

# New York State Department of Environmental Conservation

## Bureau of Air Quality Surveillance

### 2007 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): 41.74  
 Valid Sample Precipitation: 40.70  
 Number of Visits: 53  
 Number of Valid Visits: 53  
 Number of Samples: 42  
 Number of Valid Samples: 42  
 Number of Visits With Precipitation Events: 50  
 Number of Valid Visits With Precipitation Events: 50  
 Number of Anion Analyses: 38  
 Number of Cation Analyses: 38

**Official Sampler**

Elevation: 127 meters

	<b>Precipitation</b> <i>(Inches of Rain)</i>	<b>Lab</b> <b>pH</b>	<b>SO4</b> IPPM	<b>NO3</b> IPPM	<b>CL</b> IPPM	<b>F</b> IPPM	<b>NO2</b> IPPM	<b>Br</b> IPPM	<b>HPO4</b> IPPM	<b>Na</b> IPPM	<b>NH4</b> IPPM	<b>K</b> IPPM	<b>Ca</b> IPPM	<b>Mg</b> IPPM	<b>Lab Conductivity</b> Micro s/cm
<b>Maximum</b>		6.100	6.296	5.167	8.268	0.005	0.042	0.056	0.000	5.282	2.410	0.138	0.874	0.146	156.00
<b>Minimum</b>		4.180	0.238	0.363	0.035	0.000	0.000	0.000	0.000	0.006	0.049	0.000	0.017	0.003	3.89

**Precipitation Weighted Mean**

<b>1st Quarter</b>	11.80	4.60	1.291	1.356	0.900	0.000	0.000	0.002	0.000	0.572	0.302	0.012	0.191	0.023	23.70
<b>2nd Quarter</b>	8.85	4.63	2.246	1.221	0.160	0.000	0.005	0.000	0.000	0.080	0.605	0.017	0.189	0.031	16.46
<b>3rd Quarter</b>	6.91	4.71	2.373	1.179	0.072	0.001	0.007	0.000	0.000	0.014	0.735	0.010	0.219	0.024	16.37
<b>4th Quarter</b>	14.18	4.82	1.364	1.129	0.209	0.000	0.001	0.000	0.000	0.136	0.373	0.007	0.114	0.015	10.82
<b>Annual</b>	41.74	4.69	1.708	1.212	0.341	0.000	0.002	0.001	0.000	0.207	0.468	0.011	0.167	0.022	16.70

**Total Deposition**

	<b>H+</b> mg/m2	<b>SO4</b> mg/m2	<b>NO3</b> mg/m2	<b>CL</b> mg/m2	<b>F</b> mg/m2	<b>NO2</b> mg/m2	<b>Br</b> mg/m2	<b>HPO4</b> mg/m2	<b>Na</b> mg/m2	<b>NH4</b> mg/m2	<b>K</b> mg/m2	<b>Ca</b> mg/m2	<b>Mg</b> mg/m2
<b>1st Quarter</b>	7.587	386.883	406.482	269.717	0.000	0.000	0.674	0.000	171.580	90.596	3.695	57.390	6.825
<b>2nd Quarter</b>	5.308	504.780	274.448	35.930	0.000	1.014	0.000	0.000	18.036	136.039	3.874	42.426	6.925
<b>3rd Quarter</b>	3.473	416.540	206.874	12.611	0.245	1.237	0.000	0.000	2.501	129.069	1.696	38.426	4.166
<b>4th Quarter</b>	5.506	491.394	406.516	75.403	0.000	0.339	0.000	0.000	49.012	134.268	2.558	41.183	5.330
<b>Annual</b>	21.873	1799.597	1294.320	393.660	0.245	2.591	0.674	0.000	241.129	489.972	11.822	179.425	23.245