

U of M Cedar Creek Ecosystem Science Reserve

Site information:

AQS Site ID: **27-003-1001**
NADP Site ID: **MN01**
Address: **2660 Fawn Rd**
City: **East Bethel**
County: **Anoka**

Location Setting: **Rural**
Latitude: **45.4018**
Longitude: **-93.2031**
Elevation: **280 m**
Year Established: **1979**
Former MPCA Site ID: **6012**

Monitoring parameters:

PM _{2.5} FRM	PM _{2.5} Continuous	PM _{2.5} Speciation	PM ₁₀	TSP/Metals	VOCs	Carbonyls	Carbon Monoxide	Ozone	SO ₂	NO _x	Meteorological Data	Other*
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E = Existing, A = Proposed to Add, T = Proposed to Terminate Sampling Frequency: 1/1 = Everyday, 1/3 = 1-in-3 day, 1/6 = 1-in-6 day												

*Acid Deposition



Site description:

This monitoring site is located at the University of Minnesota (U of M) Cedar Creek Ecosystem Science Reserve near East Bethel, approximately 30 miles north of the Twin Cities. Cedar Creek is one of 26 Long Term Ecological Research Sites in the country. It consists of 5,400 acres of wooded uplands, abandoned fields, lowland wooded swamps, and open fens and marshes. Land use surrounding Cedar Creek is rapidly being developed from agricultural to large-lot residential and commercial use.

Monitoring objectives:

- Demonstrate compliance with ozone National Ambient Air Quality Standards (NAAQS).
- Support Air Quality Index (AQI) forecasting and reporting for ozone.
- Characterize precipitation chemistry to track long-term spatial and temporal trends, support research, and assess the effectiveness of State and Federal SO₂ emissions reduction programs.
- Demonstrate compliance with the Minnesota Wet Sulfate Deposition Standard (Minn. R. 7005.4010 to 7005.4050).

Planned changes:

None