XML Schema for

AMD5 Emissions Summary

Revision History

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| --- | --- | --- | --- |
| **Version** | **Date** | **Author(s)** | **Revision Notes** |
| 0.1 | Oct-14-2018 | Environment and Resources | Initial document |
| 0.2 | Nov-02-2018 | Environment and Resources | Updated schema based on IT feedback |
| 1.0 | Nov-20-2018 | Environment and Resources | Updated schema namespace |
| 1.1 | Nov-30-2018 | Environment and Resources | Updated and embedded schema |
| 1.2 | Dec-05-2018 | Environment and Resources | Updated field optionality in the data dictionary |
| 1.3 | Dec-16-2018 | Environment and Resources | Updated schema |
| 1.4 | Jan-08-2019 | Environment and Resources | Added schema version and embedded schema |
| 1.5 | Feb-06-2019 | Air Policy | Added file naming convention to data dictionary  |
| 1.6 | Jan-28-2020 | Environment and Resources | Updated and embedded schema; updated data dictionary |
| 1.7 | Apr-22-2022 | Air Policy | Updated embedded .xsd schema. |

This document outlines the XML file format that is required for the submission of AMD5 Emissions Summary.

Please note that the possible values for some of the [XML](https://www.w3schools.com/xml/default.asp) fields will be communicated later and minor changes to the [XML Schema](https://www.w3schools.com/xml/schema_intro.asp) may be needed in the future.

XML Schema

See attached:



File Naming Convention

Refer to required file naming conventions on the Air Monitoring Directive website:

[EPEA Approval Industrial Monitoring Documentation Submission Naming Guideline](https://www.alberta.ca/assets/documents/ep-epea-approval-industrial-monitoring-documentation-submission-naming-guideline.pdf)

Field Descriptions

|  |  |  |
| --- | --- | --- |
| **Field** | **Description** | **Required** |
| EpeaApproval | EPEA approval number (8 digits) | Yes |
| CompanyName | Name of the company | Yes |
| FacilityName | Name of the facility | Yes |
| AerId | AER ID | No |
| FacilityContactName | Name of the facility contact | Yes |
| FacilityContactPhone | Phone of the facility contact | Yes |
| FacilityContactEmail | Email of the facility contact in abc@xyz.com format | Yes |
| ContractorCompany | Name of the contractor company | No |
| ContractorContactName | Contact name of the contractor company | No |
| ContractorContactEmail | Email of the contact | No |
| Year | Year in YYYY format | Yes |
| Quarter | Quarter number as Q1, Q2, Q3, Q4 for quarterly submisison | No |
| Monthly | Monthly data collection: Month1, Month2, Month3 (Quarterly) | No |
|  Month | Name of the reporting month; e.g., January – Required for monthly submisison | Yes |
| Parameters | Collection of pollutants | Yes |
|  Name | Name; e.g., (NOx) | Yes |
|  Units | Units in which the data has been reported; e.g., kg | Yes |
|  Comments | General comments | No |
|  MonthlyPlantTotal | Monthly plant total; e.g., 30795.25 | Yes |
|  MonthlyParameterAverage | Monthly parameter average in decimal | No |
|  QuarterlyPlantTotal | Quarterly plant total in decimal | No |
|  QuaterlyParameterAverage | Quarterly parameter average in decimal | No |
|  Sources | Collection of sources | Yes |
|  Name | Source name; e.g., Boiler stack | Yes |
|  UniqueSourceIdentifier | Unique source identifier; e.g., P1 Reformer Stack | No |
|  CemsStationId | CEMS station id; e.g., 77777 | No |
|  HoursOfOperation | Hours of operation; e.g., 665.00 | Yes |
|  Method | Measurement or calculation method; e.g., CEMS | Yes |
|  MonthlyStackTotal | Monthly stack total of emissions; e.g., 13799.25 | Yes |
|  MonthlyStackAverage | Monthly stack average in decimal  | No |
|  QuarterlyStackTotal | Quarterly stack total of emissions; e.g., 13799.25 | No |
|  QuarterlyStackAverage | Quarterly stack average of emissions in decimal | No |
|  DailyReporting | Collection of daily reporting | Yes |
|  Day | Number of days from 1-31 | Yes |
|  DailyPlantTotal | Daily total plant; e.g., 538.24 | No |
|  SourceEmissions | Collection of source emissions data | Yes |
|  SourceEmission | Daily total emissions value in decimal | No |
|  SourceName | Source name; e.g., Boiler stack | Yes |
|  UniqueSourceIdentifier | Unique source identifier; e.g., P1 Reformer Stack | No |
|  CemsStationId | CEMS station id; e.g., 77777 | No |
| Annual |  |  |
|  Parameters | Collection of pollutants | Yes |
|  Name | Name; e.g., (NOx) | Yes |
|  Units | Units in which the data has been reported; e.g., kg | Yes |
|  Comments | General comments | No |
|  AnnualPlantTotal | Annual plant total for a specific parameter in decimal | Yes |
|  AnnualParameterAverage | Annual parameter average in decimal; value isn’t necessary but can be derived from the total and the annual hours of operation. | No |
|  Sources | Collection of sources | Yes |
|  Name | Source name; e.g., Boiler stack | Yes |
|  UniqueSourceIdentifier | Unique source identified; e.g., P1 Reformer Stack | No |
|  CemsStationId | CEMS station id e.g., 77777 | No |
|  HoursOfOperation | Hours of operation; e.g., 665.00 | Yes |
|  Method | Measurement or calculation method; e.g., CEMS | Yes |
|  AnnualStackTotal | Annual stack total emissions in decimal | Yes |
|  AnnualStackAverage | Annual stack emissions average in decimal | No |
|  MonthlyReporting | Collection of monthly reporting | Yes |
|  Month | Name of the reporting month; e.g., January | Yes |
|  MonthlyAverageForAllSources | Monthly average for all sources in decimal | No |
|  SourceEmissions | Collection of source emissions | Yes |
|  SourceEmission | Monthly total emissions in decimal | No |
|  SourceName | Source name; e.g., Boiler stack | Yes |
| UniqueSourceIdentifier | Unique source identifier; e.g., P1 Reformer Stack | No |
|  CemsStationId | CEMS station id; e.g., 77777 | No |

Reference Links

* [XML Overview](https://www.w3schools.com/xml/default.asp)
* [Schema Overview](https://www.w3schools.com/xml/schema_intro.asp)