

Hovland

Site information:

AQS Site ID: **(none)**
 NADP Site ID: **MN08**
 Address: **(open field)**
 City: **Hovland**
 County: **Cook**

Location Setting: **Rural**
 Latitude: **47.8472**
 Longitude: **-89.9625**
 Elevation: **224 m**
 Year Established: **1996**

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*
												E

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 NADP acid rain monitoring site is located in Cook County, near the small community of Hovland, in northeastern Minnesota. The site is located in a two-acre clearing along County Road 69, ½ mile north of State Highway 61 and Lake Superior. Land use within one mile of the site is a mix of residential along the Lake Superior shoreline and county, state, and federal forests inland along the Arrowhead Trail. Significant air emission sources are located more than 50 miles from the site and consist of pulp and paper mills, lumber mills, taconite-processing facilities, and a coal fired power plant. The power plant is currently on track to cease operations in 2018.

Monitoring objectives:

- Characterize precipitation chemistry to track long-term spatial and temporal trends, support research, and assess the effectiveness of State and Federal SO₂ emission reduction programs.
- Demonstrate compliance with the Minnesota Wet Sulfate Deposition Standard (Minn. R. 7005.4010 to 7005.4050).

Planned changes:

None