

Check Number	Check Name	Description	Check Type	Criticality Level	Component	Data Element
120	Control Approach Minimum Measures Present	Each Control Approach component must be associated with at least one control measure. The component and all dependent data will not be stored if there are missing required data.	Present	Critical	ControlApproach	
121	Control Approach Minimum Pollutants Present	Each Control Approach component must be associated with at least one control pollutant. The component and all dependent data will not be stored if there are missing required data.	Present	Critical	ControlApproach	
244	Control Approach Comment Data Type	Maximum allowable width of 400 characters. Longer submissions may be truncated.	Format	Warning	ControlApproach	ControlApproach Comment
239	Control Approach Description Data Type	Maximum allowable width of 200 characters. Longer submissions may be truncated.	Format	Warning	ControlApproach	ControlApproach Description
115	Percent Control Approach Capture Efficiency Range	Should be greater than or equal to 0, and less than or equal to 100.0.	Range	Critical	ControlApproach	PercentControl ApproachCapture Efficiency
189	Percent Control Approach Capture Efficiency Present	The percent control approach capture efficiency should be reported when reporting the control approach component.	Present	Warning	ControlApproach	PercentControl ApproachCapture Efficiency
240	Percent Control Approach Capture Efficiency Data Type	This element must be reported as a decimal.	Format	Critical	ControlApproach	PercentControl ApproachCapture Efficiency
116	Percent Control Approach Effectiveness Range	Should be greater than or equal to 0, and less than or equal to 100.0.	Range	Critical	ControlApproach	PercentControl Approach Effectiveness
190	Percent Control Approach Effectiveness Present	The percent control approach capture effectiveness should be reported when reporting the control approach component.	Present	Warning	ControlApproach	PercentControl Approach Effectiveness
241	Percent Control Approach Effectiveness Data Type	This element must be reported as a decimal.	Format	Critical	ControlApproach	PercentControl Approach Effectiveness
534	Percent Control Measure Penetration Data Type	This element must be reported as a decimal.	Format	Critical	ControlApproach	PercentControl Approach Penetration
549	Percent Control Measure Penetration Range	Must be greater than 1.0 and less than or equal to 100.0.	Range	Critical	ControlApproach	PercentControl Approach Penetration

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790	Percent Control Measure Penetration Present	The percent control measure penetration should be reported when reporting the control approach component. The component and all dependent data will not be stored if there are missing required data.	Present	Warning	ControlApproach	PercentControl Approach Penetration
122	Control Measure Code Valid	Must match value in code list.	Code	Critical	ControlMeasure	ControlMeasure Code
227	Control Measure Code Present	The control measure code is required when reporting the control measure component. The component and all dependent data will not be stored if there are missing required data.	Present	Critical	ControlMeasure	ControlMeasure Code
850	Control Measure Cardinality	Control Measure codes must be unique within a control approach.	Cardinality	Critical	ControlMeasure	ControlMeasure Code
125	Percent Control Measures Reduction Efficiency Range	Should be greater than or equal to 0 and less than or equal to 100.	Range	Critical	ControlPollutant	PercentControl Measures Reduction Efficiency
191	Percent Control Measures Reduction Efficiency Present	The percent control measures reduction efficiency should be reported when reporting the control pollutant component.	Present	Warning	ControlPollutant	PercentControl Measures Reduction Efficiency
236	Percent Control Measures Reduction Efficiency Data Type	This element must be reported as a decimal.	Format	Critical	ControlPollutant	PercentControl Measures Reduction Efficiency
838	PM Percent Control Measure Reduction Efficiency Dependency	If both are reported, PM2.5 percent control measure reduction efficiency cannot be larger than PM10 percent control measure reduction efficiency.	Conditional	Critical	ControlPollutant	PercentControl Measures Reduction Efficiency
124	Controlled Pollutant Code Valid	Must match value in code list.	Code	Critical	ControlPollutant	PollutantCode
228	Pollutant Code Present	The pollutant code is required when reporting the control pollutant component. The component and all dependent data will not be stored if there are missing required data.	Present	Critical	ControlPollutant	PollutantCode
849	Control Pollutant Cardinality	Control pollutant codes must be unique within a control approach.	Cardinality	Critical	ControlPollutant	PollutantCode

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837	PM Control Pollutant Dependency	If there is a PM2.5 control pollutant there must be a PM10 control pollutant.	Conditional	Critical	ControlPollutant	PollutantCode
485	Emission Calculation Method Code Valid	Must match value in code list.	Code	Critical	Emissions	Emission Calculation MethodCode
486	Emission Calculation Method Code Present	Emission calculation method code is required when reporting the Emissions component. The component and all dependent data will not be stored if there are missing required data.	Present	Critical	Emissions	Emission Calculation MethodCode
480	Emission Factor Data Type	This element must be reported as a float.	Format	Critical	Emissions	EmissionFactor
611	Emission Factor Range	Must be greater than 0.	Range	Critical	Emissions	EmissionFactor
483	Emission Factor Denominator Unit of Measure Code Valid	Must match value in code list.	Code	Critical	Emissions	EmissionFactor Denominator UnitofMeasure Code
571	Emission Factor Denominator Unit of Measure Conditionally Required	If the emission factor is reported, then the emission factor denominator unit of measure is required.	Conditional	Critical	Emissions	EmissionFactor Denominator UnitofMeasure Code
482	Emission Factor Numerator Unit of Measure Code Valid	Must match value in code list.	Code	Critical	Emissions	EmissionFactor NumeratorUnitof MeasureCode
570	Emission Factor Numerator Unit of Measure Conditionally Required	If the emission factor is reported, then the emission factor numerator unit of measure is required.	Conditional	Critical	Emissions	EmissionFactor NumeratorUnitof MeasureCode
484	Emission Factor Text Data Type	Maximum allowable width of 100 characters. Longer submissions may be truncated.	Format	Warning	Emissions	EmissionFactor Text
487	Emissions Comment Data Type	Maximum allowable width of 400 characters. Longer submissions may be truncated.	Format	Warning	Emissions	Emissions Comment
476	Emissions Unit of Measure Code Valid	Must match value in code list.	Code	Critical	Emissions	EmissionsUnitof MeasureCode
479	Emissions Unit of Measure Code Present	Emissions unit of measure code is required when reporting the Emissions component. The component and all dependent data will not be stored if there are missing required data.	Present	Critical	Emissions	EmissionsUnitof MeasureCode
470	Pollutant Code Valid	Must match value in code list.	Code	Critical	Emissions	PollutantCode

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471	Pollutant Code Present for Emissions	Pollutant code is required when reporting the Emissions component. The component and all dependent data will not be stored if there are missing required data.	Present	Critical	Emissions	PollutantCode
491	Emissions for Pollutants Present	Emissions should be reported for pollutants reported in the Control Pollutants component.	Present	Warning	Emissions	PollutantCode
832	PM Primary Emissions Comparison	If PM2.5 Primary and PM10 Primary are both reported pollutants, then PM2.5 Primary should not exceed PM10 Primary based on the same reporting period.	Conditional	Warning	Emissions	PollutantCode
835	PM Filterable Emissions Comparison	If PM2.5 Filterable and PM10 Filterable are both reported pollutants, then PM2.5 Filterable should not exceed PM10 Filterable based on the same reporting period.	Conditional	Warning	Emissions	PollutantCode
836	PM2.5 Present	If PM10 is reported, then PM2.5 should be reported.	Conditional	Warning	Emissions	PollutantCode
839	PM Condensable and Filterable Dependency	If PM Condensable is reported, then PM2.5 and PM10 Filterable should be reported.	Conditional	Warning	Emissions	PollutantCode
473	Total Emissions Present	Total emissions are required when reporting the Emissions component. The component and all dependent data will not be stored if there are missing required data.	Present	Critical	Emissions	TotalEmissions
474	Total Emissions Critical Range	Must be inside the critical outlier range.	Range	Critical	Emissions	TotalEmissions
475	Total Emissions Moderate Range	Should be inside the moderate outlier range.	Range	Warning	Emissions	TotalEmissions
491	Emissions for Pollutants Present	Emissions should be reported for pollutants reported in the Control Pollutants component.	Present	Warning	Emissions	TotalEmissions
569	Total Emissions Data Type	This element must be reported as a float.	Format	Critical	Emissions	TotalEmissions
528	Excluded Location Valid	Excluded Location must be a geographical subset of the primary location.	Present	Critical	ExcludedLocation Parameter	
526	Location Comment for Excluded Location Data Type	Maximum allowable width of 400 characters. Longer submissions may be truncated.	Format	Warning	ExcludedLocation Parameter	LocationComment
522	Location Type Code for Excluded Location Valid	Must match value in code list.	Code	Critical	ExcludedLocation Parameter	LocationTypeCode
126	Location Uniqueness in XML File Submission	Report only one set of information regarding a unique location within an XML file submission. Duplicate sets of unique locations within a file submission results in file submission errors.	Cardinality	Critical	Location	

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509	Location Valid	Location must be within the geographical jurisdiction of the reporting entity.	Present	Critical	Location	
812	Unique Location for Nonpoint	The nonpoint location block must contain one combination of Tribe; State and County; State, County, and Census Block; State, County, Census Tract and Block; or State and Country.	Conditional	Critical	Location	
576	Census Block Identifier for Location Valid	Must match value in code list.	Code	Critical	Location	CensusBlock Identifier
577	Census Tract Identifier for Location Valid	Must match value in code list.	Code	Critical	Location	CensusTract Identifier
298	Location Comment Data Type	Maximum allowable width of 400 characters. Longer submissions may be truncated.	Format	Warning	Location	LocationComment
578	Shape Identifier for Location Valid	Must match a shapefile identifier that is in the EIS shape library on the EIS Gateway.	Code	Critical	Location	ShapeIdentifier
26	State and Country Code Valid	Must match value in code list.	Code	Critical	Location	StateAndCountry FIPSCode
142	State and Country FIPS Code Required for Location	If the reporting jurisdiction is for a non-US country, the StateAndCountryFIPSCode is required.	Conditional	Critical	Location	StateAndCountry FIPSCode
23	State and County FIPS Code Valid	Must match value in code list.	Code	Critical	Location	StateAndCountry FIPSCode
141	State and County FIPS Code Required for Location	If the reporting jurisdiction is for a State or County, the state and county FIPS code are required.	Conditional	Critical	Location	StateAndCountry FIPSCode
25	Tribal Code Valid	Must match value in code list.	Code	Critical	Location	TribalCode
140	Tribal Code Required for Location	If the reporting jurisdiction is for a Tribe, a Tribal code is required.	Conditional	Critical	Location	TribalCode
430	Percent Fall Activity Data Type	This element must be reported as a decimal.	Format	Critical	OperatingDetails	PercentFallActivity
431	Percent Fall Activity Range	Must be value between 0 and 100, inclusive.	Range	Critical	OperatingDetails	PercentFallActivity
449	Complete Seasonal Percentage Should Be Reported	The seasonal percentages must either all be reported or none be reported.	Conditional	Critical	OperatingDetails	PercentFallActivity
567	Complete Seasonal Percentage Range	The seasonal percentages must total 100 +/- 0.5.	Calculation	Critical	OperatingDetails	PercentFallActivity
425	Percent Spring Activity Data Type	This element must be reported as a decimal.	Format	Critical	OperatingDetails	PercentSpring Activity
426	Percent Spring Activity Range	Must be a value between 0 and 100, inclusive.	Range	Critical	OperatingDetails	PercentSpring Activity

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449	Complete Seasonal Percentage Should Be Reported	The seasonal percentages must either all be reported or none be reported.	Conditional	Critical	OperatingDetails	PercentSpring Activity
567	Complete Seasonal Percentage Range	The seasonal percentages must total 100 +/- 0.5.	Calculation	Critical	OperatingDetails	PercentSpring Activity
427	Percent Summer Activity Data Type	This element must be reported as a decimal.	Format	Critical	OperatingDetails	PercentSummer Activity
429	Percent Summer Activity Range	Must be value between 0 and 100, inclusive.	Range	Critical	OperatingDetails	PercentSummer Activity
449	Complete Seasonal Percentage Should Be Reported	The seasonal percentages must either all be reported or none be reported.	Conditional	Critical	OperatingDetails	PercentSummer Activity
567	Complete Seasonal Percentage Range	The seasonal percentages must total 100 +/- 0.5.	Calculation	Critical	OperatingDetails	PercentSummer Activity
423	Percent Winter Activity Data Type	This element must be reported as a decimal.	Format	Critical	OperatingDetails	PercentWinter Activity
424	Percent Winter Activity Range	Must be a value between 0 and 100, inclusive.	Range	Critical	OperatingDetails	PercentWinter Activity
449	Complete Seasonal Percentage Should Be Reported	The seasonal percentages must either all be reported or none be reported.	Conditional	Critical	OperatingDetails	PercentWinter Activity
567	Complete Seasonal Percentage Range	The seasonal percentages must total 100 +/- 0.5.	Calculation	Critical	OperatingDetails	PercentWinter Activity
270	Process Comment Data Type	Maximum allowable width of 400 characters. Longer submissions may be truncated.	Format	Warning	Process	ProcessComment
90	SCC Valid	Must match value in code list.	Code	Critical	Process	Source Classification Code
187	SCC Present for Process	A source classification code is required when reporting the emissions process component. The component and all dependent data will not be stored if there are missing required data.	Present	Critical	Process	Source Classification Code
220	Distinct Regulations for Emissions Process	An active regulation may only be reported once for an emissions process.	Cardinality	Critical	Regulation	
111	Agency Code Text for Regulations	If the regulatory code indicates it is a non Federal or a State program then the agency code text is required.	Conditional	Critical	Regulation	AgencyCodeText
247	Agency Code Text for Regulations Data Type	Maximum allowable width of 100 characters.	Format	Critical	Regulation	AgencyCodeText
248	Regulation Comment Data Type	Maximum allowable width of 400 characters. Longer submissions may be truncated.	Format	Warning	Regulation	Regulation Comment

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110	Regulatory Code Valid	Must match value in code list.	Code	Critical	Regulation	RegulatoryCode
111	Agency Code Text for Regulations	If the regulatory code indicates it is a non Federal or a State program then the agency code text is required.	Conditional	Critical	Regulation	RegulatoryCode
383	Calculation Parameter Value and Emissions for Reporting Period Present	Both Calculation Parameter Values and Emissions are required when reporting the ReportingPeriod component.	Present	Critical	ReportingPeriod	
550	Monthly Reporting Period Value Present	All 12 months must be submitted together.	Present	Critical	ReportingPeriod	
411	Calculation Data Source Data Type	Maximum allowable width of 100 characters. Longer submissions may be truncated.	Format	Warning	ReportingPeriod	CalculationData Source
407	Calculation Data Year Data Type	This element must be reported as an integer.	Format	Critical	ReportingPeriod	CalculationData Year
408	Calculation Data Year Range	Must be between 1900 and 2050.	Range	Critical	ReportingPeriod	CalculationData Year
402	Calculation Material Code Present	Calculation material code is required when reporting the reporting period component. The component and all dependent data will not be stored if there are missing required data.	Present	Critical	ReportingPeriod	CalculationMaterial Code
566	Calculation Parameter Type Code Valid	Must match value in code list.	Code	Critical	ReportingPeriod	CalculationMaterial Code
403	Calculation Parameter Type Code Valid	Must match value in code list.	Code	Critical	ReportingPeriod	Calculation Parameter TypeCode
404	Calculation Parameter Type Code Present	Calculation parameter type code is required when reporting the reporting period component. The component and all dependent data will not be stored if there are missing required data.	Present	Critical	ReportingPeriod	Calculation Parameter TypeCode
397	Calculation Parameter Unit of Measure Valid	Must match value in code list.	Code	Critical	ReportingPeriod	Calculation Parameter UnitofMeasure
564	Calculation Parameter Unit of Measure Present	Activity unit of measure is required when reporting the General Activity component. The component and all dependent data will not be stored if there are missing required data.	Present	Critical	ReportingPeriod	Calculation Parameter UnitofMeasure

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394	Calculation Parameter Value Data Type	This element must be reported as a float.	Format	Critical	ReportingPeriod	Calculation Parameter Value
395	Calculation Parameter Value Range	Must be greater than or equal to 0.	Range	Critical	ReportingPeriod	Calculation Parameter Value
563	Calculation Parameter Value Present	Calculation parameter value is required when reporting the reporting period component. The component and all dependent data will not be stored if there are missing required data.	Present	Critical	ReportingPeriod	Calculation Parameter Value
382	Reporting Period Comment Data Type	Maximum allowable width of 400 characters. Longer submissions may be truncated.	Format	Warning	ReportingPeriod	ReportingPeriod Comment
353	Reporting Period Type Code Valid	Must match value in code list.	Code	Critical	ReportingPeriod	ReportingPeriod TypeCode
359	5 Month Ozone Season Reporting Period Code Valid	This code can be used only for NO _x emissions.	Relationship	Critical	ReportingPeriod	ReportingPeriod TypeCode
360	Summer Day Reporting Period Code Valid	This code can be used only for NO _x , VOC, or CO emissions.	Relationship	Critical	ReportingPeriod	ReportingPeriod TypeCode
361	Emissions Value for Summer Day Reporting Period	Emissions should not be more than corresponding the annual emissions divided by 300.	Calculation	Warning	ReportingPeriod	ReportingPeriod TypeCode
364	Winter Reporting Period Code Valid	This code can be used only for carbon monoxide (CO) emissions.	Relationship	Critical	ReportingPeriod	ReportingPeriod TypeCode
809	Annual Reporting Period Cardinality Per Location	There must be exactly one annual emissions record with emission operating type code of routine for each location, process, and pollutant reported. Additional records with other reporting period type codes may also be reported.	Cardinality	Critical	ReportingPeriod	ReportingPeriod TypeCode
810	Episodic Reporting Period Cardinality Per Location	There must be no more than one episodic emissions record per day for a location, process, and pollutant.	Cardinality	Critical	ReportingPeriod	ReportingPeriod TypeCode
460	Supplemental Calculation Parameter Accepted for Fuel Combustion SCCs	The Supplemental Calculations Parameter component must be associated with a fuel combustion SCC.	Relationship	Critical	Supplemental Calculation Parameter	

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458	Supplemental Calculation Parameter Comment Data Type	Maximum allowable width of 400 characters. Longer submissions may be truncated.	Format	Warning	Supplemental Calculation Parameter	Supplemental Calculation Parameter Comment
452	Supplemental Calculation Parameter Unit of Measure Code Valid	Must match value in code list.	Code	Critical	Supplemental Calculation Parameter	Supplemental Calculation Parameter UnitOfMeasure
450	Supplemental Calculation Parameter Value Data Type	This element must be reported as a float.	Format	Critical	Supplemental Calculation Parameter	Supplemental Calculation Parameter Value
451	Supplemental Calculation Parameter Value Range	Must be greater than 0.	Range	Critical	Supplemental Calculation Parameter	Supplemental Calculation Parameter Value