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**Ambient Air Monitoring**

**Site Documentation Template**

January 2016

# Ambient Air Monitoring Site Documentation Template

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# Completing the Template

All requirements for submission of Site Documentation are outlined in the Air Monitoring Directive (AMD).

**For all monitoring sites:**

Complete all of:

* Section 1.0 General Information
* Section 2.0 Site Description
* Section 3.0 Site Influences
* Section 4.0 Instruments

**For all continuous ambient air monitoring stations:**

In addition to the above sections (1.0 through 4.0), complete all of:

* Section 5.0 Continuous Stations

**Network of Stations:**

Complete all of:

* Section 6.0 Network of Stations

# General Information

## Station

|  |  |
| --- | --- |
| **Station identification/number** | Click here to enter text. |
| **Station Name (building name, park name, etc.)** | Click here to enter text. |
| **Date station established** | Date |
| **Date information last updated** | Date |

## Location

|  |  |
| --- | --- |
| **Station address (street address/legal land description)** | Street address |
| Legal land description |

|  |  |  |
| --- | --- | --- |
| **Nearest cross-street** | Click here to enter text. | |
| **Air zone / Airshed zone** | Click here to enter text. | |
| **Latitude** | latitude | |
| **Longitude** | longitude | |
| **UTM Coordinates** | **East:** east | **North:** north |

|  |  |
| --- | --- |
| **Community (municipality, community or county)** | Click here to enter text. |
| **Population of municipality** | population |
| **Census year** | year |
| **Population of city or metropolitan area** | population |
| **Census year** | year |

Notes, comments, additional text.

## Owner/Operator/Approval Holder

|  |  |
| --- | --- |
| **Name of operating agency** | Operating agency |
| **Address** | Address |
| Address |

|  |  |
| --- | --- |
| **Contact name** | Name |
| **Phone number** | phone number |
| **Email address** | email |

|  |  |
| --- | --- |
| **Name of owner/approval holder** | approval holder |
| **Address** | address |
| **Contact name** | name |
| **Phone number** | phone number |
| **Email address** | email |
| **Approval number** | approval number |

Notes, comments, additional text.

# Site Description

|  |  |
| --- | --- |
| **Scale of representativeness** | Click here to enter text. |

|  |  |  |
| --- | --- | --- |
| **Land use by sector**  **(use 90° as a sector)** | 1. Click here to enter text. | 5. Click here to enter text. |
| 2. Click here to enter text. | 6. Click here to enter text. |
| 3. Click here to enter text. | 7. Click here to enter text. |
| 4. Click here to enter text. | 8. Click here to enter text. |

|  |  |
| --- | --- |
| **Site elevation  (above sea level (m))** | elevation |

|  |  |
| --- | --- |
| **Angle of elevation to nearby buildings** | **1. Greatest angle: Click here to enter text.** |
| **2. Building direction:** Click here to enter text. |
| **Average building height in the area (m)** | Click here to enter text. |

|  |  |  |
| --- | --- | --- |
| **Air flow restrictions (yes/no)** | **North:** Click here to enter text. | **South:** Click here to enter text. |
| **East:** Click here to enter text. | **West:** Click here to enter text. |
| **Distance to nearest trees (m)** | distance | | |
| **Manifold** | **1. Type:** Click here to enter text. | | |
| **2. Distance from supporting structure:** Click here to enter text. | | |

|  |  |
| --- | --- |
| **Meteorological Information** | **1. Type:** Click here to enter text. |
| **2. Distance from supporting structure:** Click here to enter text. |
| **3. Distance from station:** Click here to enter text. |
| **4. Contact:** Click here to enter text. |

Notes, comments, additional text.

# Site Influences

## Localized sources (within 20 metres of station, monitor, or sampler)

|  |  |  |
| --- | --- | --- |
| **Type** | **Distance**  **(m)** | **Description** |
| Click here to enter text. | Distance | Click here to enter text. |
| Click here to enter text. | Distance | Click here to enter text. |
| Click here to enter text. | Distance | Click here to enter text. |
| Click here to enter text. | Distance | Click here to enter text. |
| Click here to enter text. | Distance | Click here to enter text. |
| Click here to enter text. | Distance | Click here to enter text. |
| Click here to enter text. | Distance | Click here to enter text. |

## Roadway influences

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **\*Traffic Volume** | **Distance**  **(m)** | **Description** |
| Click here to enter text. | type | volume | Distance | description |
| Click here to enter text. | type | volume | Distance | description |
| Click here to enter text. | type | volume | Distance | description |
| Click here to enter text. | type | volume | Distance | description |
| Click here to enter text. | type | volume | Distance | description |
| Click here to enter text. | type | volume | Distance | description |

\*Average annual weekday traffic

## Major point sources

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Map number** | **Source Name** | **Source Type** | **Production Capacity** | **Distance from Site**  **(km)** | **Compass direction**  **(degrees)** |
| Map # | Source name | Source type | capacity | Distance | degrees |
| Map # | Source name | Source type | capacity | Distance | degrees |
| Map # | Source name | Source type | capacity | Distance | degrees |
| Map # | Source name | Source type | capacity | Distance | degrees |
| Map # | Source name | Source type | capacity | Distance | degrees |
| Map # | Source name | Source type | capacity | Distance | degrees |
| Map # | Source name | Source type | capacity | Distance | degrees |

Notes, comments, additional text.

# Instruments

**Station Number:** Click here to enter text. **City:** Click here to enter text.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Instrument Type** | **Owner** | **Make** | **Serial No.** | **Sampling Height**  **(m)** | **Date Installed** |
| **Ozone** | Click here to enter text. | Make | s/n | height | Date |
| **Oxides of nitrogen** | Click here to enter text. | Make | s/n | height | Date |
| **Sulphur dioxide** | Click here to enter text. | Make | s/n | height | Date |
| **Hydrogen sulphide** | Click here to enter text. | Make | s/n | height | Date |
| **Ammonia** | Click here to enter text. | Make | s/n | height | Date |
| **Non-methane hydrocarbons** | Click here to enter text. | Make | s/n | height | Date |
| **Carbon monoxide** | Click here to enter text. | Make | s/n | height | Date |
| **Total reduced sulphur** | Click here to enter text. | Make | s/n | height | Date |
| **Continuous particulates** | Click here to enter text. | Make | s/n | height | Date |
| **Wet deposition** | Click here to enter text. | Make | s/n | height | Date |
| **Dry deposition** | Click here to enter text. | Make | s/n | height | Date |
| **Intermittent particulates** | Click here to enter text. | Make | s/n | height | Date |
| **VOCs** | Click here to enter text. | Make | s/n | height | Date |
| **Semi-volatiles** | Click here to enter text. | Make | s/n | height | Date |
| **Passives (SO2, O3, etc.)** | **A separate schedule has been provided for passive samplers. Available on the AMD web site.** | | | | |
| **Wind speed/direction** | Click here to enter text. | Make | s/n | height | Date |
| **Temperature/RH** | Click here to enter text. | Make | s/n | height | Date |
| **Intensive meteorology** | Click here to enter text. | Make | s/n | height | Date |
| **Visibility** | Click here to enter text. | Make | s/n | height | Date |
| **Data logger** | Click here to enter text. | Make | s/n | height | Date |
| **Data system** | Click here to enter text. | Make | s/n | height | Date |
| **Type** | Click here to enter text. | Make | s/n | height | Date |
| **Type** | Click here to enter text. | Make | s/n | height | Date |
| **Type** | Click here to enter text. | Make | s/n | height | Date |
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| **Type** | Click here to enter text. | Make | s/n | height | Date |
| **Type** | Click here to enter text. | Make | s/n | height | Date |
| **Type** | Click here to enter text. | Make | s/n | height | Date |

Notes, comments, additional text.

**The required maps, sketches and photographs can be inserted in the spaces provided below (click in the center of the box to insert picture.) or submitted as separate digital files. If submitting digital files please indicate in the notes, comments, additional text area below.**

# Continuous Stations

## Area Map for Continuous Station

The area map for each continuous station covers an approximate area of one square kilometre with the station in the center including land use sectors.

Notes, comments, additional text.



## Sketches for Continuous Stations

Notes, comments, additional text.

Plan view sketch as outlined in the AMD



Cross-sectional sketch as outlined in the AMD



## Photographs for Continuous Stations

Four colour pictures looking from the instrument/manifold to the east, south, west and north.

Notes, comments, additional text.

**East:**



**North:**



**South:**



**West:**



Colour picture showing the details of the sampling inlet(s) or manifold in relation to the station.

Notes, comments, additional text.





Colour picture of the structure housing the instruments from the door side with the direction of exposure marked below.

Notes, comments, additional text.



Exposure

Any additional photos as required may be submitted in a separate file.

Notes, comments, additional text.

## Wind Rose



# Network of Stations

## Network Area Map

(showing, at a minimum, roadways, railway lines, airports, lakes, rivers, human settlements, pollutant sources, and other significant landmarks with the station location(s) clearly indicated)

Notes, comments, additional text.



## Network Topographic Map

(showing station location(s), pollutant sources, preferred scale is 1:50,000 with elevation contours at 25 foot (7.62 metre) intervals)

Notes, comments, additional text.

