

Changes to Emissions XML Schema Version 1.2

The purpose of this document is to list the changes that have been made to the Emissions XML Schema between version 1.0 and 1.2. The document is organized in the following order:

- Changes to complex elements listed in alphabetic order
- Changes to the validation types

I. Complex Data Element

A. DailyEmissionData

- Added the element TotalCarbonBurned for reporting the total amount of carbon burned during the day. This field should only be used by sources reporting data for the RGGI program.
- Added the element UnadjustedDailyEmissions for reporting CO2 mass emissions that have not been adjusted for CO2 retained in fly ash. (This was the only change made from version 1.0 to 1.1 of the Emissions XML Schema.)
- Added an optional reference to the complex data element DailyFuelData.

B. DailyFuelData

- Added this complex data element for sources required to report data under the RGGI program. The complex data element includes the following elements: FuelCode, DailyFuelFeed, CarbonContentUsed, and FuelCarbonBurned.

C. DailyTestSummaryData

- Changed ComponentID to nillable = "true" because it is not required to be reported.

II. Validation Types

- Added minInclusiveValue and maxInclusiveValue validation to the following validation types: CalibrationErrorType, CalibrationValueType, DailyEmissionsType, FfactorType, FuelUsageTimeType, GrossCalorificValueType, HourlyValueType, MassFlowRateType, OperatingTimeType, ParameterValueForFuelType, PercentAvailableType, SummaryValueTotalType, and VolumetricFlowRateType.
- Changed CalibrationValueType from numeric (16,3) to numeric (13,4) in order to provide the correct format for reporting data.
- Added CarbonContentUsedType which is used to validate CarbonContent in DailyFuelData.

- Changed DailyEmissionsType from numeric (11,1) to numeric (10,1) in order to provide the correct format for reporting data.
- Changed FFactorType from numeric (9,1) to numeric (8,1) in order to provide the correct format for reporting data.
- Added FuelCarbonBurnedType which is used to validate FuelCarbonBurned in DailyFuelData.
- Added the enumerated value "LBSCF" to HourlyParameterFuelFlowUnitsOfMeasureCodeType.
- Added the enumerated value "53" to MODCCodeType.
- Changed SummaryValueTotalType from numeric (16,3) to numeric (13,3) in order to provide the correct format for reporting data.
- Added the enumerated value "BCO2" to SummaryValueTotalType.
- Added TotalCarbonBurnedType which is used to validate TotalCarbonBurned in DailyEmissionData.
- Added validation type OptionalFormulaIdentifierType, which applies to FormulaIdentifier in DerivedHourlyValueData and FormulaIdentifier in HourlyParameterFuelFlowData. This was done to allow hyphens.