

Rosemount – Flint Hills Refinery 420

Site information:

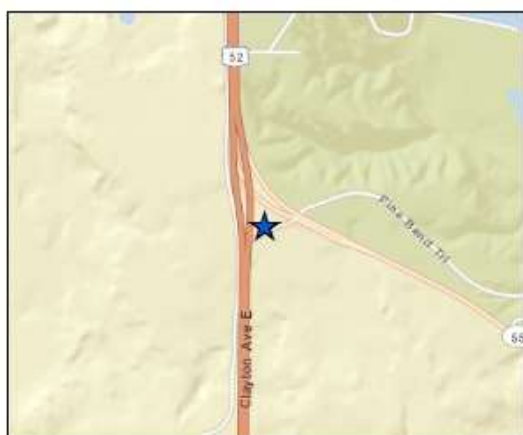
AQS Site ID: **27-037-0020**
 Address: **12821 Pine Bend Trail**
 City: **Rosemount**
 County: **Dakota**

Location Setting: **Rural**
 Latitude: **44.7632**
 Longitude: **-93.0325**
 Elevation: **285 m**
 Year Established: **1972**

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**
				1/6	1/6	1/6	E		E	E	E	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												

*Colocated **TRS



Site description:

This monitoring site is located in Rosemount and is one of three sites in the Flint Hills Resources Pine Bend air quality monitoring network. This site is located in the highway median created by the split of State Highways 55 and 52, less than one mile east of the refinery complex. In addition to the refinery, several air emission sources are located to the north, east, and southeast of this site. These include household waste and demo landfills, truck terminals, sand and gravel operations, waste food recycling, aluminum smelting, and a fertilizer plant.

Monitoring objectives:

- Demonstrate compliance with SO₂, NO₂, CO NAAQS.
- Demonstrate compliance with TSP and H₂S MAAQS.
- Characterize air toxics (VOCs, carbonyls, PAHs, and metals).
- Support modeling and source separation by collecting meteorological data.

Planned changes:

None