United States
Environmental Protection Agency
Washington, DC 20460

Acid Rain Program

Opt-in Reduction from Improved Efficiency Confirmation Report

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

This sheet is not electronically scanned.

See instructions for completing this form.

Step 1 Plant Name

State

Compliance Year

Facility Account Number

Unit ID

Step 2 Verified Reduction from Demand Side Measures that Improve Efficiency of Electric Consumption (kWh)

Step 3 Heat Rate (mmBtu/kWh)

Step 4 Verified Reduction from Demand Side Measures that Improve Efficiency of Electric Consumption (mmBtu)

Step 5 Verified Reduction from Demand Side Measures that Improve Efficiency of Steam Consumption (mmBtu)

Step 6 Verified Reduction from Improved Steam Production Efficiency (mmBtu)

Step 7 Verified Reduction from Heat Rate Improvements (mmBtu)

Step 8 Total Verified Reduction from Improved Efficiency (mmBtu)

Make sure the documentation supporting all numbers is attached.

Step 9 Revised Annual Utilization (mmBtu)

Step 11 Estimated Average Utilization (mmBtu)

Step 12 Allowances to be Credited

Step 10 Revised Average Utilization (mmBtu)

Allowances to be Deducted

Step 13 Allowance Deduction Form Included?

☐ Yes   ☐ No

Step 14 Does the Number of Allowances Credited or Deducted Affect the Unit's Compliance Status?

☐ Yes   ☐ No

Step 15 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 where two or more opt-in sources and Phase I units Include in the confirmation reports the verified mmBtu reductions from the same specific demand side measures or improvements in heat rate or steam production efficiency, we have agreed on an apportionment of the total mmBtu reductions among such sources and have included in our confirmation reports only our respective shares of the reductions. We will make that apportionment available upon request.

Signature	Date	AAR ID#
Signature	Date	AAR ID#

EPA Form 7620-8 (Revised 12-2009)

Acid Rain Program
Instructions for Opt-in Reduction from
Improved Efficiency Confirmation Report
(40 CFR 74.43 and 74.44)

&EPA

The Acid Rain Program regulations require the designated representative to submit an Opt-in Reduction from Improved Efficiency Confirmation Report for each opt-in source that is claiming any reduction in heat input resulting in improved efficiency by July 1 of the year in which the Opt-in Utilization Report was submitted. EPA may grant, for good cause shown, an extension of time for submission.

STEP 1   Enter the Plant Name, State, Boiler Identification Number, Facility Account Number, Compliance Year, and Unit ID.

STEP 2   Enter all reductions in kWh from demand-side measures that improve efficiency of electric consumption to be verified by EPA for the calendar year for the opt-in source. Only demand-side measures at the opt-in source may be used. Attach documentation that supports these reductions, including demand-side measures in kWh. (The *EPA Conservation Verification Protocols* and T*he User's Guide to the Conservation Verification Protocols (Version 2.0)* may be used to develop the documentation.) Demand-side measures listed in Appendix A Section 1 of 40 CFR Part 73 and other measures that are not listed in Appendix A may be included.

STEP 3   Enter the heat rate for the opt-in source in mmBtu/kWh to eight decimal places. The heat rate used to convert kWh to mmBtu must be based on actual heat input divided by actual net generation by the opt-in source. Heat rate information must come from EIA form 767 or a comparable source. If the source generates no electricity, then no credit can be claimed for demand-side measures.

STEP 4   Enter the reductions in mmBtu from demand-side measures that improve efficiency of electric consumption by multiplying the kWh value reported in Step 2 by the heat rate in Step 3.

STEP 5   Enter all reductions in mmBtu from demand-side measures that improve efficiency of steam consumption to be verified by EPA for the calendar year for the opt-in source. Attach documentation that supports these reductions. (The *EPA Conservation Verification Protocols* and *The User's Guide to the Conservation Verification Protocols (Version 2.0)* may be used to develop the documentation.) Demand-side measures listed in Appendix A Section 1 of 40 CFR Part 73 and other measures that are not listed in Appendix A may be included.

STEP 6   Enter all reductions in mmBtu from improvement in the efficiency of steam production to be verified by EPA for the calendar year for the opt-in source. Attach documentation that supports these reductions. In order to claim improvements in the efficiency of steam production, the designated representative must demonstrate that the heat rate of the opt-in source has not increased since the baseline period.

STEP 7   Enter all reductions in mmBtu from improvements in heat rate to be verified by EPA for the calendar year for the opt-in source. Heat rate information must come from EIA form 767 or a comparable source. Attach documentation that supports these reductions. Supply-side measures listed in Appendix A. Section 2.1 of 40 CFR Part 73 and other measures that are not listed in Appendix A may be included.

STEP 8   Enter the total verified reduction from improved efficiency as follows.
Step 8 = Step 4 + Step 5 + Step 6 + Step 7

STEP 9   Enter the opt-in source's revised actual heat input, Revised Annual Utilization (mmBtu), for the calendar year as follows.
Step 9 = Step 3 from the Opt-in Utilization Report + Step 8

STEP 10   Enter the Revised Average Utilization (mmBtu) for the calendar year as follows. If this is the first year the source is affected under the Acid Rain Program:
Step 10 = Step 9

Otherwise:

Step 10 =

$$\frac{Step9 + (Step4(A) + Step4(B)Opt - in\ Utilization\ Report}{lesser\ of\left[\begin{array}{c}Number\ of\ months\ for\ which\\ the\ opt\text{-}in\ permit\ is\ in\ effect\end{array}or36\right]}x12$$

Calculate *Step 2 from the Opt-in Utilization Report - Step 10.*

If the result is <= 0 and Step 9 from the Opt-in Utilization Report = 0, then go to Step 15.

Otherwise, go to Step 11.

STEP 11   Enter the estimated Average Utilization (mmBtu) from Step 7 of the Opt-in Utilization Report.

STEP 12   Calculate the number of allowances to be credited to or deducted from the opt-in source's ATS account as follows.

Allowances   = number of allowances   x $\underline{\quad\quad\text{(Step 10 - Step 11)}\quad\quad\quad}$ divided by
credited/deducted allocated for the   Step 2 from the Opt-in Utilization Report
                   compliance year

If the result of this formula is < 0, enter the absolute value of the result as the number of additional allowances to be deducted.

If the result of this formula is > 0, enter the number of allowances to be credited to your account, which is the lesser of the result of this formula or the number entered in Step 10 of the Opt-in Utilization Report.

STEP 13   Check the appropriate box to indicate if you are including an Allowance Deduction form that identifies specific allowances to be deducted or credited. If you do not specify serial numbers, allowances will be deducted using first-in, first-out (FIFO), or allowances will be returned using last-out, first-in (LOFI).

STEP 14   If the opt-in source did not previously have excess emissions based on the Annual Compliance Certification for the year, but the additional allowances deducted in Step 12 now result in excess emissions for the year, or if the source previously had excess emissions, but the allowances credited in Step 12 reduce the amount of or eliminate the excess emissions, check the Yes box.

If the compliance status does not change, check the No box.

EPA will notify you concerning any additional penalty payment that you owe or refund that you will receive.

STEP 15   Read the certifications, type your name, sign, and date.