XML Schema for

AMD7 Manual Stack Survey

Revision History

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| --- | --- | --- | --- |
| **Version** | **Date** | **Author(s)** | **Revision Notes** |
| 0.1 | Oct-14-2018 | Environment and Resources | Initial document |
| 1.0 | Nov-20-2018 | Environment and Resources | Updated schema namespace |
| 1.1 | Nov-28-2018 | Environment and Resources | Updated optional fields |
| 1.2 | Nov-30-2018 | Environment and Resources | Updated and embedded schema |
| 1.3 | Dec-05-2018 | Environment and Resources | Updated field optionality in the data dictionary |
| 1.4 | Dec-10-2018 | Environment and Resources | Updated filed optionality in the data ditcionary |
| 1.5 | Dec-18-2018 | Environment and Resources | Updated schema |
| 1.6 | Jan-08-2019 | Environment and Resources | Added schema version and embedded schema |
| 1.7 | Feb-06-2019 | Air Policy | Added file naming convention to data dictionary |
| 1.8 | Jan-28-2020 | Environment and Resources | Updated and embedded schema; updated data dictionary |
| 1.9 | Aug-04-2020 | Environment and Resources | Updated schema |
| 2.0 | Jun-25-2021 | Environment and Resources | Updated and embedded schema; updated data dictionary |
| 2.1 | Sep-30-2021 | Government Services | Updated schema |
| 2.2 | Apr-22-2022 | Air Policy | Updated embedded .xsd schema. |

This document outlines the XML file format that is required for the submission of AMD7 Manual Stack Survey.

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; e.g., 555-555-1234 | Yes |
| FacilityContactEmail | Email of the facility contact in abc@xyz.com format | Yes |
| ManualStackSurveyConductedByCompany | Company name which conducted manual stack survey | Yes |
| ManualStackSurveyConductedByLeadPerson | Lead person name who conducted manual stack survey | Yes |
| ContractorCompany | Name of the contractor company | No |
| ContractorContactName | Contact name at the contractor company | No |
| ContractorContactEmail | Email of the contractor company contact | No |
| Year | Year in YYYY format | Yes |
| Month | Name of the reporting month; e.g., January | Yes |
| Stacks | Collection of stacks data | Yes |
| SourceName | Source name; e.g., Reformer Stack | Yes |
| UniqueSourceIdentifier | Unique source identified; e.g., RS-P1 | No |
| CemsStationId | CEMS station id; e.g., 77777 | No |
| NotificationDate | Notification date; e.g., 29-Jan-2021  | No |
| ProductionRateDuringTest | Production rate during test; e.g., 2015 | Yes |
| AvgProductionRateForPrevious30Days | Average production rate for previous 30 days; e.g., 2160 | Yes |
| ProductionRateUnits | Production rate units; e.g., mscf/hour . Note: if your production rate unit is not listed, choose Other and enter the unit in general comments.  | Yes |
| StackDiameter | Stack diameter (in meters) | Yes |
| Comments | General comments in written text | No |
| Parameters | Collection of parameter data | No |
|  Name | Parameter name; e.g., Nitrogen Oxides, Oxygen, Flow, Temperature. Note: if your parameter is not listed, choose Other and enter the parameter in data comments.  | Yes |
|  Units | Parameter Units in which the data has been reported; e.g., ppm, kg, % dry, m3/s, deg C | Yes |
|  TimeInterval | Time interval; e.g. 1HR | No |
|  TestMethod | Test method; e.g. Alberta Sampling Code Method 3A. Describe any method deviations in data comments.  | Yes |
|  TestDate | Test date; e.g., 29-Jan-2021 | Yes |
|  StartTime | Test start time; e.g., 10:35:00 AM | No |
|  StopTime | Test stop time; e.g., 11:35:00 AM | No  |
|  TestValue | Test value; e.g., 134.87  Add several more rows below this row for the other two tests to include Test start time/Test Stop times, Test values for Test Value 2 and Test Value 3 respectively | No  |
|  AverageValue | Average value; e.g., 135.63 | No |
|  ApprovalLimit | Approval limit; e.g., 100 | No |
|  ApprovalLimitUnits | Approval limit units; e.g., kg  | No |
|  ApprovalTimeInterval | Approval time interval; e.g. 1HR | No |
|  TestValuesExceededLimit | Test values exceeded limit? True/false (Yes/No) | No |
|  AlbertaStackSamplingComplianceMet | Alberta stack sampling code compliance determination criteria met? (Yes,No,Incomplete test). If "Incomplete test" is chosen, explain in general comments. | Yes |
|  DataComments | Data comments in written text | No |

Reference Links

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