XML Schema for

AMD1 Approval Contravention Form

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 | Dec-08-2018 | Environment and Resources | Updated and embedded schema; updated data dictionary |
| 1.2 | Dec-13-2018 | Environment and Resources | Added ReportingFrequency to the data dictionary |
| 1.3 | Dec-18-2018 | Environment and Resources | Updated and embedded schema; updated data dictionary |
| 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. |
| 1.8 | Oct-20-2023 | Air Policy | Updated embedded .xsd schema and data dictionary. |

This document outlines the XML file format that is required for the submission of AMD1 Approval Contravention Form.

A summary of all air related approval contraventions is to be included in either monthly, quarterly or annual reports (depending on the frequency of reporting set out in the industrial operation’s EPEA approval).

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/system/files/custom_downloaded_images/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 |
| AerId | AER Id | No |
| FacilityName | Name of the facility | Yes |
| ReportingFrequency | By approval: Monthly, Quarterly, or Annually | Yes |
| FacilityContactName | Name of the facility contact | Yes |
| FacilityContactPhone | Phone 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 |
| Month | Name of the reporting month; e.g., January | No |
| Quarter | Quarter number as Q1, Q2, Q3, Q4 | No |
| Incidents | Collection of Incidents | Yes |
| Incident | Contains all incident reporting data | No |
| Reference | Energy & Environmental Response reference number of the operational or release issue/incident.; e.g., 123456 or AAAA1234567 | Yes |
| StartDate | Inciedent Start date and time format: YYYY-MM-DDThh:mm:ss.ttt | Yes |
| EndDate | Incident End date and time format:  YYYY-MM-DDThh:mm:ss.ttt | Yes |
| Duration | Duration hours value of contravention; e.g., 22.0 | No |
| EventLocationOrUniqueSourceIdentifier | Event location or unique source identifier; e.g., monitor 5B | No |
| ParameterCriteria | Name or criteria; e.g., SO2 | Yes |
| MeasuredOrEstimatedParameterQuantity | Measured or estimated parameter quantity; e.g., 55.6 | No |
| ParameterQuantityUnits | Parameter quantity units; e.g., kg | No |
| LimitConditionQuantity | Limit condition quality; e.g., 50.5 | No |
| LimitConditionUnits | Limit condition units; e.g., kg | No |
| LimitConditionFrequencyTimescale | Condition frequency; e.g., per hour; calendar month | No |
| MethodUsedToIdentifyTheExceedance | Method used to identify the exceedance in text; e.g., cems | No |
| CauseOfExceedance | Cause of exceedance; e.g., failure of pollution controls | No |
| BriefSummaryOfTheEvent | Summary of the event; e.g., failure of pollution controls brought about by severe process upset | Yes |
| BriefSummaryOfCompaniesInvestigation | Summary of comanys investigation; e.g., cause of upset and impact on pollution controls identified and steps taken to address and prevent in the future | Yes |
| BriefSummaryDescriptionOfTheStepsOrProcedures | Summary of steps taken; e.g., Backup equipment brought online, but still exceeded hourly limit for most of the day | No |
| BriefSummaryOfCompletedAndOngoingActions | Summary of completed and on going actions; e.g., primary pollution controls fixed and improved backup has been installed to prevent future exceedances. | No |
| SevenDayLetterSubmissionDate | Letter submission date; e.g., 2018-01-06 | Yes |

Reference Links

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