XML Schema for

AMD10 S-30 Report

Revision History

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| --- | --- | --- | --- |
| **Version** | **Date** | **Author(s)** | **Revision Notes** |
| 0.1 | Oct-03-2018 | Environment and Resources | Initial document |
| 1.0 | Nov-20-2018 | Environment and Resources | Updated schema namespace |
| 1.1 | Nov-22-2018 | Environment and Resources | Updated schema based on IT testing |
| 1.2 | Dec-08-2018 | Environment and Resources | Updated and embedded schema; updated data dictionary |
| 1.3 | Dec-12-2018 | Environment and Resources | Added FacilityContactPhone to data dictionary |
| 1.4 | Dec-18-2018 | Environment and Resources | Updated and embedded schema; updated data dictionary |
| 1.5 | Jan-08-2019 | Environment and Resources | Added schema version and embedded schema |
| 1.6 | Feb-06-2019 | Air Policy | Added file naming convention to data dictionary |
| 1.7 | Jan-28-2020 | Environment and Resources | Updated and embedded schema; updated data dictionary |
| 2.0 | Jan-20-2023 | Air Policy | Updated and embedded schema; updated data dictionary |

This document outlines the XML file format that is required for the submission of AMD10 S-30 Report.

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 number of the facility contact | Yes |
| FacilityContactEmail | Email of the facility contact in [abc@xyz.com](mailto: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 | No |
| Monthly | Monthly data collection : Month1 | No |
| Month | Name of the reporing month; e.g., January | Yes |
| MonthlyMeasurementPercentDifference | Monthly measurement percent difference; e.g., 3 (for 3%).  Monthly measurement difference (%) = [Monthly sulphur in (t) – Monthly sulphur out total (t)] ÷ Monthly sulphur in (t) \*100 | Yes |
| SulphurInApprovedMaxDailyPlantFeedstockVolume | The approved maximum volume of plant feedstock (raw gas plus gas equivalent of inlet condensate), as stated in the approval or the most recent application approved in 103 m3 to 1 decimal place; e.g., 625.00 | No |
| SulphurInApprovedMaxDailyInlet | The approved maximum daily sulphur inlet in tonnes to 1 decimal place, as stated in the approval or the most recent application approved; e.g., 9.00 | No |
| SulphurRecoveryEfficiencyMinApproved | Minimum approved sulphur recovery efficiency; e.g., 70.15 | No |
| SulphurRecoveryEfficiencyActualMonthly | Actual monthly sulphur recovery efficiency; e.g., 76.15  Calculated using the following formula: | No |
| SulphurRecoveryEfficiencyCummulativeQuarterly | Cummulative quarterly value of sulphur recovery efficiency | No |
| Comments | General comments in text | No |
| Day | Day values from 1 - 31 | Yes |
| SulphurInActualPlantFeedstockVolume | Actual volume of plant feedstock (raw gas plus gas equivalent of inlet condensate) received by the plant on this day in 103 m3 to 1 decimal place. This must not be entered as a daily average volume for the entire month; e.g., 102.8 | No |
| SulphurInActualPlantFeedstockMass | Sulphur in actual plant feedback mass; e.g., 2.44  Sulphur (t) = Plant feedstock volume (103 m3) × Recombined H2S% × 1.35592 (Conversion factor) ÷ 100 | Yes |
| SulphurOutProduction | Elemental Sulphur produced on site (typically poured to block or prilled) and not intended for disposal in tonnes (t) | Yes |
| SulphurOutStackEmission | Total sulphur incinerated or burned as fuel and emitted to the atmosphere in tonnes (t) | Yes |
| SulphurOutGasFlaredVolume | Enter the amount of gas flared from the plant in 103 m3 to 1 decimal place.  Include all sours gas flared and also report acid gas flared from plants that do not recover sulphur; e.g., 0.01 | No |
| SulphurOutFlaredGasEmission | Flared gas sulphur emission (t); e.g., 0.01  Sulphur (t) = Flared gas volume (103 m3) × Flared gas H2S% × 1.35592 (Conversion factor) ÷100 | Yes |
| SulphurOutVolume | Daily volume of sulphur injected to subsurface formations or disposed of in any manner other than described above (e.g., nonregenerative sweetening) in 103 m3 to 1 decimal place  Include all sour gas injected and also report acid gas injected from plants that do not recover sulphur. “Other” disposition, if used, must be identified and separately quantified (monthly total) as part of the S-30 submission. | No |
| SulphurOutMass | Injected/Other sulphur mass (t); e.g., 0.01  Sulphur (t) = Injected gas volume (103 m3) × Injected gas H2S% × 1.35592 (Conversion factor) ÷100 | Yes |
| TotalSulphur | Total daily Sulphur out; e.g., 2.130  Total daily tonnage = Sulphur production (t) + Sulphur stack emission (t) + Flared gas (t) + Injected/others (t) | Yes |
| SulphurInPercentH2S | Daily percentage of H2S contained in the recombined plant feedstock (raw gas and condensate and/or water) on this day to 1 decimal place; if less than 0.10 per cent, enter the percentage to 4 decimal places; e.g., 1.75 | No |
| SulphurOutPercentH2SFlaredGas | Daily percentage of H2S contained in the flared gas to 1 decimal place.; e.g., 18.0 | No |
| SulphurOutPercentH2S | Daily percentage of H2S contained in the injected gas to 1 decimal place; e.g., 0.1 | No |
| MonthlyTotal | Total monthly in decimal | No |
| QuarterlyTotal | Total quarterly in decimal | No |

Reference Links

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