Illinois Environmental Protection Agency
Bureau of Air
MC 40, P.O. Box 19276
Springfield IL 62794-9276

APPLICATION FOR CLEAN AIR SET-ASIDE: POLLUTION CONTROL EQUIPMENT UPGRADES

APPLICATION TYPE	***FOR AGENCY USE ONLY***
☐ Initial Application ☐ Renewal Application	Date Received:
APPLYING FOR [1]	
☐ Annual allowances ☐ Seasonal allowances	CASA ID:

SECTION 1:	***PROJECT SPONSOR IDENTIFICATION***	
1) Project Sponsor:		
2) Principals Or Corporate Officials:		
3) Date Form Prepared:	4) Type Of Organization: ☐ Public ☐ Private ☐ Individual ☐ Other:_____	
5) CAIR NOx Annual Account Number:	6) CAIR NOx Seasonal Account Number:	
7) Authorized Account or Designated Representative:	8) Alternate Authorized Account or Designated Representative:	
9) Phone:	10) Email:	
Physical Location Of Project [2]		
11) Address:	12) County:	
13) City:	14) State:	15) Zip Code:

SIGNATURE BLOCK

16) "Project Sponsor" means a person or an entity, including but not limited to the owner or operator of an EGU or a not-for-profit group that provides the majority of funding for a CASA eligible project, unless another person or entity is designated by a written agreement as the project sponsor for the purposes of applying for NOx allowances from the CASA pursuant to 35 IAC 225.130.

I certify that the person or entity named in box 1 above meets the above definition of "project sponsor":
☐ YES ☐ NO

17) "I am authorized to make this submission on behalf of the project sponsor and the holder of the CAIR NOx general account or compliance account 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 application 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."

BY:

_____ _____

AUTHORIZED SIGNATURE TITLE OF SIGNATORY

_____ _____

TYPED OR PRINTED NAME OF SIGNATORY DATE

1. Complete a separate application for the request of annual or seasonal allowances.
2. The address where all correspondence shall be mailed.
3. Rounding is completed at the final calculation; for intermediate calculations record to the nearest ten thousandth (i.e., 4 places).

SECTION 2:	***PROJECT INFORMATION***	
1) Source Name:		
2) Address:		
3) City:	4) State:	5) Zip Code:

6) If this is a renewal application, have there been changes to the operation from the previous submittal?
☐ Yes ☐ No ☐ N/A **Note:** If this is a renewal application and there have been no changes to the operation from the previous submittal, only those items changing from year to year require updating.

7) Was the project installed pursuant to a result of a court order, consent decree, or Supplemental Environmental Project (SEP)? ☐ Yes ☐ No

8) Does this application aggregate more than one project? ☐ Yes ☐ No
If "Yes", complete the CASA Aggregation Address Form to detail the locations of the other sources.

9) Electric generating unit air pollution control equipment upgrade installed on:

10) Construction Date (Month/Year): 11) Operation Date (Month/Year):

12) Are the air pollution control equipment upgrades at an existing[3] coal-fired EGU? ☐ Yes ☐ No

13) Total number of allowances applied for: Annual: or Seasonal:

14) Project Sponsors of air pollution control upgrade projects are eligible for up to 15 requests for allowances from the CASA, this request is the _____ (enter request number) request.

15) Type Of Control:

☐ Baghouse
☐ Selective Non-Catalytic Reduction
☐ Selective Catalytic Reduction
☐ Flue Gas Desulfurization (FGD)
☐ Other, Describe: _____

Note: Air pollution control upgrade projects do **not** include the addition of low NOx burners, overfired air techniques, or gas reburning techniques for control of NOx emissions; projects involving flue gas conditioning techniques or upgrades, or replacement of electrostatic precipitators; or addition of activated carbon injection or other sorbent injection system for control of mercury.

16) A description of the generation unit(s) and an explanation of the pollution control system upgrade, attach additional sheets as necessary:

17) An explanation of how the electricity and emission rates were generated, measured, verified, and calculated, with supporting documentation as necessary, attach additional sheets as necessary:

SECTION 3:	***ALLOWANCE CALCULATIONS***

NOx Projects or N/A ☐		
1) Was the Pollution Control Equipment Upgrade a result of a court order or consent decree entered into before May 30, 2006? ☐ Yes ☐ No If "Yes", ERB is limited to emission rates that are lower than the emission rate required in the consent decree or court order.		
2) Was the Pollution Control Equipment Upgrade a result of a court order or consent decree entered into after May 30, 2006? ☐ Yes ☐ No If "Yes", ERB is limited to the lesser of the emission rate specified in the court order or consent decree or the actual average emission rate during the control period.		
3) ER B Baseline Year 1:	4) ER B Baseline Year 1 Emission Rate[1,2]:	lb/MWh
5) ER B Baseline Year 2:	6) ER B Baseline Year 2 Emission Rate[1,2]:	lb/MWh
7) ER B Baseline Emission Rate (Average of numbers 4 and 6):		lb/MWh
8) ER A: lb/MWh	9) Megawatt-hours generated (MWhg):	
10) Allowance Calculation: Allowances = (MWhg) x 0.1 (ER B lb/MWh - ER A lb/MWh) / 2000 lb Allowances = _____ x 0.1 (_____ lb/MWh - _____ lb/MWh) / 2000 lb Line 9 Line 7 Line 8 Allowances = _____		

SO_2 Projects or N/A ☐		
1) Was the Pollution Control Equipment Upgrade a result of a court order or consent decree entered into before May 30, 2006? ☐ Yes ☐ No If "Yes", ERB is limited to emission rates that are lower than the emission rate required in the consent decree or court order.		
2) Was the Pollution Control Equipment Upgrade a result of a court order or consent decree entered into after May 30, 2006? ☐ Yes ☐ No If "Yes", ERB is limited to the lesser of the emission rate specified in the court order or consent decree or the actual average emission rate during the control period.		
3) ER B Baseline Year 1:	4) ER B Baseline Year 1 Emission Rate[1,2]:	lb/MWh
5) ER B Baseline Year 2:	6) ER B Baseline Year 2 Emission Rate[1,2]:	lb/MWh
7) ER B Baseline Emission Rate (Average of 4 and 6):		lb/MWh
8) ER A: lb/MWh	9) Megawatt-hours generated (MWhg):	
10) Allowance Calculation: Allowances = (MWhg) x 0.05 (ER B lb/MWh - ER A lb/MWh) / 2000 lb Allowances = _____ x 0.05 (_____ lb/MWh - _____ lb/MWh) / 2000 lb Line 9 Line 7 Line 8 Allowances = _____		

Baghouse Projects or N/A ☐
1) Was the baghouse upgrade a result of a court order or consent decree? ☐ Yes ☐ No If "No", then Q for the allowance calculation in 5 below shall equal 0.2.
2) If a baghouse was installed pursuant to a consent decree or court order, did the consent decree or court order assign a Q factor? ☐ Yes ☐ No If "No", continue to number 3. If "Yes", then Q for the allowance calculation in 5 equals the factor established in the consent decree or court order not exceeding a factor of 0.2. To verify the established Q factor, provide a copy of the relevant pages in the Consent Decree or Court Order establishing the Q factor. Q factor as established in the Consent Decree or Court Order: _____ Consent Decree or Court Order Identification Number: _____
3) If a baghouse was installed pursuant to a consent decree or court order, did the consent decree or court order <u>not</u> assign a Q factor? ☐ Yes ☐ No If "No", continue to number 4. If "Yes", then Q for the allowance calculation in number 5 is determined from the formula: Q= 0.25 – (P x ERq) Was the most recent control period's average PM emission rate based on PM CEMS data? ☐ Yes; P equals 1.0 in Q factor calculation below. ☐ No; P equals 1.1 in Q factor calculation below. ERq^2 = The magnitude of most recent control period's average PM emission rate in lb/MWh exiting the baghouse, subject to the following limits: If a PM CEMS is used then: 1/10 ≤ ERq ≤ 2/10 If a PM CEMS is <u>not</u> used then: 1/11 ≤ ERq ≤ 2/11 If ERq is less than the lower limit, the lower limit shall be used. If ERq is greater than the upper limit, the upper limit shall be used. ERq: _____; To be used in Q factor calculation below. Q= 0.25 - (P x ERq) Q= 0.25 - (_____ x _____) =
4) Megawatt-hour generated (MWhg):
5) Allowance Calculation: Allowances = (MWhg) x (Q lb/MWh) / 2000 lb Allowances = _____ (Line 4) x _____ (Determined in Line 3) / 2000 lb Allowances = _____

1 Based on CEMS data.
2 Data not in lb/MWh must be converted into lb/MWh using a heat rate of 10 mmBtu / 1 MW.
3 A unit is considered "existing" after it has been in commercial operation for at least eight years.

Note: During the Ozone Season the CASA does not allow allowances for PM (baghouse) or SO_2 reduction projects.