

New York State Department of Environmental Conservation

Bureau of Air Quality Surveillance

2005 Acid Deposition Annual Report

Station: Eisenhower Park CAM	Site #: 295010	Total Precipitation (Inches of Rain): 49.63
County: Nassau	AIRS #: 360590005	Valid Sample Precipitation: 49.63
Town: Hempstead	Locality: Suburban	Number of Visits: 52
Location: Eisenhower Park (Merrick Ave) (Across from Roosevelt Raceway)	Zoning: Residential, Comm	Number of Valid Visits: 52
		Number of Samples: 38
		Number of Valid Samples: 38
	Official Sampler	Number of Visits With Precipitation Events: 48
Elevation: 27 meters		Number of Valid Visits With Precipitation Events: 48
		Number of Anion Analyses: 38
		Number of Cation Analyses: 35
		Number of Conductivity Analyses: 38
		Number of pH Analyses: 38

	Precipitation <i>(Inches of Rain)</i>	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	5.88	6.480	10.321	4.651	0.105	0.224	0.109	0.014	2.329	2.183	0.204	0.731	0.315	98.00	
Minimum	3.85	0.309	0.098	0.132	0.000	0.000	0.000	0.000	0.026	0.032	0.000	0.021	0.007	5.63	

Precipitation Weighted Mean

1st Quarter	10.58	4.55	1.353	1.230	1.177	0.014	0.028	0.014	0.000	0.755	0.321	0.018	0.090	0.053	19.79
2nd Quarter	7.55	4.59	1.582	1.363	0.891	0.007	0.000	0.016	0.002	0.489	0.448	0.024	0.134	0.066	19.07
3rd Quarter	7.76	4.33	2.676	2.306	0.516	0.025	0.000	0.000	0.000	0.313	0.568	0.021	0.142	0.050	26.58
4th Quarter	23.74	4.87	0.747	0.469	1.086	0.000	0.003	0.002	0.000	0.695	0.094	0.025	0.046	0.061	10.92
Annual	49.63	4.63	1.305	1.055	0.987	0.008	0.007	0.007	0.000	0.613	0.269	0.023	0.083	0.059	16.50

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	7.655	363.697	330.534	316.415	3.808	7.538	3.860	0.000	202.937	86.274	4.950	24.088	14.320
2nd Quarter	4.956	303.308	261.437	170.921	1.306	0.043	3.142	0.345	93.689	85.987	4.588	25.636	12.671
3rd Quarter	9.265	527.417	454.480	101.687	4.875	0.065	0.000	0.000	61.718	111.867	4.210	27.935	9.869
4th Quarter	8.146	450.240	283.069	654.794	0.035	1.568	1.405	0.000	419.071	56.547	15.165	27.768	37.029
Annual	30.022	1,644.662	1,329.520	1,243.816	10.025	9.214	8.407	0.345	777.414	340.675	28.912	105.427	73.890

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