



**EMISSION REDUCTION CREDITS - CREATING NEW ERCs
APPLICATION FORM -05A**

Use this form along with APCD Form -01 to create new ERCs and to register them in the APCD’s Source Register. Pursuant to APCD Rule 806.L, fees associated with ERC applications are based on Rule 210 cost reimbursement provisions. A deposit of \$2,500 is required with the application along with an application-filing fee per Rule 210. Any permitting work (including required source tests) required as a result of this ERC application shall also be performed on a cost reimbursement basis using the deposit required by this application.

1. ERC OWNERSHIP

<u>COMPANY NAME</u>	<u>% OWNERSHIP</u>
_____	_____
_____	_____
_____	_____

2. CONTACT (to receive all correspondence and billings - please print)

Name: _____

Company: _____

Phone: _____ Fax: _____

E-Mail: _____

3. ERC SOURCE TYPE

- | | |
|--|---|
| <input type="checkbox"/> Stationary | <input type="checkbox"/> Agricultural |
| <input type="checkbox"/> Mobile | <input type="checkbox"/> Other (<i>describe</i>): |
| <input type="checkbox"/> Statutorily Exempt (non-ag) | _____ |

4. SUMMARY OF ERC CREATION

- | | |
|--|--|
| <input type="checkbox"/> Add On Controls | <input type="checkbox"/> Reduction in Throughput |
| <input type="checkbox"/> Shutdown | <input type="checkbox"/> Process Modification |
| <input type="checkbox"/> Other | |

Describe: _____

IMPORTANT NOTE: Emission reductions that occur prior to the Control Officer’s determination that the application for the Emission Reduction Credit is complete shall not be eligible as Emission Reduction Credits. No exceptions are allowed. The application will be automatically denied.

5. ERC SOURCE/FACILITY NAME

APCD Stationary Source Name: _____ No: _____

APCD Facility Name: _____ No: _____

6. ERC SOURCE INFORMATION (provide information for each emission unit. Use additional sheets if more than one emission unit is being applied for)

a. Emission Unit Name: _____

b. Detailed Emission Unit Description (include ID, mfg. make and model): _____

c. Current APCD Permit Number for this Emission Unit: _____

d. Yes No Are there any applicable RACT/SIP requirements for this emission unit? If Yes, list the Rule and the requirement(s): _____

e. Yes No Is the ERC created due to a shutdown or a reduction in throughput? If Yes, are the actual emissions greater than 25 pounds per day? Yes No

f. Yes No Are the emissions from this unit listed in your current permit? If No, please explain: _____

g. Yes No Will creation of these ERCs result in the shift in load to another emission unit?

h. Yes No Are the ERCs halogenated hydrocarbons?

i. Yes No If the ERC source is Statutorily exempt from permit, are you willing to enter into a two party contract with the APCD to ensure the ERCs are enforceable?

j. Yes No Are any part of the ERCs due to non-compliance with APCD rules (e.g., variance, breakdowns, NOV, Court Order)?

k. Yes No Are the ERCs from prior emission increases due to application of BARCT/RACT requirements which were exempt from emission offset requirements pursuant to Rule 802.B.3?

- l. Yes No Are the ERCs from a deconstruction project which was exempt from emission offset requirements pursuant to Rule 802.B.3?
- m. Yes No Have the emission reductions already occurred?
- n. Yes No If a shutdown, has the equipment subject to the shutdown previously been removed from permit?

7. ERC EMISSIONS DATA (fill out the table below for each emission unit):

Pollutant	3-Year Baseline (tons/year)	Shutdown/Reduction in Throughput Discount (tons/year)	RACT/SIP Adjustment (tons/year)	ERCs Requested for the Emission Unit (tons/year)
NOx				
ROC				
CO				
SOx				
PM ₁₀				
PM				

3-Year Baseline: The “3-Year Emission Baseline” is the actual *in the air* emissions that have been reduced due to the application of controls, shutdown, reduction in throughput or change in process. The baseline is determined from historical operating data for three years immediately preceding the date of ERC application completeness. Examples of this operating data includes: monthly fuel use, hours of operation, throughput rate, source specifications (e.g. FHC component leak path counts), raw material usage and emissions data (e.g., source test reports, CEM data). The emission factors used to calculate the baseline “uncontrolled” and “controlled” emission rates must represent the historical emission rate from the unit. For example, permitted “maximum load” emission factors may not be valid for a boiler whose historical load is only 35 percent. Source tests, CEMS or an engineering analysis may be required to ascertain the correct emission factors to use. The APCD will determine the approach for each ERC application. The “3-Year Emission Baseline” is calculated as the difference between the baseline “uncontrolled” mass emission rate and the baseline “controlled” mass emission rate. The applicant is required to provide the detailed historical operating data and the basis for the emission factors used with the application.

Shutdown/Reduction in Throughput Discount: Once the 3-year emission baseline is determined, the ERCs are discounted if they were created due to a shutdown or a reduction in throughput. At a minimum, a 20 percent discount applies. For cases where there is no applicable RACT for the pollutant and where actual emissions are greater than 25 pounds per day, the baseline is discounted by the current level of BACT for the emission unit. The application must contain calculations supporting the actual emission calculation. If applicable, supporting analysis of the applicable BACT discount must also be enclosed with the application.

RACT/SIP Adjustment: The last step is to adjust the baseline for any applicable RACT/SIP requirements for the emission unit. This ensures that the ERCs are surplus to the Clean Air Plan and is a basic requirement for approving the ERCs. The application must include the applicant RACT adjustment analysis and calculations that provide support for the value listed in the above table.

8. ATTACHMENTS

- a. Yes No Are the detailed historical operating data for three years immediately preceding the date of the ERC application enclosed?
- b. Yes No Is a detailed description of the proposed controlled and uncontrolled emission factors enclosed?
- c. Yes No If applicable, are supporting emission calculations/data provided for the shutdown/reduction in throughput discount analysis (actual emissions calculation, BACT analysis and emissions calculations)?
- d. Yes No If applicable, are supporting emission calculations/data provided for the RACT/SIP adjustment analysis (RACT analysis and emissions calculations)?
- e. Yes No Is the application filing fee enclosed?
- f. Yes No If you already have a reimbursable deposit with us, check “yes” if you wish to authorize us to use this existing deposit for your project. Otherwise, submit a new deposit per (g) below.
- g. Yes No Is the \$2,500 cost reimbursement deposit enclosed?
- h. Yes No Is APCD Form –01 enclosed along with this form?

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