

New York State Department of Environmental Conservation

Bureau of Air Quality Surveillance

2006 Acid Deposition Annual Report

Station: Eisenhower Park CAM
 County: Nassau
 Town: Hempstead
 Location: Eisenhower Park (Merrick Ave)
 (Across from Roosevelt Raceway)

Site #: 295010
 AIRS #: 360590005
 Locality: Suburban
 Zoning: Residential, Comm

Total Precipitation (Inches of Rain): 60.04
 Valid Sample Precipitation: 60.04
 Number of Visits: 52
 Number of Valid Visits: 52
 Number of Samples: 37
 Number of Valid Samples: 37
Official Sampler
 Number of Visits With Precipitation Events: 48
 Number of Valid Visits With Precipitation Events: 48
 Number of Anion Analyses: 36
 Number of Cation Analyses: 36
 Number of Conductivity Analyses: 36
 Number of pH Analyses: 38

Elevation: 27 meters

	Precipitation (Inches of Rain)	Lab pH	SO4 IPPM	NO3 IPPM	CL IPPM	F IPPM	NO2 IPPM	Br IPPM	HPO4 IPPM	Na IPPM	NH4 IPPM	K IPPM	Ca IPPM	Mg IPPM	Lab Conductivity Micro s/cm
Maximum	5.18	5.659	4.426	7.604	0.000	0.000	0.000	0.000	0.000	4.126	1.695	0.147	0.686	0.444	49.60
Minimum	4.02	0.305	0.142	0.075	0.000	0.000	0.000	0.000	0.000	0.019	0.039	0.000	0.000	0.007	4.49

Precipitation Weighted Mean

1st Quarter	8.01	4.78	1.750	1.171	1.485	0.000	0.000	0.000	0.000	0.749	0.269	0.026	0.201	0.075	18.89
2nd Quarter	14.56	4.46	1.919	1.526	0.598	0.000	0.000	0.000	0.000	0.178	0.429	0.015	0.078	0.030	22.02
3rd Quarter	25.11	4.51	1.783	1.124	0.433	0.000	0.000	0.000	0.000	0.212	0.387	0.011	0.084	0.031	18.00
4th Quarter	12.36	4.76	1.103	0.548	1.544	0.000	0.000	0.000	0.000	0.833	0.154	0.028	0.080	0.097	14.54
Annual	60.04	4.57	1.667	1.107	0.830	0.000	0.000	0.000	0.000	0.418	0.327	0.018	0.099	0.052	18.14

Total Deposition

	H+	SO4	NO3	CL	F	NO2	Br	HPO4	Na	NH4	K	Ca	Mg
	mg/m2	mg/m2	mg/m2	mg/m2	mg/m2	mg/m2	mg/m2	mg/m2	mg/m2	mg/m2	mg/m2	mg/m2	mg/m2
1st Quarter	3.409	356.058	238.318	302.055	0.000	0.000	0.000	0.000	152.405	54.642	5.364	40.996	15.161
2nd Quarter	13.029	709.631	564.437	221.083	0.000	0.000	0.000	0.000					
3rd Quarter	19.794	1137.398	716.925	276.021	0.000	0.000	0.000	0.000	135.253	246.966	6.978	53.565	19.958
4th Quarter	5.498	346.356	171.923	484.835	0.000	0.000	0.000	0.000	261.509	48.362	8.733	25.258	30.441
Annual	41.730	2,549.443	1,691.603	1,283.993	0.000	0.000	0.000	0.000	614.998	508.723	26.478	148.798	76.754

NOTE: DEPOSITION SHOWN MEETS 1) FOR QUARTERS, A MINIMUM OF 75% DATA CAPTURE AND
 2) FOR ANNUAL, A MINIMUM OF 75% DATA CAPTURE WITH EACH QUARTER >50% DATA CAPTURE
 DATA CAPTURE = VALID SAMPLES WITH VALID PRECIPITATION FOR THE PERIOD / TOTAL PRECIPITATION FOR PERIOD