.2	10.44	13.47	10.82	2.65	3.03	2.18	2.665	3.18	7.11	W	West/South
6/19/24 6:00	24.76	19.87	29.7	24.97	29.7	22.315	7.39	0.21	0	-	1.25	2.80	E	North/East
6/19/24 7:00	23.64	18.24	24.4	21.82	24.4	20.94	3.46	-1.82	-0.98	5.4225	1.3	2.91	E	North/East
6/19/24 8:00	20.72	15.81	20.4	18.2	20.72	19.3	1.42	2.52	1.39	2.44	1.46	3.27	SSE	West/South
6/19/24 9:00	18.33	13.46	17.3	15.19	18.33	16.245	2.09	3.14	2.46	1.7525	1.77	3.96	SSE	West/South
6/19/24 10:00	14.55	9.93	13.4	11.56	14.55	12.48	2.07	2.99	1.63	2.0775	2.02	4.52	SSE	West/South
6/19/24 11:00	15.34	10.04	13.5	11.83	15.34	12.665	2.68	3.51	2.15	2.3725	2.36	5.28	WSW	West/South
6/19/24 12:00	16.03	10.22	13.6	13.21	16.03	13.405	2.63	2.82	1.58	2.65	3.01	6.73	WNW	West/South
6/19/24 13:00	15.58	9.95	13.5	13.24	15.58	13.37	2.21	2.34	2.02	2.4175	3.39	7.58	WNW	West/South
6/19/24 14:00	14.35	9.06	12.8	11.8	14.35	12.3	2.05	2.55	2.47	2.13	3.32	7.43	W	West/South
6/20/24 6:00	16.42	12.88	17.3	15.15	17.3	14.65	2.65	-1.27	-1.27	-	1.34	3.00	E	North/East
6/20/24 7:00	16.58	12.46	15.6	14.54	15.6	14.52	1.08	-2.04	-0.83	1.865	1.42	3.18	ESE	North/East
6/20/24 8:00	14.94	10.58	14.2	12.63	14.94	13.415	1.53	2.31	1.77	1.3025	1.5	3.36	SSW	West/South
6/20/24 9:00	14.84	9.78	13.6	12.16	13.6	12.31	1.29	-2.68	-1.21	1.4075	1.75	3.91	NW	North/East
6/20/24 10:00	14.85	9.74	12.8	11.56	12.8	12.295	0.51	-3.29	-0.31	0.8975	2.11	4.72	NW	North/East
6/20/24 11:00	13.32	7.95	11.2	10.41	13.32	10.805	2.52	2.91	1.75	1.51	2.71	6.06	WNW	West/South
6/20/24 12:00	11.62	7.17	9.2	8.3	11.62	8.75	2.87	3.32	2.73	2.6925	3.14	7.02	WNW	West/South
6/20/24 13:00	10.08	5.4	8.7	7.24	10.08	7.97	2.11	2.84	2.36	2.49	3.19	7.14	WNW	West/South
6/20/24 14:00	9.24	4.64	7.4	6.47	9.24	6.935	2.31	2.77	1.41	2.2075	3.36	7.52	WNW	West/South