

**COMPLIANCE ASSURANCE  
 MONITORING (CAM) PLAN**  
 40 Code of Federal Regulations (CFR) Part 64

Internal Use Only	
Facility ID Number:	
Permit Number:	
Date Received:	Reviewer:

For information about the CAM Rule, please refer to 40 CFR Part 64. Refer to CFR Part 64 in order to complete this form.

**Part A: SOURCE INFORMATION**

1. Source Name:			
2. Source Street Address:	City:	State:	Zip Code:
3. Source Mailing Address:	City:	State:	Zip Code:
4. Date Form Prepared: / /	5. 7 <b>DE Admin. Code</b> 1130 (Title V) State Operating Permit No. (If Known): AQM- /		
6. Technical Contact:		8. Technical Contact E-Mail:	
7. Technical Contact Phone Number: ( ) - ext.			

**Part B: BASIS OF CAM SUBMITTAL – Complete one form per Pollutant Specific Emission Unit (PSEU)**

1. Identify the Pollutant Specific Emission Unit:  
 2. Provide a description of the Pollutant Specific Emission Unit:  
 3. Mark the appropriate box below as to why this CAM Plan is being submitted:

**Initial Application (Submitted after 4/20/98):** Only large PSEUs (PSEUs with potential post control device emissions of an applicable regulated air pollutant that are equal to or greater than major source threshold levels) need to be addressed in the CAM Plan submittal. See Initial Application Procedures per 7 **DE Admin. Code** 1130 Sections 5 and 7.

**Renewal Application:** All Emission Units (Pollutant Specific Emission Units considered separately with respect to each regulated air pollutant) for which a CAM Plan has NOT yet been approved needs to be addressed in this CAM Plan submittal. See Renewal Procedures per 7 **DE Admin. Code** 1130 Section 7.3.

**Significant Modification to Large PSEUs:** Only large PSEUs (PSEUs with potential post control device emissions of an applicable regulated air pollutant that are equal to or greater than major source threshold levels) being modified after 4/20/98 need to be addressed in this CAM Plan submittal. For large PSEUs with an approved CAM Plan, only address the appropriate monitoring requirements affected by the significant modification. See Significant Modification Procedures per 7 **DE Admin. Code** 1130 Section 7.5.3.

**Part C: CAM APPLICABILITY DETERMINATION**

1. Except for the backup utility units that are exempt under 40 CFR Part 64.2(b)(2), the requirements of 40 CFR Part 64 shall apply to a pollutant specific emissions unit at a major source that is required to obtain a 7 **DE Admin. Code** 1130 (Title V) State Operating Permit if the PSEU satisfies ALL the following criteria: (See Note Below)  
 Check all that apply:

A. The PSEU is located at a major source that is required to obtain a 7 **DE Admin. Code** 1130 (Title V) State Operating Permit.

B. The PSEU is subject to an emission limitation or standard for the applicable regulated air pollutant that is not exempt. (See note below)

C. The PSEU uses an add-on control device to achieve compliance with an emission limitation or standards.

D. The PSEU has potential pre-control device emissions of the applicable regulated air pollutant that are equal to or greater than major source threshold levels: and

E. The PSEU is not an exempt backup utility power emissions unit that is municipally owned.

If you did not check B above – identify the Exempt Emission Limitation(s) or Standard(s):

*NSPS (40 CFR Part 60) or NESHAP (40 CFR Parts 61 and 63) Proposed after 11/15/1990*

Stratospheric Ozone Protection requirements

Acid Rain Program requirements

Emission limitations or standards for which a 7 **DE Admin. Code** 1130 (Title V) State Operating Permit specifies a continuous compliance determination method, as defined in the CAM Rule, Continuous Compliance Determination, §64.1

An emission cap that meets the requirements specified in 40 CFR 70.4(b)(12)

NOTE: You must meet all of the criteria identified in A through E above. In situations where the PSEU is subject to both exempt and non-exempt emission limitations and standards, the CAM rule still applies for the non-exempt emission limitation and standard. You may propose to monitor from the exempt emission limitation and standard as compliance assurance monitoring pursuant to the procedures in 40 CFR Part 64. The Department will evaluate and approve or disapprove your proposed monitoring. If you determine that you do not meet the applicability requirements of 40 CFR Part 64, you do not need to submit this application. However, you may retain this information for your records. The Department may ask for further information.

**7 DE Admin. Code 1130 (Title V) State Operating Permit  
Compliance Assurance Monitoring (CAM) Plan**

**AQM-1001EE  
(continued)**

*Instructions – The following lists selected requirements for 40 CFR Part 64 pertaining to the submittal of a Compliance Assurance Monitoring (CAM) Plan pursuant to 40 CFR Part 64. See 40 CFR Part 64 for a complete listing of requirements.*

§64.4(b) As part of the information submitted, the owner or operator shall submit a justification for the proposed elements of the monitoring. If the performance specifications proposed to satisfy §64.3(b)(2) or (3) include differences from manufacturer recommendations, the owner or operator shall explain the reasons for the differences between the requirements proposed by the owner or operator and the manufacturer’s recommendations or requirements. The owner or operator also shall submit any data supporting the justification, and may refer to generally available sources of information used to support the justification (such as generally available air pollution engineering manuals, or EPA or permitting authority publications on appropriate monitoring for various types of control devices or capture systems). To justify the appropriateness of the monitoring elements proposed, the owner or operator may rely in part on existing applicable requirements that establish the monitoring for the applicable pollutant specific emission unit or a similar unit. If an owner or operator relies on presumptively acceptable monitoring, no further justification for the appropriateness of that monitoring should be necessary other than an explanation of the applicability of such monitoring to the unit in question, unless data or information is brought forward to rebut the assumption.

§64.4(b) Presumptively acceptable monitoring includes:

§64.4(b)(1) Presumptively acceptable or required monitoring approaches, established by the permitting authority in a rule that constitutes part of the applicable implementation plan required to Title I of the Act, that are designed to achieve compliance with this part for particular pollutant specific emissions unit.

§64.4(b)(2) Continuous emission, opacity or predictive emission monitoring systems that satisfy applicable monitoring requirements and performance specifications as specified in §64.3(d).

§64.4(b)(3) Excepted or alternative monitoring methods allow or approved to 40 CFR Part 75.

§64.4(b)(4) Monitoring included for standards exempt from this part pursuant to §64.2(b)(1)(i) or (vi) to the extent such monitoring is applicable to the performance of the control device (and associated capture system) for the pollutant specific emission unit.

§64.4(b)(5) Presumptively acceptable monitoring identified in guidance by EPA. Such guidance will address the requirements under §64.4(a), (b), and (c) to the extent practicable.

§64.4(c)(1) Except as provided in paragraph available, §64.4(d), the owner or operator shall submit control device (and process and capture system, if applicable) operating parameter data obtained during the conduct of the applicable compliance or performance test conducted under conditions specified by the applicable rule. If the applicable rule does not specify testing conditions or only partially specifies test conditions, the performance test generally shall be conducted under conditions representative of maximum emissions potential under anticipated operating conditions at the pollutant specific emissions unit. Such data may be supplemented, if desired, by engineering assessments and manufacturer’s recommendations to justify the indicator ranges (or, if applicable, the procedures for establishing such indicator ranges). Emission resting is not required to be conducted over the entire indicator range or ranges of potential emissions.

§64.4(c)(2) The owner or operator must document that no changes to the pollutant specific emissions unit, including the control device and capture system, have taken place that could result in a significant change in the control system performance or the selected ranges or designated conditions for the indicators to be monitored since the performance or compliance tests were conducted.

§64.4(d)(1) If existing data from unit specific compliance or performance testing specified in §64.4(c) is not available, the owner or operator shall submit a test plan and schedule for obtaining such data in accordance with §64.4(e) or submit a request under §64.4(d)(2).

§64.4(d)(2) If existing data from unit specific compliance or performance testing specified in §64.4(c) is not available, the owner or operator may submit indicator ranges (or procedures for establishing ranges) that rely on engineering assessments and other data, provided that the owner or operator demonstrates that factors specific to the type of monitoring, control device, or pollutant specific emission unit make compliance or performance testing unnecessary to establish indicator ranges at levels that satisfy the criteria in if existing data from unit specific compliance or performance testing specified in §64.4(c) is not available, §64.3(a).

§64.4(f) If a control device is common to more than one Pollutant Specific Emissions Unit, the owner or operator may submit monitoring for the control device and identify the pollutant specific emissions units affected and any process or associated capture device conditions that must be maintained or monitored in accordance with §64.3(a) rather than submit a separate description of monitoring for each pollutant specific emissions unit.

§64.4(g) If a single Pollutant Specific Emissions Unit is controlled by more than one control device similar in design and operation, the owner or operator may submit monitoring that applies to all the control devices and identify the control devices affected and any process or associated capture device conditions that must be maintained or monitored in accordance with §64.3(a) rather than submit a separate description of monitoring for each control device.

**7 DE Admin. Code 1130 (Title V) State Operating Permit  
Compliance Assurance Monitoring (CAM) Plan**

**AQM-1001EE  
(continued)**

**Part D: BACKGROUND DATA AND INFORMATION**

THIS SECTION IS TO BE USED TO PROVIDE BACKGROUND DATA AND INFORMATION FOR EACH PSEU IN ORDER TO SUPPLEMENT THE SUBMITTAL REQUIREMENTS SPECIFIED IN 40 CFR 64.4. IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL AS **AQM-1001EE-PART D –BACKGROUND DATA AND INFORMATION**. FAILURE TO COMPLETE THIS SECTION IN ITS ENTIRETY MAY RESULT IN THE APPLICATION BEING DEEMED INCOMPLETE OR DENIED.

**PSEU Identification:**

**PSEU Description:**

POLLUTANT	CONTROL DEVICE	EMISSION LIMITATION OR STANDARD <sup>A</sup>	MONITORING REQUIREMENT <sup>B</sup>

Are any of the emission limitations and standards identified above listed as Presumptively Acceptable Monitoring pursuant to §64.4(b)? YES

If you marked "YES," please identify the emission limitations and standards:

**TESTING & MONITORING INFORMATION<sup>C</sup>**

Date of Most Recent Stack Test:	/ /	Continuous Emission Monitor(s) Used?	YES
Identification of Reference Methods:		Continuous Emission Monitor(s): If yes, identify Manufacturer, Make, Model Number	Manufacturer: Make: Model #:
Outcome of Most Recent Stack Test <sup>D</sup> :		Continuous Emission Monitor(s): If yes, identify parameter(s) monitored	

**CONTROL DEVICE OPERATING PARAMETER DATA PURSUANT TO §64.4(c)(1).<sup>E</sup>**

<p>Are you submitting control device operating parameter data conducted during a compliance or performance tests conducted under conditions specified by the applicable requirement pursuant to the requirements of §64.4(c)(1)? YES</p>	<p>If you marked "YES," provide documentation that no changes to the pollutant specific emissions unit, including the control device and capture system have taken place that could result in a significant change in the control system performance or the selected ranges or designated conditions for the indicators to be monitored since the performance or compliance tests were conducted.</p> <p><b>ATTACH AND LABEL AS AQM-1001EE-PART D – Control Device Operating Parameter Data</b></p>
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<sup>A</sup> Provide the Condition Number from the 7 **DE Admin. Code 1130** (Title V) State Operating Permit or the Regulatory Citation or restate the condition or regulatory requirement using the numbering system established in your permit. An applicable requirement is defined under 7 **DE Admin. Code 1130** Section 2. Remember to include Emission Limitations, Emission Standards, Work Practice Standards, and Operational Limitations.

<sup>B</sup> Provide the Condition Number from the 7 **DE Admin. Code 1130** (Title V) State Operating Permit or the Regulatory Citation or restate the condition or regulatory requirement using the numbering system established in your operating permit. Monitoring is defined in 7 **DE Admin. Code 1130** Section 6.1.3.

<sup>C</sup> Only complete this section if you have data that fulfills the requirement of §64.4(c).

<sup>D</sup> IT IS SUFFICIENT TO REFERENCE A PREVIOUSLY SUBMITTED REPORT.

<sup>E</sup> Only complete this section if you have data that fulfills the requirement of §64.4(c).

**Part E: CAM MONITORING APPROACH CRITERIA**

COMPLETE THIS SECTION FOR **EACH** PSEU THAT NEEDS TO BE ADDRESSED IN THIS CAM PLAN SUBMITTAL. THIS SECTION MAY BE COPIED AS NEEDED. THIS SECTION IS TO BE USED TO PROVIDE MONITORING DATA AND INFORMATION FOR **EACH** INDICATOR SELECTED FOR EACH PSEU IN ORDER TO MEET THE MONITORING DESIGN CRITERIA SPECIFIED IN 40 CFR 64.3 AND 64.4. IF MORE THAN TWO INDICATORS ARE BEING SELECTED FOR A PSEU OR IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL AS ATTACHMENT **AQM-1001EE – PART E: CAM MONITORING APPROACH CRITERIA**. WITH THE APPROPRIATE PSEU DESIGNATION, POLLUTANT, AND INDICATOR NOS. FAILURE TO COMPLETE THIS SECTION IN ITS ENTIRETY MAY RESULT IN THE APPLICATION BEING DEEMED INCOMPLETE OR DENIED.

1.a. PSEU IDENTIFICATION:	1.b. POLLUTANT:	1.c. INDICATOR NO. 1: <sup>A</sup>	1.d. INDICATOR NO. 2: <sup>A</sup>
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2.a. GENERAL CRITERIA: To provide a reasonable assurance of compliance with the emission limitations or standards for the anticipated range of operations at a PSEU per 40 CFR 64.3(a).<sup>B</sup>

	Indicator No. 1	Indicator No. 2
DESCRIBE THE <u>MONITORING APPROACH</u> USED TO MEASURE THE INDICATORS:		
ESTABLISH THE APPROPRIATE <u>INDICATOR RANGE</u> OR THE PROCEDURES FOR ESTABLISHING THE INDICATOR RANGE WHICH PROVIDES A REASONABLE ASSURANCE OF COMPLIANCE:		

2.b. PERFORMANCE CRITERIA: The owner or operator shall design the monitoring to meet the performance criteria listed in 40 CFR 64.3(b).

PROVIDE THE <u>SPECIFICATIONS FOR OBTAINING REPRESENTATIVE DATA</u> SUCH AS DETECTOR LOCATION AND INSTALLATION SPECIFICATIONS:		
PROVIDE <u>VERIFICATION PROCEDURES</u> , INCLUDING MANUFACTURER'S RECOMMENDATIONS, <u>TO CONFIRM THE OPERATIONAL STATUS</u> OF THE MONITORING FOR NEW OR MODIFIED MONITORING EQUIPMENT:		
PROVIDE QUALITY ASSURANCE AND CONTROL PRACTICES THAT ARE ADEQUATE TO ENSURE THE CONTINUING VALIDITY OF THE DATA. YOU MAY CONSIDER MANUFACTURER RECOMMENDATIONS OR REQUIREMENTS APPLICABLE TO THE MONITORING		

**Part E: CAM MONITORING APPROACH CRITERIA - CONTINUED**

COMPLETE THIS SECTION FOR **EACH** PSEU THAT NEEDS TO BE ADDRESSED IN THIS CAM PLAN SUBMITTAL. THIS SECTION MAY BE COPIED AS NEEDED. THIS SECTION IS TO BE USED TO PROVIDE MONITORING DATA AND INFORMATION FOR **EACH** INDICATOR SELECTED FOR EACH PSEU IN ORDER TO MEET THE MONITORING DESIGN CRITERIA SPECIFIED IN 40 CFR 64.3 AND 64.4. IF MORE THAN TWO INDICATORS ARE BEING SELECTED FOR A PSEU OR IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL AS ATTACHMENT **AQM-1001EE – PART E: CAM MONITORING APPROACH CRITERIA**. WITH THE APPROPRIATE PSEU DESIGNATION, POLLUTANT, AND INDICATOR NOS. FAILURE TO COMPLETE THIS SECTION IN ITS ENTIRETY MAY RESULT IN THE APPLICATION BEING DEEMED INCOMPLETE OR DENIED.

2.b. PERFORMANCE CRITERIA: The owner or operator shall design the monitoring to meet the performance criteria listed in 40 CFR 64.3(b) - CONTINUED

	Indicator No. 1	Indicator No. 2
PROVIDE THE <u>MONITORING FREQUENCY</u> : <sup>C</sup>		
PROVIDE THE <u>DATA COLLECTION PROCEDURES</u> THAT WILL BE USED. EXAMPLES INCLUDE COMPUTERIZED DATA ACQUISITION AND HANDLING, ALARM SENSOR, OR MANUAL LOG ENTRIES ON GAUGE READINGS.		
IF APPLICABLE, PROVIDE THE <u>DATA AVERAGING PERIOD</u> FOR THE PURPOSE OF DETERMINING WHETHER AN EXCURSION OR EXCEEDANCE HAS OCCURRED:		

- <sup>A</sup> INDICATOR RANGES MAY BE BASED ON A SINGLE MAXIMUM OR MINIMUM VALUE OR AT MULTIPLE LEVELS THAT ARE RELEVANT TO DISTINCTIVELY DIFFERENT OPERATING CONDITIONS, EXPRESSED AS A FUNCTION OF PROCESS VARIABLES, EXPRESSED AS MAINTAINING THE APPLICABLE INDICATOR IN A PARTICULAR OPERATIONAL STATUS OR DESIGNATED CONDITION, OR ESTABLISHED AS INTERDEPENDENT BETWEEN MORE THAN ONE INDICATOR.
- <sup>B</sup> DESCRIBE ALL INDICATORS TO BE MONITORED WHICH SATISFIES 40 CFR 64.3(a). INDICATORS OR EMISSION CONTROL PERFORMANCE FOR THE CONTROL DEVICE AND ASSOCIATED CAPTURE SYSTEM MAY INCLUDE MEASURED OR PREDICTED EMISSIONS (INCLUDING VISIBLE EMISSIONS OR OPACITY), PROCESS AND CONTROL DEVICE OPERATING PARAMETERS THAT AFFECT CONTROL DEVICE (AND CAPTURE SYSTEM) EFFICIENCY OR EMISSION RATES, OR RECORDED FINDINGS OF INSPECTION AND MAINTENANCE ACTIVITIES.
- <sup>C</sup> AT A MINIMUM, LARGE PSEUS MUST COLLECT FOUR OR MORE DATA VALUES EQUALLY SPACED OVER EACH HOUR AND THOSE VALUES AVERAGE THE VALUES, AS APPLICABLE, OVER THE APPLICABLE AVERAGING PERIOD AS DETERMINED IN ACCORDANCE WITH §64.3(B)(4)(i). FOR LARGE PSEUS, YOU MAY PROPOSE A REDUCED DATA COLLECTION FREQUENCY CONSISTENT WITH §64.3(B)(4)(ii). ALL OTHER PSEUS MUST COLLECT DATA AT LEAST ONCE PER 24-HOUR PERIOD.

**Part E: CAM MONITORING APPROACH CRITERIA – CONTINUED**

2.c. Special Criteria for the use of Continuous Emission, Opacity, or Predictive Monitoring System – CEMs, COMs, PEMs – pursuant to 40 CFR 64.3(d)

If a continuous emission monitoring system (CEMs), continuous opacity monitoring system (COMs) or predictive emission monitoring system (PEMs) is required pursuant to other authority under the Clean Air Act or state or local law, the owner or operator shall use such system to satisfy the requirements of 40 CFR 64.

Is the PSEU equipped with a CEMs, COMs, or PEMs as identified above? YES  
*Note: Refer to 40 CFR 64.2(b)(vi) which exempts emission limitations or standards for which a 7 DE Admin. Code 1130 (Title V) State Operating Permit specifies a continuous compliance determination method as defined in 40 CFR 64.1.*

If yes, does the use of a CEMs, COMs, or PEMs satisfy any of the requirements:

- Section 51.214 and Appendix P of 40 CFR Part 51
- Section 60.13 and Appendix B of 40 CFR Part 60
- Section 63.8 and any applicable performance specifications required pursuant to the applicable Subpart of 40 CFR Part 63
- 40 CFR Part 75
- Subpart H and Appendix IX of 40 CFR Part 266
- Comparable requirements and specifications established by the permitting authority

The use of a CEMs, COMs, and/or PEMs that satisfies any of the following monitoring requirements shall be deemed to satisfy the general design criteria in 40 CFR 64.3(a) and 64.3(b). A COMs may be subject to the criteria for establishing indicator ranges under 40 CFR 64.3(a).

2.d. Reporting of Exceedances: 40 CFR 64.3(d)(3)(i)

Identify the applicable requirement which requires reporting of exceedances:

If an applicable requirement does not contain a provision for establishing an averaging period for the reporting of exceedances or excursions. Identify the criteria to develop an averaging period. Must meet the criteria specified in 40 CFR 64.3(b)(4).

2.e. Indicator range for a COMS

Provide an indicator range consistent with 40 CFR 64.3(a) for a COMs used to assure compliance with a particulate mater standard. 40 CFR 64.3(d)(3)(ii)

If an opacity standard applies to the pollutant specific emission unit, such limit may be used as the appropriate indicator range unless the opacity limit fails to meet the criteria in 40 CFR 64.3(a) after considering the type of control device and other site-specific factors applicable to the PSEU. 40 CFR 64.3(d)(3)(ii)

Indicator range for a CEMs used to assure compliance with a particulate matter standard

**Part F: RATIONALE AND JUSTIFICATION**

COMPLETE THIS SECTION FOR **EACH** PSEU THAT NEEDS TO BE ADDRESSED IN THIS CAM PLAN SUBMITTAL. THIS SECTION MAY BE COPIED AS NEEDED FOR EACH PSEU. THIS SECTION IS TO BE USED TO PROVIDE RATIONALE AND JUSTIFICATION FOR THE SELECTION OF **EACH** INDICATOR AND MONITORING APPROACH AND **EACH** INDICATOR RANGE IN ORDER TO MEET THE SUBMITTAL REQUIREMENTS SPECIFIED IN 40 CFR 64.4. FAILURE TO COMPLETE THIS SECTION IN ITS ENTIRETY MAY RESULT IN THE APPLICATION BEING DEEMED INCOMPLETE OR DENIED.

1.a. PSEU IDENTIFICATION:

1.b. POLLUTANT:

2. INDICATORS AND THE MONITORING APPROACH. PROVIDE THE RATIONALE AND JUSTIFICATION FOR THE SELECTION OF THE INDICATORS AND THE MONITORING APPROACH USED TO MEASURE THE INDICATORS. ALSO PROVIDE ANY DATA SUPPORTING THE RATIONALE AND JUSTIFICATION. EXPLAIN THE REASONS FOR ANY DIFFERENCES BETWEEN THE VERIFICATION OF OPERATIONAL STATUS OF THE QUALITY ASSURANCE AND CONTROL PRACTICES PROPOSED AND THE MANUFACTURER'S RECOMMENDATIONS. TO JUSTIFY THE APPROPRIATENESS OF THE MONITORING ELEMENTS PROPOSED, THE OWNER OR OPERATOR MAY RELY IN PART ON EXISTING APPLICABLE REQUIREMENTS THAT ESTABLISH THE MONITORING FOR THE APPLICABLE POLLUTANT SPECIFIC EMISSIONS UNIT OR A SIMILAR UNIT. IF AN OWNER OR OPERATOR RELIES ON PRESUMPTIVELY ACCEPTABLE MONITORING, NO FURTHER JUSTIFICATION FOR THE APPROPRIATENESS OF THAT MONITORING SHOULD BE NECESSARY OTHER THAN AN EXPLANATION OF THE APPLICABILITY OF SUCH MONITORING TO THE UNIT IN QUESTION, UNLESS DATA OR INFORMATION IS BROUGHT FORWARD TO REBUT THE ASSUMPTION. FOR A LIST OF PRESUMPTIVELY ACCEPTABLE MONITORING SEE §64.4(b). (IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL AS **Attachment AQM-1001EE – Part F – Indicators and Monitoring Approach** WITH THE APPROPRIATE PSEU DESIGNATION AND POLLUTANT):

**Part F: RATIONALE AND JUSTIFICATION**

COMPLETE THIS SECTION FOR **EACH** PSEU THAT NEEDS TO BE ADDRESSED IN THIS CAM PLAN SUBMITTAL. THIS SECTION MAY BE COPIED AS NEEDED FOR EACH PSEU. THIS SECTION IS TO BE USED TO PROVIDE RATIONALE AND JUSTIFICATION FOR THE SELECTION OF **EACH** INDICATOR AND MONITORING APPROACH AND **EACH** INDICATOR RANGE IN ORDER TO MEET THE SUBMITTAL REQUIREMENTS SPECIFIED IN 40 CFR 64.4. FAILURE TO COMPLETE THIS SECTION IN ITS ENTIRETY MAY RESULT IN THE APPLICATION BEING DEEMED INCOMPLETE OR DENIED.

3. **INDICATOR RANGES:** PROVIDE THE RATIONALE AND JUSTIFICATION FOR THE SELECTION OF THE INDICATOR RANGES. THE RATIONALE AND JUSTIFICATION SHALL INDICATE HOW **EACH** INDICATOR RANGE WAS SELECTED BY EITHER A **COMPLIANCE OR PERFORMANCE TEST**, A **TEST PLAN AND SCHEDULE**, OR BY **ENGINEERING ASSESSMENTS**. DEPENDING ON WHICH METHOD IS BEING USED FOR EACH INDICATOR RANGE, INCLUDE THE SPECIFIC INFORMATION REQUIRED BELOW FOR THAT SPECIFIC INDICATOR RANGE. (IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL AS **Attachment AQM-1001EE – Part F – Indicator Ranges** WITH THE APPROPRIATE PSEU DESIGNATION AND POLLUTANT):

- **COMPLIANCE OR PERFORMANCE TEST(S)** (INDICATOR RANGES DETERMINED FROM CONTROL DEVICE OPERATING PARAMETER DATA OBTAINED DURING A COMPLIANCE OR PERFORMANCE TEST CONDUCTED UNDER REGULATORY SPECIFIED CONDITIONS OR UNDER CONDITIONS REPRESENTATIVE OF MAXIMUM POTENTIAL EMISSIONS UNDER ANTICIPATED OPERATING CONDITIONS. SUCH DATA MAY BE SUPPLEMENTED BY ENGINEERING ASSESSMENTS AND MANUFACTURER’S RECOMMENDATIONS). THE RATIONALE AND JUSTIFICATION SHALL **INCLUDE** A SUMMARY OF THE COMPLIANCE OR PERFORMANCE TEST RESULTS THAT WAS USED TO DETERMINE THE INDICATOR RANGE AND DOCUMENTATION INDICATING THAT NO CHANGES HAVE TAKEN PLACE THAT COULD RESULT IN A SIGNIFICANT CHANGE IN THE CONTROL SYSTEM PERFORMANCE OR THE SELECTED INDICATOR RANGES SINCE THE COMPLIANCE OR PERFORMANCE TEST WAS CONDUCTED.
- **TEST PLAN AND SCHEDULE** (INDICATOR RANGES WILL BE DETERMINED FROM A PROPOSED IMPLEMENTATION PLAN AND SCHEDULE FOR INSTALLING, TESTING AND PERFORMING ANY OTHER APPROPRIATE ACTIVITIES PRIOR TO USE OF THE MONITORING). THE RATIONALE AND JUSTIFICATION SHALL **INCLUDE** THE PROPOSED IMPLEMENTATION PLAN AND SCHEDULE THAT WILL PROVIDE FOR USE OF THE MONITORING AS EXPEDITIOUSLY AS PRACTICABLE AFTER APPROVAL OF THIS CAM PLAN, BUT IN NO CASE SHALL THE SCHEDULE FOR COMPLETING INSTALLATION AND BEGINNING OPERATION OF THE MONITORING EXCEED 180 DAYS AFTER ISSUANCE OF THE OPERATING PERMIT INCORPORATING THE CAM REQUIREMENTS.
- **ALTERNATIVELY: CONSISTENT WITH 64.4(d)(2) ENGINEERING ASSESSMENTS** (INDICATOR RANGES OR THE PROCEDURES FOR ESTABLISHING INDICATOR RANGES ARE DETERMINED FROM ENGINEERING ASSESSMENTS AND OTHER DATA, SUCH A MANUFACTURERS’ DESIGN CRITERIA AND HISTORICAL MONITORING DATA, BECAUSE FACTORS SPECIFIC TO THE TYPE OF MONITORING, CONTROL DEVICE, OR PSEU MAKE COMPLIANCE OR PERFORMANCE TESTING UNNECESSARY). THE RATIONALE AND JUSTIFICATION SHALL **INCLUDE** DOCUMENTATION DEMONSTRATING THAT COMPLIANCE TESTING IS NOT REQUIRED TO ESTABLISH THE INDICATOR RANGE.

**RATIONALE AND JUSTIFICATION:**



