

New York State Department of Environmental Conservation

Bureau of Air Quality Surveillance

2006 Acid Deposition Annual Report

Station: East Syracuse CAM - Current
 County: Onondaga
 Town: Dewitt
 Location: Enterprise Parkway
 (Parking Lot of Robson& Woe

Site #: 335309
 AIRS #: 360675005
 Locality: Suburban
 Zoning: Residential, Comm

Total Precipitation (Inches of Rain): 44.89
 Valid Sample Precipitation: 44.89
 Number of Visits: 51
 Number of Valid Visits: 51
 Number of Samples: 36
 Number of Valid Samples: 36
Official Sampler
 Number of Visits With Precipitation Events: 50
 Number of Valid Visits With Precipitation Events: 50
 Number of Anion Analyses: 33
 Number of Cation Analyses: 32
 Number of Conductivity Analyses: 34
 Number of pH Analyses: 35

Elevation: 127 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	5.83	5.668	5.231	3.961	0.000	0.034	0.000	0.000	0.000	2.836	2.374	0.768	1.136	0.074	43.30
Minimum	4.14	0.405	0.252	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.097	0.000	0.000	0.002	3.36

Precipitation Weighted Mean

1st Quarter	5.42	4.78	1.748	1.687	1.064	0.000	0.000	0.000	0.000	0.713	0.415	0.064	0.378	0.037	20.31
2nd Quarter	10.41	4.86	1.463	1.188	0.067	0.000	0.000	0.000	0.000	0.025	0.536	0.029	0.099	0.015	10.98
3rd Quarter	16.33	4.52	1.947	1.092	0.074	0.000	0.000	0.000	0.000	0.021	0.531	0.007	0.135	0.017	15.85
4th Quarter	12.73	4.61	1.454	0.971	0.132	0.000	0.001	0.000	0.000	0.068	0.352	0.003	0.097	0.014	13.12
Annual	44.89	4.64	1.643	1.158	0.222	0.000	0.000	0.000	0.000	0.129	0.461	0.017	0.149	0.018	14.58

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	2.281	240.662	232.245	146.542	0.000	0.000	0.000	0.000	98.123	57.140	8.868	52.012	5.093
2nd Quarter	3.706	386.709	314.219	17.701	0.000	0.000	0.000	0.000					
3rd Quarter	12.717								8.794	220.419	2.751	56.028	7.033
4th Quarter	7.991	470.295	313.846	42.828	0.000	0.484	0.000	0.000	21.840	113.783	0.952	31.490	4.561
Annual	26.695	1,905.332	1,313.138	237.935	0.000	0.484	0.000	0.000	135.398	533.089	20.357	165.796	20.581

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