

CEMS Application Completion Check

South Coast Air Quality Management District • Source Test Engineering Branch



Before you submit your CEMS Application, did you:

Identify the type of CEMS to be installed (RECLAIM, non-RECLAIM, single-dedicated CEMS, time-shared CEMS, ACEMS, FSMS)?

Identify whether this is a new CEMS, or an existing CEMS modification?

Fully identify the source(s) monitored by the CEMS and pollutants to be monitored, permitted pollutants limits, the AQMD identification (Permit-to-Construct, Permit-to-Operate, Facility ID), and attach a copy of the Permit?

Describe the process(es) monitored, expected contaminant gas concentrations and attach a drawing of the process?

Describe the exhaust stack where the CEMS will acquire a gas sample and attach a drawing?

Describe the components of the CEMS (analyzers, flow measurements, DAS, PLC, recorders), and attach a schematic drawing and vendors specification sheets?

Identify how pollutant emissions will be calculated, recorded, and reported, and the programming logic involved to meet compliance with all applicable AQMD rules and permit conditions concerning CEMS monitoring?

Supplemental sheets concerning other facility sources which will use this CEMS information?

(RECLAIM ONLY): Have you contacted Mr. George Haddad (<u>ghaddad@aqmd.gov</u>) concerning your RTU reporting obligations?

CEMS Quality Assurance Plan (QAP) to be submitted before CEMS Certification can be issued?

Facility contact information, and signed and dated by a facility representative (not a consultant or a source test lab)?

<u>The completed CEMS Application includes:</u> \Box Completed *PART 4* of this packet, plus attachments, \Box Completed CEMS Fee Processing Form *ST-400*, and a check for the appropriate basic processing fee, \Box and a cover letter briefly describing your CEMS situation.

DO NOT attach this CEMS Application, *Form ST-400*, or **CEMS fees to any other AQMD correspondence** (**Permitting submittals, etc.**). CEMS Application and Certification is handled separately from the Permitting process. This submittal must be directed to:

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT Monitoring & Analysis Division, Source Test Engineering Branch 21865 Copley Drive Diamond Bar, CA 91765-4182*

*<u>expedited FedEx, UPS, USPS or courier delivery:</u> mark envelope "Hold at Front Desk for Pick-up by Source Testing Staff (ext. 3479)"

9	South Coast	FORM ST-220AP
\leq	Air Quality Management District	-
AQMD	21865 E. Copley Drive, Diamond Bar, CA 91765-4182	
	Monitoring & Analysis Division, Source Test Engineering Branch	(909) 396-3479
	APPLICATION FOR INITIAL CERTIFICATION, OR MODIFICATION AND NON-RECLAIM CONTINUOUS EMISSIONS MONITORING SY	-
	<u>Applicant</u> : Please check all that are applicable regarding your su	bmittal:
Present Status:	\Box Currently or \Box Previously Certified \Box New(certification no date)^1Source	RECLAIM
Туре	Initial Modification / Recertification due to:	

Please fill out the requested information below, as completely as possible, and return it to the District c/o Source Test Engineering Branch. If additional space is required, attach supplementary pages to the end of this form.

 O_2

Flow

More than one (time-shared, SCEMS)

More than one <u>SOx</u> source (FSMS only):

Time-

Shared

Process Modification CEMS Modification Rule/Permit Change

FSMS

SCEMS

1. APPLICANT, COMPANY, CONTACT INFORMATION

CO

Fuel

Certification

(Dedicated)

NOx

SOx

One

Application:

Source(s)

Monitored:

Type(s) of

CEMS:

Facility ID No	:		
Facility Permit Holder	:		
Mailing Address	:		
Equipment Location (Also include Company Name if different from Business License Name listed above)	:		
Company Contacts	:	Name	Phone
		Title	E-mail Address
	:	Name	Phone
		Title	E-mail Address

(specify number)

ACEMS

¹ Be sure to attach a copy of your most recent CEMS Certification to this Application.

2. CEMS HISTORY AND REPORTING REQUIREMENTS Please provide some background concerning your CEMS proposal so that we can better determine if you are fulfilling (or overfulfilling) your CEMS monitoring obligations

a. SOURCE (OR SOURCES) MONITORED BY THIS CEMS

SOx CEMS Applicants Only: If this CEMS is an FSMS, also complete Appendix F.

EQUIPMENT 1:				
AQMD	Appl	ication/Permit No. or REC	CLAIM Device I.D.	
Description (from Application or Permit, including control equipment)	•			
Operating Rate (incl units)	:	Design	Normal	Minimum
Process Characteristic	:	Continuous		(hrs/batch) (hrs/day) or (/)
EQUIPMENT 2:				
AQMD Description (from Application or Permit, including control equipment)	Appl :	ication/Permit No. or REC	CLAIM Device I.D.	
Operating Rate (incl units)	:	Design	Normal	Minimum
Process Characteristic	:	Continuous		(hrs/batch) (hrs/day) or (/)
EQUIPMENT 3:				
AQMD Description (from Application or Permit, including control equipment)	Appl :	ication/Permit No. or REC	CLAIM Device I.D.	
Operating Rate (incl units)	:	Design	Normal	Minimum
Process Characteristic	:	Continuous		(hrs/batch) (hrs/day) or (/)

² Equipment operates on-demand, is supplemental, or is a back-up to another piece of equipment.

b. PRESENT CEMS STATUS

d.

CEMS not installed (approx: order install date:)

CEMS installed CEMS installed & Operating (date: _____

c. CEMS REPORTING REQUIREMENTS

Briefly describe what necessitated this CEMS proposal (District Rules, Permit Conditions, or self-elected) and attach a copy of the applicable part of the AQMD Facility Permit, Permit-to-Construct, or Permit-to-Operate in *Attachment 1*. (It is recommended that you thoroughly discuss your continuous monitoring requirements with your assigned AQMD Permitting Engineer to assure that you have fulfilled all of your monitoring obligations, and also to assure that you are not proposing to monitor a contaminant³ that is <u>not</u> required to be continuously monitored):

Contaminant <u>Monitored</u>	Applicable Rule or Permit Condition or "Self Elected"	Continuous Monitoring Requirement
🗌 NOx		Concentration Limit: ppm (corrected to:3%15% O ₂) Mass Emission (unit): ()
SOx		Concentration Limit: ppm (corrected to:3%15% O ₂) Mass Emission (unit): ()
Со		Concentration Limit:ppm (corrected to:3%15% O ₂) Mass Emission (unit): ()
other:		Concentration Limit:ppm (corrected to:]3%]15% O ₂) Mass Emission (unit): ()
Comments conce	erning above requirements:	
AQMD CONTA	ACTS	
Permitting Engin		(name) (phone ext)
Inspector:		(name) (phone ext)
Source Testing I		(name) (phone ext)

)

³ There is a distinction between contaminants which require continuous monitoring (CEMS), and contaminants which are required to be monitored periodically or non-continuously, such as annual CO and NOx monitoring for Permit Compliance. These distinctions aren't always clearly explained in the Permit Conditions. Be sure to contact an AQMD Permitting Engineer for clarification on what is - and what is not required before proceeding with a CEMS Application.

3. PROCESS DESCRIPTION

Briefly describe manufacturing and control processes in the space below, and include a simplified process flow diagram in *Appendix A*.

4. FUEL AND FLUE GAS INFORMATION

Please include a simplified stack diagram in Appendix B. <u>ACEMS Applicants</u>: Complete specified sections only. <u>Time-Shared CEMS Applicants</u>: Make copies of this page and list information based on individual sampling locations.

a. STACK SAMPLING DIMENSIONS (<u>ACEMS Applicants:</u> note specific requirements)		D	liameter	or Length		Width
Stack dimensions	:		ft.	in		ft. in.
Overall stack height	:			ft.		in.
CEMS probe tip distance in stack from stack wall (<u>ACEMS Applicants:</u> does not apply, leave blank)	:			ft.		in.
CEMS probe distance downstream from disturbance (ACEMS Applicants: this is the Reference Method CEMS probe distance		_		ft.		in.
CEMS probe distance upstream from disturbance (<u>ACEMS Applicants:</u> this is the <u>Reference Method</u> CEMS probe distance	:	_		ft.		in.
Reference sample port distance from CEMS probe (<u>ACEMS Applicants:</u> does not apply, leave blank)	:		ft.	ir	1.	Upstream Downstream (check)
b. ANTICIPATED FLUE OR STACK PARAM	IETERS					
Contaminant Gas : NO _x :to	ppm	S	SO _x :		to	ppm
CO : <i>to</i>	ppm	():		to	ppm
(Other gas) (): <u>to</u>	ppm	():		to	ppm
Diluent Gas : CO_2 : <u>to</u>	%		O ₂ :		to	%
(Other gas) (): <u>to</u>	%	():		to	%
Temperature: <u>to</u> °F	Static Pre	s:		te	0	" H ₂ O
Moisture: <u>to</u> %	Flowrate:			te	0	dscfm
Particulate Matter :	to					gr/dscf
c. ANTICIPATED FUEL PARAMETERS						
Fuel Type : Natural Gas (specify)						
Sulfur Content ⁴ :	to					ppm
CO ₂ ⁴ :%						
Moisture ⁴ :%	Meter Pre	es:		te	0	psig

⁴ Only applies for fuel other than natural gas.

5. CEMS DESCRIPTION Please include a simplified CEMS diagram in *Appendix C* and attach manufacturer's specification sheets. <u>ACEMS Applicants:</u> Complete only Sections 5.c. & e. and Appendix G, instead of Appendix C. <u>Time-Shared CEMS Applicants:</u> Indicate which CEMS components are shared.

a. PRINCIPLE GAS ANALYZER

Gas Monitored	Make	Model	Method of Detection (NDIR, etc.)	Proposed Range(s)	(check) ⁵ dry wet

b. PRINCIPLE FLOW MONITOR

Type: fuel flow	Make	Model	Principle (Orifice, Pitot, etc.) Description or Purpose	Proposed Range	(check) ⁶ cor unc

c. SUPPLEMENTAL COMPONENTS⁷ / PRINCIPLE ACEMS COMPONENTS

Parameter	Make	Model	Description or Purpose

d. SAMPLE ACQUISITION & CONDITIONING SYSTEM (probe, chiller, etc.)

Make	Model	Description
		(Single-Point Multiple ⁸ -Point Probe):
		(Conditioning System / Chiller):

e. DATA ACQUISITION & REPORTING EQUIPMENT (Computer, DAS, PLC, Chart Recorder etc. <u>non-RECLAIM only:</u> indicate which component will be official record).

Make	Model	Description
		(DAS):
		(PLC):
		(Software):
		(Recorder):

⁵ Specify whether reported raw gas reading will be to "*dry*" or "*wet*" conditions, excluding external corrections (If any readings are "*wet*", be sure to detail how they will be corrected to dry standard conditions in *Appendix D*).

⁶ Specify whether reported raw fuel or flue reading will be corrected "*unc*" or uncorrected "*cor*" to dry standard conditions, excluding external corrections (If readings will be "*unc*", be sure to detail how they will be corrected to dry standard conditions in *Appendix D*).

 $^{^{7}}$ Components used to augment the performance of the principle gas and flow components listed in *a*. & *b*. (temperature, pressure, and moisture correction devices, for instance).

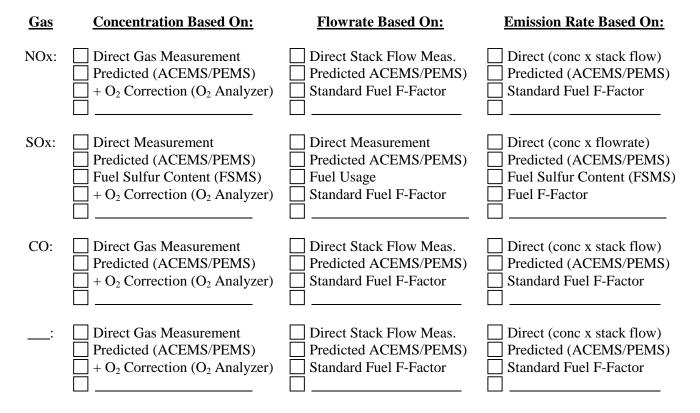
⁸ Be sure to complete Appendix C1. You must successfully bench-test this probe before CEMS Initial Approval can be granted.

6. CEMS EXPENDITURE

		Equipment & Materials	Total System as Installed
Estimated Cost of E	Equipment : \$_		\$
CEMS Contractor	:		
Address	:		
Phone	:		

7. DETERMINATION OF REQUIRED MONITORING PARAMETERS

Check below how you propose to meet applicable rule and permit condition monitoring requirements for each monitored pollutant of this CEMS. Detail, step by step in *Appendix D*, how these parameters will be applied to the final monitoring requirement by use of equations, assumptions, and calculations. (Be sure to detail how corrections will be made to dry, standard conditions, or conditions imposed by rules or permits.). Constants, factors, and/or coefficients not used in commonly accepted equations; or non-standard equations, must be submitted with full explanation and supporting documentation (historical data, etc.). Check all that apply for your particular monitoring situation:



8. COMPUTER PROGRAMMING LOGIC FOR THE PARAMETERS IN SEC. 7

Briefly describe in *Appendix E* how these parameters will be programmed into the data reduction and recording units. Use block diagrams, or a copy of recorded data if needed, to show the location in the program where constants, variables and other parameters are entered. Indicate DAS polling frequency. <u>ACEMS Applicants</u> must also discuss redundancy and/or remediation for primary parameter error or failure.

9. APPLICABLE PERMITS AND PERMIT CONDITIONS

Please attach applicable permits and permit conditions related to all basic and control equipment which will be monitored by the CEMS (Label as "*Attachment 1*", or attach to sheet provided).

10. MANUFACTURER'S OR VENDOR'S CEMS SPECIFICATIONS

Please attach manufacturer's or vendor's specification sheets for all equipment or devices which relate to the CEMS (Label as "*Attachment 2*", or attach to sheet provided).

11. QA/QC PROCEDURES

All CEMS applicants⁹ shall submit a <u>complete</u> Quality Assurance Plan (QAP) according to RECLAIM Regulation XX and Rule 218. In this Plan, you must address the on-going maintenance and contingencies necessary to assure the continued reliability of emission information. Discuss scheduled and unscheduled maintenance, contingencies for equipment/CEMS outages and modifications, recordkeeping and reporting, periodic testing, personnel responsible for assuring implementation of this Plan, etc. If you have already prepared a QAP for this CEMS, please include a copy with this Application, and label it as "*Attachment 3*". If the QAP is not yet completed, briefly describe or outline its content, and include it as "*Attachment 3*". <u>NOTE TO ALL APPLICANTS:</u> The completed QAP must be submitted, and approved before CEMS "Final Certification can be granted.

12. REMOTE TERMINAL UNIT (RTU) (RECLAIM CEMS Applicants Only)

Although not technically classified as a part of the CEMS which you have described in this Application, an approved RTU is required, pursuant to District RECLAIM RULES 2011 and 2012, to electronically report CEMS emission information to the District on a daily basis (or at an interval specified by other rules or permit conditions). Please contact Mr. George Haddad in the District's Information Management Division (IM), at (909) 396-2650 (e-mail: ghaddad@aqmd.gov) for more information regarding RTU specifications, capabilities, and approval. For our records, please indicate present RTU status:

- This proposed CEMS will use an existing RTU which is capable of connecting to the District (serves previously certified CEMS or CEMS undergoing certification, at this facility).
- There is presently no RTU installed at this facility. Part of this CEMS proposal includes RTU specifications which will be forwarded to the person listed above.

New RTU is installed and is capable of connecting to the AQMD.

⁹ Effective May 14, 1999, <u>Non-RECLAIM CEMS</u> applicants must also prepare a QAP. ACEMS applicants shall submit a QAP for each parameter measured.

13. CEMS INSTRUMENT ENCLOSURE (*Please indicate below*):

CEMS will be enclosed in an environmentally-controlled shelter with: Temperature alarm or record of exceedances of manufacturer's specified operating range.

No provisions for temperature alarm or record (Additional QA certification testing required).

CEMS shelter will <u>not</u> be environmentally-controlled (*Additional QA certification testing shall be required*).

14. NON-RECLAIM CEMS CERTIFICATION OPTIONS (<u>Non-RECLAIM CEMS Applicants</u> <u>Only</u>)

Non-RECLAIM or "Command-and-Control CEMS Applicants must indicate before Final CEMS Certification, by checking the appropriate box below, how they will certify, and maintain this CEMS (be sure to read both of these documents before deciding):

CEMS is to be reviewed and certified according to the performance specifications of Rule 218.1, and will be subject to Rule 218.1 Quality Assurance requirements.

CEMS is to be reviewed and certified according to the applicable performance specifications of 40CFR60, Appendix B, and will be subject to the Quality Assurance requirements of 40CFR60, Appendix F.

15. MULTI-POINT PROBE REQUIREMENTS (Multi-Point Probe Applicants Only)

☐ I have read and understand the procedures for "pre-certifying" the multiple-point probe for my CEMS, and the continued QA measures as described in AQMD Source Testing *Form 511*: "Multi-Point Probe Acceptance and Quality Assurance Standards, for Use in Conjunction with <u>EPA/EMTIC Guidance Document (GD)-031</u>". I understand that the completed probe benchtest report must be submitted to the AQMD for formal approval <u>before</u> the probe may be installed in the stack sampling location, and that issuance of CEMS Initial Approval will be contingent upon the successful completion of this task.

16. EXPEDITED REVIEW REQUESTED (*Read Below, Carefully, Before Requesting*)

I have read District Rule 301(y)(3) regarding the provisions for an expedited CEMS certification review, and I understand that it entails paying additional fees upon completion of this project, and that the decision to grant expedited review will be at the discretion of the Manager of the Source Testing Branch of the AQMD. <u>I also understand the limitations concerning CEMS expedited review:</u> The only processes involving CEMS Certification which can be expedited concern AQMD's responsibility to provide a prompt review and approval of <u>complete</u> CEMS Application, CEMS Test Protocol and Report, and CEMS Final Certification when these documents are submitted in a timely manner. Submittal of incomplete documentation for review, and on-site scheduling problems will still delay the review process – expedited, or not. Expedited or "fast track" CEMS review will <u>not</u> provide relief from meeting mandated Permitting and Compliance deadlines, nor will it directly affect issuance of Permit-to Operate.

I am requesting an expedited CEMS review (*Please explain briefly the time constraints or reasons for expedited request, to aid in our assessment of your request*):

17. CONFIDENTIALITY OF INFORMATION IN THIS SUBMITTAL

Do you regard any of the information included in this application as confidential?

By signing below, I certify that all of the information in this CEMS Application is accurate to the best of my knowledge, and that I have read the Non-RECLAIM certification options (if applicable) and the confidentiality of information statement, and that I concur with them.

SIGNATURE OF COMPANY REPRESENTATIVE							
SIGNATURE: _			Date:				
	(NAME)	(Title)	(Phone)	(Date)			

<u>NOTE:</u> The CEMS Certification and the Facility Permit-to-Construct processes are parallel, but separate projects. **Do not send your CEMS Applications, CEMS Fees, or other related documents to Permit Processing.** This will only lengthen the review process. Please mail or deliver your completed CEMS Application(s)/Fee(s) to:

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT	<i>C/O</i> :	Mr. Rudy Eden, Manager,
21865 Copley Drive		Source Test Engineering Branch,
Diamond Bar, CA 91765-4182		Monitoring & Analysis Division

A basic or initial application fee is due with each CEMS Application (Reference: *District Rule 301(i)(5)*, please complete attached Form *ST-400 "RECLAIM & Non-RECLAIM CEMS Plan, Application Fee Processing Form"*). A copy of this application is also available on disk, formatted for MS WORD XP or ADOBE ACROBAT. To obtain this form, please check the AQMD Website at <u>www.aqmd.gov</u>, or contact us at (909) 396-3479 (*e-mail: pberes@aqmd.gov*).

APPENDIX A

SIMPLIFIED PROCESS FLOW DIAGRAM (Reference Section 3)

Show simple flow/block diagram with basic and control equipment including the exhaust stack where the CEMS will be mounted. Be sure to include by-pass ducts, emergency venting stacks, blanked-off stacks, recirculated flows and influent or effluent flow to or from related processes.

APPENDIX B

SIMPLIFIED STACK DIAGRAM (Reference Section 4)

Show the CEMS sampling probe and reference sample port locations (top/cross-section and side views) in the exhaust stack with respect to the upstream and downstream flow disturbances (fans, dampers, transitions, change in stack cross-sectional areas, etc.). Indicate distances and dimensions for the above information. <u>ACEMS applicants</u> must show dimensionally, the location of all parametric sensors or monitors with respect to the process equipment, influent and exhaust flows, and reference method sampling locations.

APPENDIX C

(Non-ACEMS Applicants Only¹⁰)

SIMPLIFIED CEMS DIAGRAM (Reference Section 5)

Show a flow diagram indicating the routing of sample and calibration gases through the sample acquisition, transport, and conditioning units. This diagram shall include the components of the CEMS (probe, filter, heat traced line, NO_x converter, conditioning system, sample pumps, flow meters, analyzers, recorders, calibration systems, connecting lines, valves, flow and pressure regulators.) including by-pass vents. Indicate temperature, pressure, and moisture at key points.

¹⁰ <u>ACEMS Applicants:</u> Complete APPENDIX G Instead

APPENDIX C1

(Multiple-Point Probe Applicants Only)

SIMPLIFIED MULTI-POINT PROBE DIAGRAM (Reference Section 5)

Show a dimensional drawing of the proposed multiple-point probe indicating hole bore, hole spacing with respect to inside stack wall, port flange offset, and center-of-stack. Also include sample routing diagram showing audit port (required), vacuum or differential pressure gage (required), flowmeter/rotometer (required), high-volume pump, heated instrument box (if applicable), and connective tubing/valves. Remember, the multiple-point probe must be successfully bench tested according to AQMD Source Testing *Form 511*: "Multi-Point Probe Acceptance and Quality Assurance Standards, for Use in Conjunction with EPA/EMTIC Guidance Document (GD)-031" before it may be installed on the stack or duct.

Total Points:	(No. Probes:	Pts/Probe:	Bore:)
Pump Specs ¹¹ : Make/Mdl:		Flowrate:	
Sample Audit Port (required	<i>d</i>):	Yes	🗌 No
Flow meter ¹² (<i>required</i>):	Rotometer	Other Type:	
Vacuum/differential pressu	re gage ¹² (<i>required</i>):	Vacuum	Diff Press
Probe Blowback capability	(recommended):	Yes	🗌 No

¹¹ Pump flowrate must be included and be accurate because the probe assembly will be bench-tested and pre-certified at that flowrate. Use of a lower flow pump when the probe is installed on the stack will invalidate the pre-certification. ¹² The probe assembly will be bench-tested exactly as it would be configured on the stack (except for the pump as long as a similar one is

¹² The probe assembly will be bench-tested exactly as it would be configured on the stack (except for the pump as long as a similar one is used) with the vacuum/ Δp and flow devices attached. Vacuum/ Δp and flow measurements are a part of the required parameters to be recorded and documented for pre-certification, and they will be used for on-going QA demonstration.

DETERMINATION OF REQUIRED MONITORING PARAMETERS

(*Reference Section 6*)

Detail, step by step, how the parameters checked in *Section 6* will be applied to the final monitoring requirement by use of equations, assumptions, and calculations. (Be sure to detail how corrections will be made to dry, standard conditions, or conditions imposed by rules or permits). <u>ACEMS applicants</u> must include a model of the parametric monitoring system describing the relationship of each monitoring parameter, it's operating range, and redundancy; the operational limit of the process monitored; and equations, algorithms, factors, and coefficients for determining the final monitoring requirement. An electronic copy of the parametric model may also be submitted.

BRIEF DESCRIPTION OF COMPUTER PROGRAMMING LOGIC

(Reference Section 7)

Briefly describe how the parameters you described in *Section 6* will be programmed into the data reduction and recording units. Use block diagrams, or a copy of recorded data if needed, to show the location in the program where constants, variables and other parameters are entered. Also include the frequency that each monitoring parameter is polled by the DAS/PLC.

APPENDIX F

(SOx CEMS Applicants Only)

DESCRIPTION OF SOx SOURCE EQUIPMENT SERVED BY A

FUEL SULFUR MONITORING SYSTEM (FSMS)

(Reference Sections 2 and 5b.)

Supply the required information. Attach additional copies if required. If the piece of equipment is also a RECLAIM NOx Major Source, be sure to complete a separate CEMS application.

CEMS Designation:

CEMS Description:

Indicate the type of	of FSMS:		Total Sulfur Mo	nitor	SOx CEMS	
Equipmer	nt Information		Fuel	l Meter Information	on	
Equipment	Device I.D., Application, Permit No.	NOx (LGE or MAJ) ¹³	Make & Model	-		

¹³ Applicable to RECLAIM sources only.

(ACEMS Applicants Only)

SUPPLEMENTAL INFORMATION FOR "ACEMS"

(Reference Sections 2 and 5)

ACEMS INFORMATION This appendix supplements *Section 2*, and replaces Sections 5.a. and 5.b. If you require more space for completion, make additional copies of this section and attach information. Please attach manufacturer's specification sheets in *Attachment 2*

1. OPERATIONAL LIMIT OF BASIC EQUIPMENT MONITORED Specify below, the upper and lower operating limit of the BASIC EQUIPMENT (as described in *Section 2*), which the ACEMS parametric model will incorporate, and for which valid data will be produced by the ACEMS (Note: Following Final Certification, data falling outside these limits will be regarded as "MISSING DATA", so plan accordingly).

(units)

A. LOWER OPERATIONAL LIMIT:

B. UPPER OPERATIONAL LIMIT:

(units)

2. PARAMETRIC MONITORING INFORMATION (serial numbers shall be submitted when installation is completed)

Monitoring Parameter (be specific: manifold vacuum, stack	Type Sensor (e.g., thermal	Make	Model	Monitoring Range (include units)		itoring archy
temperature, etc.)	anemometer)				Primary	Secondary

PARAMETRIC MONITORING INFORMATION (CONT'D)

Monitoring Parameter (be specific: manifold vacuum, stack	Type Sensor (e.g., thermal	Make	Model	Monitoring Range (include units)	Mon Hier	itoring rarchy
temperature, etc.)	anemometer)				Primary	Secondary

ATTACHMENT 1

DISTRICT PERMITS AND CORRESPONDENCE

(Reference Sections 2 and 8)

Please attach the following information related to the basic and control equipment to be monitored, to this sheet, and label them as "<u>Attachment 1</u>":

- Applicable permits
- Other pertinent District correspondence

ATTACHMENT 2

MANUFACTURER'S AND/OR VENDOR'S SPECIFICATIONS

(Reference Section 9)

Please attach the following information related to the CEMS (analyzers, components, monitors, data acquisition and recording systems, program logic controllers, etc.), to this sheet, and label them as "Attachment 2":

- *Manufacturer's and/or vendor's technical specification sheets*
- Other pertinent CEMS information

QUALITY ASSURANCE PLAN (QAP)

(Reference Section 10)

Please attach the following information related to the CEMS QA/QC, and label it as "<u>Attachment 3</u>":

- Copy of <u>complete</u> Quality Assurance Plan (QAP) for this CEMS, or reference to Facility-wide CEMS QAP with specific QA/QC section for this CEMS attached
- If copy of QAP is unfinished/incomplete, provide brief description or outline of QAP

<u>NOTE TO ALL APPLICANTS</u>: The complete QAP must be submitted, and approved before CEMS "Final Certification can be granted.

ATTACHED FORMS

The following forms should be attached:

- <u>FORM ST-300, "CEMS Vendors List"</u> A representative list (not a complete list) of possible CEMS vendors.
- <u>FORM ST-400, "CEMS Fee Sheet"</u> Please complete the requested information, determine the basic fee charged for the CEMS Certification, Modification, or Change-of-Ownership at your facility; and attach to this submittal along with a check for the required amount.

If either of these forms are missing, you may obtain them at:

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT 21865 Copley Drive Diamond Bar, CA 91765-4182

Source Test Engineering Branch, Monitoring & Analysis Division

(909) 396-3479

RECLAIM & NON-RECLAIM CEMS PLAN, APPLICATION FEE PROCESSING FORM ST-400/0809¹ South Coast Air Quality Management District (Fees are applicable FY 08-09)

1. COMPANY INFORMATION PL	EASE COMPLETE TH	HE <u>UNSHADED</u> AR	EAS OI	F THIS FORM (FOR INSTRUCTIO	NS, SEE REV	ERSE SIDE)
LEGAL NAME OF APPLICANT:						
BUSINESS MAILING ADDRESS:						
DUSINESS MAILING ADDRESS.						
2. FACILITY INFORMATION (O) FACILITY NAME:	NE FACILITY ID PER	FORM. SEE REVE	RSE SI	DE FOR MORE INFORMATION)	Басцит	Y ID No:
FACILITY NAME:					FACILII	Y ID NO:
EQUIPMENT/FACILITY LOCATION: (IF SAME	AS MAILING ADDR	ESS, ENTER "SAM	E")			
CONTACT PERSON:		CONTACT TIT	LE:	CONT	ACT TELEPH	HONE NO:
3. CEMS PROJECT (I				(MENT & APPLICABLE BASIC PRO)	76
				COFFORM. USE ADDITIONAL SI		
BASIC EQUIPMENT DESCRIPTION	ON A	QMD ID No.		FEE INFOR		
BASIC EQUIPMENT DESCRIPTIO (EQUIPMENT MONITORED BY CEMS – FROM SCA APPLICATION OR PERMIT)		-)		MATION	ASIC FEE
(EQUIPMENT MONITORED BY CEMS - FROM SCA	MOM	-		FEE INFOR	MATION	
(EQUIPMENT MONITORED BY CEMS - FROM SCA	MOM	-		FEE INFOR	MATION	
(EQUIPMENT MONITORED BY CEMS - FROM SCA	MOM	-		FEE INFOR	MATION	
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COMPLETED BY:				
(SIGNATURE OF RES	PONSIBLE MEMBER OF ORGANIZATIC	DN)		(DATE)
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SOURCE TESTING REV 7/01/	08 : 400CEMS_I	FEES0809.DOC ¹ Includes CI	EMS Per	riodic Assessment, Modificat	ion, Change of (Ownership	² From Back Side of Form

INSTRUCTIONS FOR COMPLETION OF FEE PROCESSING FORM

Complete all of the information requested in <u>Sections 1 and 2, Company and Facility Information</u>. Be sure to include the Facility I.D. No. (from Facility Permit to Operate). If your facility has "major" equipment at more than one location and/or listed under more than one Facility I.D. No., complete one of these forms <u>for each Facility I.D. No.</u>, listing the applicable equipment information for each Facility I.D.-based location.

Refer to the TABLE below when completing <u>Section 3, CEMS Equipment Information</u>. The Basic or Minimum Fee below is the appropriate filing fee for each *Project* on this form (NOTE: Expedited projects must have AQMD approval before filing). It is an initial accounting, and you may be billed at the completion of the project for additional expenses if any CEMS Project has more components, or utilizes more evaluation time than allocated by that basic fee. Be sure to include the equipment Device I.D., Application or Permit No. (where applicable) from the Facility Permit to Operate. You may include more than one type of fee on a single form, as long as they are clearly marked as to *Project and Equipment*. Use additional sheets to list equipment, if needed, and total results.

District	CEMS Project Evaluation Fee					
Rule	Description	Basic or Minimum		Maxi	mum	
		Normal	Expedited ¹	Normal	Expedited ¹	
301(i)(5)(A) TABLE IIC, and 301(u)(3)	<u>CEMS Initial Certification</u> or <u>CEMS Modification with</u> <u>Additional Components</u> , according to the following schedule ² :					
	a. 1-2 components, any combination pollutant, diluent, flow:	\$ 3,221.17	\$ 3,221.17	\$ 5,767.36	\$ 9870.51	
	b. 3-4 components, any combination pollutant, diluent, flow:	\$ 3,878.59	\$ 3,878.59	\$ 10,613.17	\$ 18,280.11	
	c. Each additional component, beyond 4 components, add to "b." above:	+ \$ 0.00	+ \$0.00	+ \$ 2,621.66	+ \$ 3,981.56	
	 <u>Time-Shared CEMS</u> (add to applicable CEMS fee determined above): 	+ \$ 0.00	+ \$0.00	+ \$ 2,621.66	+ \$ 3,981.56	
301(i)(5)(A) TABLE IIC, and 301(u)(3)	ACEMS Initial Certification (excluding modifications)	\$ 3,221.17 ³	\$ 3,221.17	\$ 10,613.17	\$ 18,280.11	
301(i)(5)(B)(C) (D), and 301(u)(3)	<u>CEMS Modification</u> (excluding additional components) or CEMS monitored equipment, CEMS Periodic Assessment Evaluation	\$ 715.57 ⁴	\$ 715.57	\$ 4,473.88	\$ 7,118.98	
301(i)(5)(E)	<u>CEMS Change of Ownership</u> to facility document files according to the following schedule:					
	a. First CEMS	\$ 213.32				
	b. Each additional CEMS	+ \$ 42.55				

District Rule 301 and 306 Applicable CEMS Processing Fees (Amended May 2, 2008) (Fees Effective for all CEMS submittals beginning July 1, 2008)

Please return this form (signed and dated), along with the appropriate CEMS Application, Plan, Protocol, Report, Modification, or Change-of-Ownership requiring evaluation; and a check for the total fees. (You may include a single check for the total amount of all submitted fee processing forms):

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT Monitoring & Analysis Division, Source Test Engineering Branch 21865 Copley Drive Diamond Bar, CA 91765-4182

If you require help, or more forms, please contact your assigned CEMS representative, or phone (909) 396-3479.

¹ Requests for expedited evaluations must be approved by AQMD staff before filing, since expedited review is contingent upon availability of qualified staff over and above regular review scheduling. Expedited reviews shall be billed at the hourly premium of \$69.56 / hr in addition to normal hourly fees shown below, and as reflected in the expedited "Basic or Minimum Fee", payable at time of filing, and the "Maximum Fee".

² Covers up to 40 hours of evaluation time for the first two components, an additional 20 hours for the first four components, and an additional 12 hours per component beyond four. Excess time will be billed at the hourly rate of \$ 134.10 / hr, up to the maximum allowable fee.

 $^{^{3}}$ Covers up to 40 hours of evaluation time. Excess time will be billed at the hourly rate of \$ 134.10 / hr, up to the maximum allowable fee.

⁴ Covers up to 10 hours of evaluation time. Excess time will be billed at the hourly rate of \$ 134.10 / hr, up to the maximum allowable fee.