

CANTON LOCAL AIR AGENCY  
JURISDICTION MAP



Site Name: Malone College

AQS Site ID: 39-151-0016

Agency: Canton City Health Department Air Pollution Control

Primary QA Org.: Canton City Health Department Air Pollution Control

MSA: Canton-Massillon

Address: 515 25<sup>th</sup> St. N.W., Canton 44709

Latitude: 40.8278

Longitude: -81.3786



**Site description:** This is an ozone SLAMS site located two miles north of downtown Canton. This instrument is located in a monitoring shelter on the campus of Malone College. The site also houses a met tower that reads wind speed and direction each hour. This is an urban and center city impact site for sampling hourly ozone. Land use is considered commercial. This is an area wide source ozone monitoring.

**Monitoring objective and spatial scale:** Monitoring Objective: Population Exposure; Spatial Scale: Neighborhood. To determine compliance with and/or progress made toward meeting ambient air quality standards and to denote the change of ozone impact from center city, urban area to the suburban and rural areas outside of Canton.

### Ambient Air Quality Monitors

Parameter	Currently Operating	Collection Method	Operating Schedule	Monitor Start Date	Proposed Change
PM <sub>2.5</sub> FRM	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
PM <sub>2.5</sub> Continuous	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
PM <sub>2.5</sub> Speciation	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
O <sub>3</sub>	<input checked="" type="checkbox"/>	47	Hourly	5/1/1981	<input type="checkbox"/>
PM <sub>10</sub>	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
SO <sub>2</sub>	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
NO <sub>2</sub>	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
CO	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Pb	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
TSP	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
NCORE	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Air Toxics	<input type="checkbox"/>		NA		<input type="checkbox"/>
Meteorology	<input checked="" type="checkbox"/>		hourly	10/1/1985	<input type="checkbox"/>
Other	<input type="checkbox"/>				<input checked="" type="checkbox"/>

\* Method codes are from the EPA Air Quality Database (AQS). Further description can be found in the appendix of the network review or at: (<http://www.epa.gov/ttn/airs/airsaqs/manuals/codedescs.htm>).

**Description of any proposed changes:**

### Quality Assurance

- Siting and operation of each monitor meets the requirements of appendices A, C, D, and E of 40 CFR Part 58
- Comments:**

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**Site Name: Firestation No. 8**AQS Site ID: **39-151-0017**

Agency: Canton City Health Department Air Pollution Control

Primary QA Org.: Canton City Health Department Air Pollution Control

MSA: Canton-Massillon

Address: 1330 Dueber Ave. SW Canton 44706

Latitude: 40.7867

Longitude: -81.3944



**Site description:** This is a source oriented FRM PM<sub>2.5</sub> and Lead SLAMS site located near the Canton Timken plant in SW Canton. The instruments are located on the roof of Canton's Firestation House No. 8. The site has also a PM<sub>2.5</sub> chemical speciation monitor and a elemental carbon URG monitor. More recently, the site is a source oriented Pb/metals station. This is a suburban location setting and the land use is considered industrial/residential.

**Monitoring objective and spatial scale:** Monitoring Objective: Population Exposure; Spatial Scale: Neighborhood. To determine compliance with and/or progress made toward meeting ambient air quality standards and to determine speciation components of PM<sub>2.5</sub> concentrations.

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**Ambient Air Quality Monitors**

Parameter	Currently Operating	Collection Method	Operating Schedule	Monitor Start Date	Proposed Change
PM <sub>2.5</sub> FRM	<input checked="" type="checkbox"/>	116	1:1	1/3/1999	<input type="checkbox"/>
PM <sub>2.5</sub> Continuous	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
PM <sub>2.5</sub> Speciation	<input checked="" type="checkbox"/>	SASS	1:6	1/6/2005	<input type="checkbox"/>
O <sub>3</sub>	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
PM <sub>10</sub>	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
SO <sub>2</sub>	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
NO <sub>2</sub>	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
CO	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Pb/Metals	<input checked="" type="checkbox"/>	45	1:6	1/1/2010	<input type="checkbox"/>
TSP	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
NCORE	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Air Toxics	<input type="checkbox"/>		NA		<input type="checkbox"/>
Meteorology	<input type="checkbox"/>		NA		<input type="checkbox"/>
Other	<input checked="" type="checkbox"/>	carbon URG			<input checked="" type="checkbox"/>

\* Method codes are from the EPA Air Quality Database (AQS). Further description can be found in the appendix of the network review or at: (<http://www.epa.gov/ttn/airs/airsaqs/manuals/codedescs.htm>).

**Description of any proposed changes:** Monitoring of elemental carbon to start soon.

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**Quality Assurance**

Siting and operation of each monitor meets the requirements of appendices A, C, D, and E of 40 CFR Part 58

**Comments:** Colocated FRM PM<sub>2.5</sub> monitor began June, 2001.

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**Site Name: Canton Health Dept.**AQS Site ID: **39-151-0020**

Agency: Canton City Health Department Air Pollution Control

Primary QA Org.: Canton City Health Department Air Pollution Control

MSA: Canton-Massillon

Address: 420 Market Avenue N, Canton 44702

Latitude: 40.8006

Longitude: -81.3733



**Site description:** This is a center city population oriented FRM PM<sub>2.5</sub> and Carbon Monoxide site located in downtown Canton. This site has FRM and hourly PM<sub>2.5</sub> monitors located on the roof of the Canton Health Dept. There is also a street canyon CO monitor situated on the second floor of the parking garage along Market Avenue. The probe extends out over the sidewalk along the parking garage towards the street. This is a center city location setting and the land use is commercial.

**Monitoring objective and spatial scale:** Monitoring Objective: Population Exposure; Spatial Scale: Neighborhood for PM<sub>2.5</sub> and microscale for the CO monitor. To determine compliance with and/or progress made toward meeting ambient air quality standards.

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**Ambient Air Quality Monitors**

Parameter	Currently Operating	Collection Method	Operating Schedule	Monitor Start Date	Proposed Change
PM <sub>2.5</sub> FRM	<input checked="" type="checkbox"/>	116	1:3	1/3/1999	<input type="checkbox"/>
PM <sub>2.5</sub> Continuous	<input checked="" type="checkbox"/>	711	Hourly	1/19/2002	<input type="checkbox"/>
PM <sub>2.5</sub> Speciation	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
O <sub>3</sub>	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
PM <sub>10</sub>	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
SO <sub>2</sub>	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
NO <sub>2</sub>	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
CO	<input checked="" type="checkbox"/>	54	Hourly	1/27/1993	<input type="checkbox"/>
Pb	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
TSP	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Metals	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Air Toxics	<input type="checkbox"/>		NA		<input type="checkbox"/>
Meteorology	<input type="checkbox"/>		NA		<input type="checkbox"/>
Other	<input type="checkbox"/>				<input type="checkbox"/>

\* Method codes are from the EPA Air Quality Database (AQS). Further description can be found in the appendix of the network review or at: (<http://www.epa.gov/ttn/airs/airsaqs/manuals/codedescs.htm>).

**Description of any proposed changes:**

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**Quality Assurance**

- Siting and operation of each monitor meets the requirements of appendices A, C, D, and E of 40 CFR Part 58

**Comments:**

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**Site Name: Wandle**AQS Site ID: **39-151-0022**

Agency: Canton City Health Department Air Pollution Control

Primary QA Org.: Canton City Health Department Air Pollution Control

MSA: Canton-Massillon

Address: 45 S. Wabash Ave., S.R.83, Brewster

Latitude: 40.7127

Longitude: -81.5983



**Site description:** This is an upwind SLAMS ozone monitoring site for the Canton urban area located about 12 miles from the southwest portions of Canton. The site is located in the town of Brewster at the Wandle building just off S.R. 83 that runs north-south thru the town. This location setting is basically rural/ suburban and the land use is residential.

**Monitoring objective and spatial scale:** Monitoring Objective: Population Exposure; Spatial Scale: Urban. To determine upwind background concentration for the Canton urban area.

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**Ambient Air Quality Monitors**

Parameter	Currently Operating	Collection Method	Operating Schedule	Monitor Start Date	Proposed Change
PM <sub>2.5</sub> FRM	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
PM <sub>2.5</sub> Continuous	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
PM <sub>2.5</sub> Speciation	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
O <sub>3</sub>	<input checked="" type="checkbox"/>	47	Hourly	4/1/2010	<input type="checkbox"/>
PM <sub>10</sub>	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
SO <sub>2</sub>	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
NO <sub>2</sub>	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
CO	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Pb	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
TSP	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Metals	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Air Toxics	<input type="checkbox"/>		NA		<input type="checkbox"/>
Meteorology	<input type="checkbox"/>		NA		<input type="checkbox"/>
Other	<input type="checkbox"/>				<input type="checkbox"/>

\* Method codes are from the EPA Air Quality Database (AQS). Further description can be found in the appendix of the network review or at: (<http://www.epa.gov/ttn/airs/airsaqs/manuals/codedescs.htm>).

**Description of any proposed changes:**

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**Quality Assurance**

Siting and operation of each monitor meets the requirements of appendices A, C, D, and E of 40 CFR Part 58

**Comments:**

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**Site Name: Alliance Armory**AQS Site ID: **39-151-4005**

Agency: Canton City Health Department Air Pollution Control

Primary QA Org.: Canton City Health Department Air Pollution Control

MSA: Canton-Massillon

Address: 1175 West Vine Street, Alliance 44602

Latitude: 40.9315

Longitude: -81.1238



**Site description:** This is a SLAMS ozone monitoring site measuring the downwind impact of the Canton urban area. It is located at the National Guard Armory in Alliance located about 12 miles northwest from the northwest portions of Canton. This location setting is suburban and the land use is residential.

**Monitoring objective and spatial scale:** Monitoring Objective: Population Exposure; Spatial Scale: Urban. To determine downwind concentration for the Canton urban area.

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**Ambient Air Quality Monitors**

Parameter	Currently Operating	Collection Method	Operating Schedule	Monitor Start Date	Proposed Change
PM <sub>2.5</sub> FRM	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
PM <sub>2.5</sub> Continuous	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
PM <sub>2.5</sub> Speciation	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
O <sub>3</sub>	<input checked="" type="checkbox"/>	47	Hourly	5/30/1991	<input type="checkbox"/>
PM <sub>10</sub>	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
SO <sub>2</sub>	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
NO <sub>2</sub>	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
CO	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Pb	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
TSP	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Metals	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Air Toxics	<input type="checkbox"/>		NA		<input type="checkbox"/>
Meteorology	<input type="checkbox"/>		NA		<input type="checkbox"/>
Other	<input type="checkbox"/>				<input type="checkbox"/>

\* Method codes are from the EPA Air Quality Database (AQS). Further description can be found in the appendix of the network review or at: (<http://www.epa.gov/ttn/airs/airsaqs/manuals/codedescs.htm>).

**Description of any proposed changes:**

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**Quality Assurance**

Siting and operation of each monitor meets the requirements of appendices A, C, D, and E of 40 CFR Part 58

**Comments:**