

New York State Department of Environmental Conservation

Bureau of Air Quality Surveillance

2005 Acid Deposition Annual Report

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

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

Total Precipitation (Inches of Rain): 38.44
 Valid Sample Precipitation: 37.76
 Number of Visits: 52
 Number of Valid Visits: 52
 Number of Samples: 39
 Number of Valid Samples: 39
Official Sampler
 Number of Visits With Precipitation Events: 50
 Number of Valid Visits With Precipitation Events: 50
 Number of Anion Analyses: 39
 Number of Cation Analyses: 39
 Number of Conductivity Analyses: 38
 Number of pH Analyses: 39

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	6.19	7.989	8.359	4.588	0.107	0.067	0.283	0.022	3.060	2.159	0.192	1.292	0.197	58.00	
Minimum	4.14	0.376	0.374	0.018	0.000	0.000	0.000	0.000	0.003	0.119	0.000	0.036	0.005	3.58	

Precipitation Weighted Mean

1st Quarter	7.48	4.61	1.053	1.896	1.908	0.029	0.034	0.011	0.003	1.294	0.385	0.013	0.264	0.038	20.32
2nd Quarter	7.23	4.68	1.819	1.439	0.124	0.001	0.002	0.012	0.001	0.060	0.562	0.023	0.273	0.042	16.29
3rd Quarter	10.34	4.53	1.630	2.427	0.082	0.002	0.004	0.029	0.000	0.028	0.842	0.035	0.221	0.034	23.31
4th Quarter	13.39	4.96	0.699	0.804	0.284	0.000	0.009	0.000	0.000	0.191	0.199	0.011	0.144	0.022	8.22
Annual	38.44	4.68	1.238	1.586	0.520	0.006	0.011	0.012	0.001	0.340	0.481	0.020	0.214	0.032	15.84

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	4.754	199.997	360.283	362.516	5.502	6.470	2.063	0.592	245.759	73.178	2.506	50.175	7.299
2nd Quarter	3.878	334.087	264.345	22.809	0.092	0.318	2.262	0.272	11.038	103.118	4.189	50.170	7.737
3rd Quarter	7.773	427.968	637.317	21.596	0.503	0.975	7.545	0.000	7.373	221.133	9.210	57.984	8.861
4th Quarter	3.779	237.682	273.454	96.721	0.000	2.911	0.000	0.000	64.971	67.670	3.781	48.950	7.640
Annual	20.185	1,199.734	1,535.398	503.643	6.098	10.673	11.869	0.864	329.141	465.099	19.686	207.280	31.537

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