

Instructions For Form ERC-1

Application to Certify and Bank Emission Reduction Credits

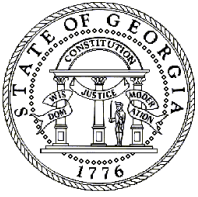
[Georgia Rules for Air Quality Control Chapter 391-3-1-.03(13)]

This form is for the use of sources that have achieved reductions in air emissions and wish to certify and bank them as Emission Reduction Credits (ERCs) in the Georgia Environmental Protection Division's ERC program. The generating source must meet the eligibility requirements for the ERC program, and the reduction in emissions must meet certain criteria established by state and federal regulations. Refer to the state regulations, Section 391-3-1-.03(13) Emission Reduction Credits, or to the fact sheet or the technical guidance document for more detailed information on the eligibility criteria for generating sources and emission reductions.

I. Generating Company Identifying Information

This section provides information to identify the source generating the emission reduction. Complete this section for all applications.

- A. **Company Name:** The name of the company generating the emission reduction.
- B. **Facility Name:** The name of the plant or facility that is generating the emission reduction.
- C. **Facility Address:** The street address of the plant or facility that is generating the emission reduction, not the corporate mailing address.
- D. **City:** The city in which the plant or facility generating the emission reduction is located.
- E. **State:** The state in which the plant or facility generating the emission reduction is located.
- F. **Zip Code:** The postal zip code for the plant or facility that is generating the emission reduction.
- G. **County:** The county in which the plant or facility generating the emission reduction is located.
- H. **AIRS No:** The unique EPA AIRS, or Aerometric Information Retrieval System, for the plant or facility that is generating the emission reduction.
- I. **SIC Code:** The primary Standard Industrial Classification Code for the plant or facility that is generating the emission reduction.



Instructions For Form ERC-1
Application to Certify and Bank Emission Reduction Credits
[Georgia Rules for Air Quality Control Chapter 391-3-1-.03(13)]

II. Owner's Identifying Information

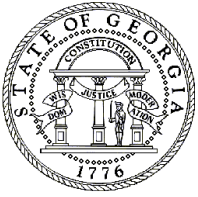
Complete this section if the holder or owner of the Emission Reduction Credits will be other than the company that is generating the emission reduction.

- A. Company Name: The name of the company holding the ERC.
- B. Mailing Address: Address where the holding company may be contacted by mail.
- C. City: The city corresponding to the holding company's mailing address.
- D. State: The state corresponding to the holding company's mailing address.
- E. Zip Code: The postal zip code corresponding to the holding company's mailing address.

III. Technical Contact Identifying Information

Use this section to provide information for the principal contact for questions regarding the validation of the emission reduction credit(s) during the Division's review of the application. This person should be able to answer technical questions pertaining to the emission reduction. Complete this section for all applications.

- A. Contact Name: Name of the principal contact for questions regarding the validation of the emission reduction credit(s).
- B. Title: Official title of the principal contact listed above.
- C. Company: Company or firm employing the principal contact.
- D. Telephone: Telephone number for the principal contact.
- E. Email: List email address to be contacted by email.
- F. Mailing Address: Address where the principal contact may be contacted by mail.
- G. City: The city corresponding to the principal contact's mailing address.
- H. State: The state corresponding to the principal contact's mailing address.
- I. Zip Code: The postal zip code corresponding to the principal contact's mailing address.

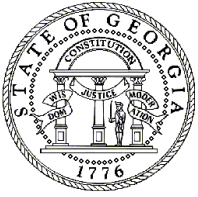


Instructions For Form ERC-1
Application to Certify and Bank Emission Reduction Credits
[Georgia Rules for Air Quality Control Chapter 391-3-1-.03(13)]

IV. Contact for Sale of Emission Reduction Credits

Use this section to provide information for the principal contact for questions regarding the transfer or sale of the Emission Reduction Credit(s). This person will be contacted by companies interested in purchasing the ERC(s) for use as offsets. Complete this section for all applications.

- A. Contact Name: Name of the principal contact for questions regarding the transfer or sale of the ERCs.
- B. Title: Official title of the principal contact listed above.
- C. Company: Company or firm employing the principal contact.
- D. Telephone: Telephone number for the principal contact.
- E. Email: Email address for the principal contact.
- F. Mailing Address: Street address or P.O. Box number where the principal contact may be contacted by mail.
- G. City: The city corresponding to the principal contact's mailing address.
- H. State: The state corresponding to the principal contact's mailing address.
- I. Zip Code: The postal zip code corresponding to the principal contact's mailing address.



Instructions For Form ERC-1
Application to Certify and Bank Emission Reduction Credits
[Georgia Rules for Air Quality Control Chapter 391-3-1-.03(13)]

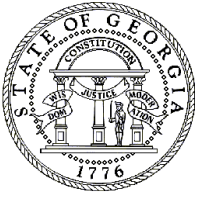
V. Reduction Activity

This section provides general information on the type of activity that is being used to generate the emission reduction. Complete this section for all applications.

- A. Shutdown: Indicate if the emission reduction is to be achieved by the shutdown of an emissions unit or the entire plant and provide the date of the shutdown.
- B. Operating Hour Curtailment: Indicate if the emission reduction is to be achieved by a reduction in current operating hours. Provide both the current operating hours and the proposed curtailed operating hours.
- C. Production Curtailment: Indicate if the emission reduction is to be achieved by a reduction in production rate. Provide both the current production rate and the proposed curtailed production rate.
- D. Pollution Control Devices: Indicate if the emission reduction is to be achieved by the installation of an air pollution control device and provide a brief description of the control device, i.e., regenerative thermal oxidizer, selective catalytic reduction, etc.
- E. Process Improvement: Indicate if the emission reduction is to be achieved by some type of process improvement, such as product substitution and provide a brief description of the process improvement.
- F. Other: Indicate if the emission reduction is to be achieved by a method not listed above and provide a brief description of the method.

VI. Process Description

Please provide a description of the process or operations which will generate the emission reduction, including emission unit ID numbers or other identifiers. Complete this section for all applications.

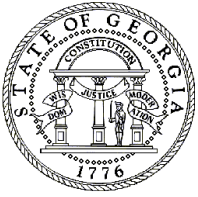


Instructions For Form ERC-1
Application to Certify and Bank Emission Reduction Credits
[Georgia Rules for Air Quality Control Chapter 391-3-1-.03(13)]

VII. Emissions Calculation Data for Reductions from an Entire Facility

Complete this section if the emission reduction is to be achieved from an entire facility rather than from individual emission units or groups of emission units. For example, a proposed limit on facility-wide emissions that is less than the current actual emissions from the facility, or the shutdown of an entire facility.

- | | |
|---|---|
| A. Date of Reduction: | Provide the date that the reduction was or will be achieved, for example, the date that a facility will permanently cease operations. |
| B. Pollutant: | Indicate whether the reduction will result in a decrease in VOC or NO _x emissions. If the reduction activity will result in decreases in both pollutants, please use a separate line for each pollutant. |
| C. Pre-change Actual Emissions: | Provide the baseline, actual emissions from the facility. Typically, the baseline consists of the average, annual emissions during the 24 month period immediately preceding the reduction activity or shutdown. These emissions should be expressed in units of tons per year. |
| D. Post-change Allowable/Potential Emissions: | Provide the allowable or potential emissions from the facility following the reduction activity. These emissions should be expressed in units of tons per year. |
| E. Calculated Reduction: | Subtract the amount in Column D from the amount in Column C (i.e., pre-change actual emissions – post-change allowable/potential emissions). This amount should be expressed in units of tons per year. |
| F. Creditable Emissions Reduction: | The amount of the value in Column E that meets all the criteria for Emission Reduction Credits, including the requirement that the reduction be <i>surplus</i> . If the entire emission reduction meets all the eligibility criteria for Emission Reduction Credits, then this amount will be the same as the value in Column E. This amount should be expressed in units of tons per year. |
| G. Method of Quantifying Emissions: | Provide a brief description of the methodology used to calculate and document the values in Columns C, D, E and F, e.g., product usage records and material balance calculations, source testing (indicate reference test method), etc. Attach copies of the calculations or test results and supporting data. |

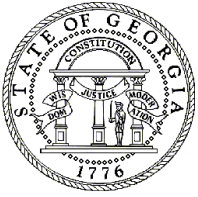


Instructions For Form ERC-1
Application to Certify and Bank Emission Reduction Credits
[Georgia Rules for Air Quality Control Chapter 391-3-1-.03(13)]

VIII. Emissions Calculation Data for Reductions from Individual Emission Units/Processes

Complete this section if the emission reduction is to be achieved from individual emission units or a group of similar emission units rather than from an overall, facility-wide reduction in emissions. For example, a reduction in VOC emissions from a printing press resulting from the installation of a catalytic oxidizer, or the reduction in VOC emissions from a surface coating line resulting from the conversion to a low-VOC coating. Use a separate row in the table for each emission unit or equipment/process group affected by the reduction activity and for each pollutant whose emissions are being reduced by the reduction activity.

- | | |
|---|--|
| A. Emission Unit ID: | Provide an identifying number or name for the emission unit or equipment/process group that is generating the emission reduction. The identifiers provided in this table should be consistent with the identifiers used for these emission units or equipment/process groups in any construction and operating permits issued to the facility. |
| B. Date of Reduction: | Provide the date that the reduction was or will be achieved, for example, the date that an emission unit will permanently cease operations or the date that an air pollution control device will commence operating. |
| C. Pollutant: | Indicate whether the reduction will result in a decrease in VOC or NO _x emissions. If the reduction activity will result in decreases in both pollutants, please use a separate line for each pollutant. |
| D. Pre-change Actual Emissions: | Provide the baseline, actual emissions from the affected emission unit(s). Typically, the baseline consists of the average, annual emissions during the 24 month period immediately preceding the reduction activity or shutdown. These emissions should be expressed in units of tons per year. |
| E. Post-change Allowable/Potential Emissions: | Provide the allowable or potential emissions from the affected emission unit(s) following the reduction activity. These emissions should be expressed in units of tons per year. |
| F. Calculated Reduction: | Subtract the amount in Column E from the amount in Column D (i.e., pre-change actual emissions – post-change allowable/potential emissions). This amount should be expressed in units of tons per year. |



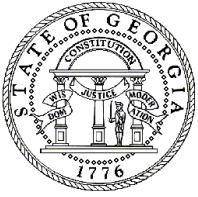
Instructions For Form ERC-1
Application to Certify and Bank Emission Reduction Credits
[Georgia Rules for Air Quality Control Chapter 391-3-1-.03(13)]

- G. Creditable Emissions Reduction: The amount of the value in Column F that meets all the criteria for Emission Reduction Credits, including the requirement that the reduction be *surplus*. If the entire emission reduction meets all the eligibility criteria for Emission Reduction Credits, then this amount will be the same as the value in Column F. This amount should be expressed in units of tons per year.
- H. Method of Quantifying Emissions: Provide a brief description of the methodology used to calculate and document the values in Columns D, E, F and G, e.g., product usage records and material balance calculations, source testing (indicate reference test method), etc. Attach copies of the calculations or test results and supporting data.

IX. Applicable Rules and Regulations for Affected Emission Units

This section of the application is intended to provide information with which the Division may evaluate the extent to which the claimed emission reductions are surplus, i.e., not required by any existing state or federal law, emission standard, permit condition or other requirement. Use the table in this section to list all relevant emission standards or limits that apply to the emission unit(s) or facility that is generating the emission reduction. Complete this section for all applications. Use one row in the table for each individual, relevant emission limit or standard that applies to the facility or emission unit(s) that are affected by the emission reduction activity.

- A. Emission Unit ID: Provide an identifying number or name for the emission unit or equipment/process group that is generating the emission reduction. The identifiers provided in this table should be consistent with the identifiers used for these emission units or equipment/process groups in any construction and operating permits issued to the facility. If the reduction is being achieved from an entire facility's operations, use an identifier such as "entire facility" or "plant-wide" in this column.
- B. Emission Limit or Standard: Provide any relevant, applicable emission limits or standards in this column; use one row for each such limit or standard.
- C. Units of Standard: Provide the units of measurement of the standard listed in Column B, e.g., tons per year, ppm per million BTU, pounds VOC per gallon of coating less water and exempt solvents, etc.
- D. Citation of Standard: Cite the underlying requirement for the emission limit or standard, e.g., PSD avoidance limit, BACT determination emission limit, Georgia Rule 391-3-1-.02(2)(ii), 40 CFR Part 63 Subpart GG, etc.



Instructions For Form ERC-1

Application to Certify and Bank Emission Reduction Credits

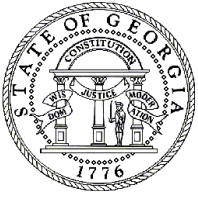
[Georgia Rules for Air Quality Control Chapter 391-3-1-.03(13)]

For example, a company seeking to claim an Emission Reduction Credit by accepting a voluntary limit on VOC emissions from a facility operating under an existing 249 ton per year PSD avoidance limit would list “Plant-wide” in Column A, 249 in Column B, tons per year in Column C, and “PSD Avoidance,” along with the permit number and condition number, in Column D.

If the emission reduction is to be generated from surface coating operations within the plant that are further subject to the high performance architectural coating standard of Georgia Rule (ii), VOC Emissions from Surface Coating of Miscellaneous Metal Parts and Products, then on the next row the application would enter the emission unit identifier for the surface coating operations in Column A, 6.2 in Column B, pounds per gallon of coating minus water in Column C, and Georgia Rule 391-3-1-.02(2)(ii)1.(iv) in Column D.

X. Certification by Responsible Official

The application for an Emission Reduction Credit certificate must be signed by an authorized representative of the company that owns or operates the facility at which the emission reduction is being generated. If this facility is a major source subject to the federal Title V operating permit program, then the signatory must meet the regulatory criteria for “Responsible Officials” listed in 40 CFR Part 70.2 (definition of “Responsible Official”). Please provide the name, title and signature of the company’s authorized representative or Responsible Official and the date on which the application was signed. Complete this section for all applications.



Instructions For Form ERC-1

Application to Certify and Bank Emission Reduction Credits

[Georgia Rules for Air Quality Control Chapter 391-3-1-.03(13)]

XI. Checklist

For all applications, please review the checklist at the end of the application to see if additional information, materials, or applications need to be submitted in coordination with the application for the Emission Reduction Credit certificate. These may include:

- Construction applications for any air pollution control devices that are being installed to achieve the emission reduction;
- Any required Part 70/Title V operating permit application forms for sources that are already operating under a Title V operating permit;
- Any Material Safety Data Sheets (MSDS) or Certified Product Data Sheets (CPDS) that may be required by the Division to verify emission reductions that are due to product substitutions;
- Any technical information needed by the Division to verify emission reductions due to the proposed installation of any air pollution control devices;
- Detailed descriptions of any plans for emission units shutdowns and/or changes in operation that will result in an emission reduction; and
- A check or money order made payable to the Georgia Department of Natural Resources in the amount of \$6,000. Applications cannot be processed until this fee is paid.