



United States  
Environmental Protection Agency  
Washington, DC 20460  
Acid Rain Program

# Thermal Energy Compliance Report

OMB No. 2060-0258  
Approval expires 11/30/2012

PLEASE TYPE OR PRINT CLEARLY IN BLACK INK  
ALL LETTERS IN UPPER-CASE, LEFT JUSTIFY  
TEXT, RIGHT JUSTIFY NUMBERS AS SHOWN.

A	B	C	
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	1	2	3
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See instructions for completing this form.

**Step 1**

Plant Name

State

Compliance Year

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Facility Account Number

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Unit ID

**Step 2**

Opt-in Source Calendar Year Thermal Energy Reduced (mmBtu)

**Step 3**

Replacement Units

A					B	C	D	E
Unit ID					Calendar Year	Actual No. of	No. of Transferable	Difference
					Replacement Thermal	Transferable	Allowances under	C - D
					Energy Output (mmBtu)	Allowances	Thermal Energy Plan	
Total for all Replacement Units								

**Step 4**

Certification

I am authorized to make this submission on behalf of the owners and operators of the affected source or affected units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete, I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

I certify that this opt-in source has not become an affected unit under 40 CFR 72.6 for the compliance year.

Signature	Date	AAR ID#
Signature	Date	AAR ID#
Signature	Date	AAR ID#
Signature	Date	AAR ID#



# Acid Rain Program

## Instructions for Thermal Energy Compliance Report (40 CFR 74.43 and 74.47)

The Acid Rain Program regulations require the designated representative to submit a Thermal Energy Compliance Report for each opt-in source that is governed by a Thermal Energy Plan.

**STEP 1** Enter the Plant Name, State, Facility Account Number, Compliance Year, and Unit ID for the opt-in source that is transferring its thermal energy to replacement units.

**STEP 2** Enter the actual amount of thermal energy (mmBtu) reduced at the opt-in source during the calendar year. Include all energy flows (steam, gas, or hot water) used for any process or heating and cooling application. The actual amount of thermal energy (mmBtu) reduced cannot exceed the difference between the opt-in source's baseline and its annual utilization (i.e., Step 2 must be  $\leq$  Step 2 from the Opt-in Utilization Report - Step 6 from the Opt-in Utilization Report).

**STEP 3 Column A:** Enter the Unit ID for each replacement unit under the approved Thermal Energy Plan.  
**Column B:** Enter the actual amount of thermal energy (mmBtu) for each replacement unit that is replacing the thermal energy at the opt-in source during the calendar year. Include all energy flows (steam, gas, or hot water) used for any process or heating and cooling application. The total amount of thermal energy (mmBtu) replaced by all replacement units must not exceed the amount reduced at the opt-in source as reported in Step 2.

**Note:** The opt-in source must document the total steam output (in mmBtu) from each replacement unit, the portion of the total steam output used in process or heating and cooling applications, and the portion used to generate electricity, and be prepared to provide a copy of these records to EPA upon request.

**Column C:** Enter the actual number of allowances that may be transferred to each replacement unit under the approved Thermal Energy Plan calculated as follows.

If the replacement unit is a boiler;

$$\text{Step 3(Column C)} = \frac{\left( \frac{\text{Step 3(Column B)}}{0.85} \right) \times \text{allowable SO}_2 \text{ emission rate}_{\text{replacement unit}}}{2000}$$

If the replacement unit is a cogenerator;

$$\text{Step 3(Column C)} = \frac{\left( \frac{\text{Step 3(Column B)}}{0.80} \right) \times \text{allowable SO}_2 \text{ emission rate}_{\text{replacement unit}}}{2000}$$

**Note:** The allowable emission rate for the replacement unit is defined in 40 CFR 74.47(a)(3)(vii).

**Column D:** Enter the number of allowances that were transferred to each replacement unit under the approved Thermal Energy Plan (Calculated in Step R-8 of the Thermal Energy Plan Form) included in the Acid Rain Permit for the opt-in source.

**Column E:** Subtract Column D from Column C and enter the difference, which is the number of allowances that will be transferred to or from the replacement unit's facility account.

**STEP 4** The designated representative of the opt-in source and the designated representative for each replacement unit must either:

1) Read the certifications, enter the date, AAR ID number, and sign this form (each designated representative may sign a copy of the original Thermal Energy Compliance Report; all of the copies with original signatures should be submitted in the same package.); or

2) Submit a cover letter with a certification statement, following the General Instructions.