

Opt-in Permit

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

Source: C.C. Perry K Steam Plant
Address: 366 Kentucky Avenue, Indianapolis, Indiana 46204
Operated by: Indianapolis Power and Light Company
County: Marion
ORIS Code: 0992

The above corporation is hereby authorized to operate the following facilities subject to the conditions contained herein: coke-oven gas and/or natural gas boiler, unit PK 11, producing steam.

This permit is issued to the above mentioned company under the provisions of 326 Indiana Administrative Code (IAC) 21 and 40 Code of Federal Regulations (CFR) 72 through 40 CFR 78, with conditions listed on the attached pages.

Operation Permit No.: AR 097-11658-00034	
Issued by: Janet G. McCabe, Assistant Commissioner Office of Air Management	Issuance Date: Expiration Date: December 31, 2004

Section E

Opt-in Permit

Facility Description: coke-oven gas and/or natural gas boiler, unit PK 11, producing steam
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E.1.1 Statement of Basis

Statutory and Regulatory Authorities: In accordance with IC 13-17-3-4, IC 13-17-3-11, IC 13-17-8-1, and IC 13-17-8-2 as well as Titles IV and V of the Clean Air Act, the Indiana Department of Environmental Management (IDEM), Office of Air Management (OAM) issues this permit pursuant to 326 IAC 2 and 326 IAC 21 (incorporates by reference 40 CFR 72 through 78).

E.1.2 Standard Permit Requirements [326 IAC 21]

- (a) The designated representative of each opt-in source under 40 CFR 74 and 326 IAC 21 shall:
 - (1) Submit a complete opt-in permit application (including a compliance plan); and
 - (2) Submit in a timely manner any supplemental information that the EPA Administrator or IDEM, OAM determines is necessary to review an opt-in permit application and issue or deny an opt-in permit.
- (b) The owners or operators of each combustion source under 40 CFR 74 and 326 IAC 21 shall:
 - (1) Have an opt-in permit; and
 - (2) Operate the opt-in source in compliance with the opt-in permit.
- (c) The participation by this source in the Acid Rain Program may be terminated only in accordance with 40 CFR 74.18 (withdrawal), 40 CFR 74.46 (shutdown, reconstruction, or change in affected status), and 40 CFR 74.50 (deducting allowances).
- (d) This opt-in source, if operated in accordance with this opt-in permit that governs unit PK 11, shall be deemed to be operating in compliance with the Acid Rain Program, except as provided by 40 CFR 72.9(g)(6).

E.1.3 Monitoring Requirements [326 IAC 21]

- (a) The owners and operators and, to the extent applicable, the designated representative of each combustion source and each opt-in source shall comply with the monitoring requirements as provided in 40 CFR 74 and 75.
- (b) The emissions measurements recorded and reported in accordance with 40 CFR 75 shall be used to determine compliance by the opt-in source with the Acid Rain emissions limitations and emissions reduction requirements for sulfur dioxide under the Acid Rain Program.
- (c) The requirements of 40 CFR 74 and 75 shall not affect the responsibility of the owners and operators to monitor emissions of other pollutants or other emissions characteristics at the opt-in source under other applicable requirements of the Clean Air Act and other provisions of the operating permit for the source.

E.1.4 Sulfur Dioxide Requirements [326 IAC 21]

- (a) The owners and operators of each opt-in source shall:
- (1) Hold allowances, as of the allowance transfer deadline, in the opt-in source's compliance subaccount (after deductions under 40 CFR 73.34(c)), not less than the total annual emissions of sulfur dioxide for the previous calendar year from the opt-in source; and
 - (2) Comply with the applicable Acid Rain emissions limitations for sulfur dioxide.
- (b) Each ton of sulfur dioxide emitted in excess of the Acid Rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Clean Air Act.
- (c) An opt-in source shall be subject to the requirements under paragraph (a) of the sulfur dioxide requirements upon the effective date of the opt-in source's opt-in permit.
- (d) Allowances shall be held in, deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program, including 40 CFR 73 and 74.
- (e) An allowance shall not be deducted in order to comply with the requirements under paragraph (a)(1) and (2) of the sulfur dioxide requirements prior to the calendar year for which the allowance was allocated.
- (f) An allowance allocated by the U.S. EPA Administrator under the Acid Rain Program is a limited authorization to emit sulfur dioxide in accordance with the Acid Rain Program. No provision of the Acid Rain Program, opt-in permit application, or the opt-in permit, and no provisions of the law shall be construed to limit the authority of the United States to terminate or limit such authorization.
- (g) An allowance allocated by U.S. EPA Administrator under the Acid Rain Program does not constitute a property right.
- (h) Sulfur dioxide allowances shall be allocated to the following unit at the source as follows:

Opt-in SO ₂ allowances Allocation Under 40 CFR 74.26 for Perry K Unit 11					
year	2000	2001	2002	2003	2004
Tons	434	1,796	1,796	1,796	1,796

E.1.5 Excess Emissions Requirements [40 CFR 77] [326 IAC 21]

- (a) The designated representative of any affected unit that has excess emissions in any calendar year shall submit a proposed offset plan to U.S. EPA and IDEM, OAM as required under 40 CFR 77 and 326 IAC 21.
- (b) The designated representative shall submit required information to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

Environmental Resources Mgmt. Div.
Administration Building
2700 South Belmont Ave.
Indianapolis, IN 46221

and

Ms. Cecilia Mijares
Air and Radiation Division
U.S. Environmental Protection Agency, Region V
77 West Jackson Boulevard
Chicago, IL 60604-3590

and

U.S. Environmental Protection Agency
Acid Rain Program (6204J)
Attn.: Annual Reconciliation
401 M Street, SW
Washington, DC 20460

- (c) The owners and operators of an affected unit that has excess emissions in any calendar year shall:
- (1) Pay without demand the penalty required, and upon demand the interest on that penalty to U.S. EPA, as required by 40 CFR 77 and 326 IAC 21; and
 - (2) Comply with the terms of an approved sulfur dioxide offset plan, as required by 40 CFR 77 and 326 IAC 21.

E.1.6 Record Keeping and Reporting Requirements [326 IAC 21]

- (a) Unless otherwise provided, the owners and operators of the opt-in source shall keep on site at the opt-in source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by U.S. EPA Administrator or IDEM, OAM:
- (1) The certificate of representation for the designated representative for the opt-in source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24; provided that the certificate and documents shall be retained on site at the opt-in source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative;
 - (2) All emissions monitoring information collected, in accordance with 40 CFR 75;
 - (3) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program; and
 - (4) Copies of all documents used to complete an opt-in permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program.

- (b) The designated representative of an affected source and each affected unit at the source shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR 72 Subpart I, 40 CFR 75, and 326 IAC 21.

E.1.7 Liability [326 IAC 21]

- (a) Any person who knowingly violates any requirement or prohibition of the Acid Rain Program or an opt-in permit, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement by U.S. EPA pursuant to section 113(c) of the Clean Air Act and shall be subject to enforcement by IDEM pursuant to 326 IAC 21 and IC 13-30-3.
- (b) Any person who knowingly makes a false, material statement in any record, submission, or report under the Acid Rain Program shall be subject to criminal enforcement pursuant to section 113(c) of the Clean Air Act and 18 USC 1001 and shall be subject to criminal enforcement by IDEM pursuant to 326 IAC 21 and IC 13-30-6-2.
- (c) No permit revision shall excuse any violation of the requirements of the Acid Rain Program that occurs prior to the date that the revision takes effect.
- (d) Each affected source and each affected unit shall meet the requirements of the Acid Rain Program.
- (e) Any provision of the Acid Rain Program that applies to an affected source (including a provision applicable to the designated representative of an affected source) shall also apply to the owners and operators of such source and of the affected units at the source.
- (f) Any provision of the Acid Rain Program that applies to an affected unit (including a provision applicable to the designated representative of an affected unit) shall also apply to the owners and operators of such affected unit. Except as provided under 40 CFR 72.44 (Phase II repowering extension plans) and 40 CFR 76.11 (NO_x averaging plans), and except with regard to the requirements applicable to units with a common stack under 40 CFR 75 (including 40 CFR 75.16, 75.17, and 75.18), the owners and operators and the designated representative of one affected unit shall not be liable for any violation by any other affected unit of which they are not owners or operators or the designated representative and that is located at a source of which they are not owners or operators or the designated representative.
- (g) Each violation of a provision of 40 CFR Parts 72, 73, 74, 75, 77, and 78 by an affected source or affected unit, or by an owner or operator or designated representative of such source or unit, shall be a separate violation of the Clean Air Act.

E.1.8 Effect on Other Authorities [326 IAC 21]

- (a) No provision of the Acid Rain Program, an opt-in permit application, or an opt-in permit shall be construed as:
 - (1) Except as expressly provided in Title IV of the Clean Air Act, exempting or excluding the owners and operators and, to the extent applicable, the designated representative of an affected source or affected unit from compliance with any other provision of the Clean Air Act, including the provisions of Title I of the Clean Air Act relating to applicable National Ambient Air Quality Standards or State Implementation Plans;
 - (2) Limiting the number of allowances a unit can hold; provided, that the number of allowances held by the unit shall not affect the source's obligation to comply with any other provisions of the Clean Air Act;

- (3) Requiring a change of any kind in any state law regulating electric utility rates and charges, affecting any state law regarding such state regulation, or limiting such state regulation, including any prudence review requirements under such state law;
- (4) Modifying the Federal Power Act (16 USC 791a et seq.) or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or
- (5) Interfering with or impairing any program for competitive bidding for power supply in a state in which such a program is established.



Certificate of Representation

Page 1

For more information, see instructions and refer to 40 CFR 72.24

This submission is: ☒ New ☐ Revised (revised submissions must be completed in full; see instructions)

This submission includes combustion or process sources under 40 CFR part 74 ☐

STEP 1
Identify the source by
plant name, State, and
ORIS code.

Plant Name	Perry K Steam Plant	State	IN	ORIS Code	992
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STEP 2
Enter requested
information for the
designated
representative.

Name	James O. Dillard		
Address	Indianapolis Power & Light Company 336 Kentucky Avenue Indianapolis, IN 46225		
Phone Number	(317)261-8858	Fax Number	(317)261-5042
E-mail address (if available)	jdillard@ipalco.com		

STEP 3
Enter requested
information for the
alternate designated
representative, if
applicable.

Name	Mark A. Wild		
Phone Number	(317)261-8851	Fax Number	(317)261-5042
E-mail address (if available)	mwild@ipalco.com		

STEP 4
Complete Step 5, read
the certifications, and
sign and date. For a
designated representa-
tive of a combustion or
process source under 40
CFR part 74, the refer-
ences in the certifications
to "affected unit" or
"affected units" also
apply to the combustion
or process source under
40 CFR part 74 and the
references to "affected
source" also apply to
the source at which the
combustion or process
source is located.

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the affected source and each affected unit at the source.

I certify that I have given notice of the agreement, selecting me as the 'designated representative' for the affected source and each affected unit at the source identified in this certificate of representation, in a newspaper of general circulation in the area where the source is located or in a State publication designed to give general public notice.

I certify that I have all necessary authority to carry out my duties and responsibilities under the Acid Rain Program on behalf of the owners and operators of the affected source and of each affected unit at the source and that each such owner and operator shall be fully bound by my actions, inactions, or submissions.

I certify that I shall abide by any fiduciary responsibilities imposed by the agreement by which I was selected as designated representative or alternate designated representative, as applicable.

I certify that the owners and operators of the affected source and of each affected unit at the source shall be bound by any order issued to me by the Administrator, the permitting authority, or a court regarding the source or unit.

Where there are multiple holders of a legal or equitable title to, or a leasehold interest in, an affected unit, or where a utility or industrial customer purchases power from an affected unit under life-of-the-unit, firm power contractual arrangements, I certify that:

I have given a written notice of my selection as the designated representative or alternate designated representative, as applicable, and of the agreement by which I was selected to each owner and operator of the affected source and of each affected unit at the source; and

Allowances and the proceeds of transactions involving allowances will be deemed to be held or distributed in proportion to each holder's legal, equitable, leasehold, or contractual reservation or entitlement or, if such multiple holders have expressly provided for a different distribution of allowances by contract, that allowances and the proceeds of transactions involving allowances will be deemed to be held or distributed in accordance with the contract.

The agreement by which I was selected as the alternate designated representative, if applicable, includes a procedure for the owners and operators of the source and affected units at the source to authorize the alternate designated representative to act in lieu of the designated representative.

Plant Name (from Step 1)	Perry K Steam Plant
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Certificate - Page 2

Page 1 of 1

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.

Signature (designated representative)	<i>James O. Ballard</i>	Date	9/29/98
Signature (alternate designated representative)	<i>Mark A. Wild</i>	Date	9/29/98

STEP 5
Provide the name of every owner and operator of the source and identify each affected unit (or combustion or process source) they own and/or operate.

Name					<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Operator	
Indianapolis Power & Light Company						
ID# 11	ID# 13	ID# 14	ID#	ID#	ID#	ID#
ID#	ID#	ID#	ID#	ID#	ID#	ID#

Name					<input type="checkbox"/> Owner <input type="checkbox"/> Operator	
ID#	ID#	ID#	ID#	ID#	ID#	ID#
ID#	ID#	ID#	ID#	ID#	ID#	ID#

Name					<input type="checkbox"/> Owner <input type="checkbox"/> Operator	
ID#	ID#	ID#	ID#	ID#	ID#	ID#
ID#	ID#	ID#	ID#	ID#	ID#	ID#

Name					<input type="checkbox"/> Owner <input type="checkbox"/> Operator	
ID#	ID#	ID#	ID#	ID#	ID#	ID#
ID#	ID#	ID#	ID#	ID#	ID#	ID#



INDIANAPOLIS POWER & LIGHT COMPANY
August 17, 2000

Via Certified Mail

U.S. Environmental Protection Agency
Clean Air Markets Division (6204J)
ATTN: Designated Representative
1200 Pennsylvania Avenue, NW
Washington, D.C. 20460

RE: C.C. Perry K Plant - ORIS 0992
Revision to Certificate of Representation

Dear Sir or Madam:

Enclosed please find one (1) original plus one (1) copy of the revised Certificate of Representation for the above referenced plant.

On or about November 1, 2000, the sale of the C.C. Perry K Plant to Citizens Gas and Coke Utility will be complete. This revision is submitted to reflect a change in the owner/operator of the plant. Additionally, please remove the listed ADR for this plant, Mr. Mark Wild, from the database. A new ADR will be selected and the appropriate notifications and revisions to the Certificate of Representation made.

Please contact Ann McIver at (317) 261-5998 if you or your staff have questions concerning this matter.

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.

Respectfully,

A handwritten signature in black ink, appearing to read "James O. Dillard", is written over a horizontal line.

James O. Dillard,
Designated Representative

cc: Ms. Cecilia Mijares, U.S. EPA, Region V
Ms. Janet McCabe, IDEM

United States
Environmental Protection Agency
Acid Rain Program

OMB No. 2060-0258



Certificate of Representation

Page 1

For more information, see instructions and refer to 40 CFR 72.24

This submission is: ☐ New ☒ Revised (revised submissions must be completed in full; see instructions)

This submission includes combustion or process sources under 40 CFR part 74 ☐

STEP 1
Identify the source by
plant name, State, and
ORIS code.

Plant Name	Perry K Steam Plant	State	IN	ORIS Code	992
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STEP 2
Enter requested
information for the
designated
representative.

Name		James O. Dillard	
Address			
336 Kentucky Avenue Indianapolis, IN 46225			
Phone Number	(317) 261-8858	Fax Number	(317) 261-5042
E-mail address (if available)			
jdillard@ipalco.com			

STEP 3
Enter requested
information for the
alternate designated
representative, if
applicable.

Name		
Phone Number		Fax Number
E-mail address (if available)		

STEP 4
Complete Step 5, read
the certifications, and
sign and date. For a
designated representa-
tive of a combustion or
process source under 40
CFR part 74, the refer-
ences in the certifications
to "affected unit" or
"affected units" also
apply to the combustion
or process source under
40 CFR part 74 and the
references to "affected
source" also apply to
the source at which the
combustion or process
source is located.

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the affected source and each affected unit at the source.

I certify that I have given notice of the agreement, selecting me as the 'designated representative' for the affected source and each affected unit at the source identified in this certificate of representation, in a newspaper of general circulation in the area where the source is located or in a State publication designed to give general public notice.

I certify that I have all necessary authority to carry out my duties and responsibilities under the Acid Rain Program on behalf of the owners and operators of the affected source and of each affected unit at the source and that each such owner and operator shall be fully bound by my actions, inactions, or submissions.

I certify that I shall abide by any fiduciary responsibilities imposed by the agreement by which I was selected as designated representative or alternate designated representative, as applicable.

I certify that the owners and operators of the affected source and of each affected unit at the source shall be bound by any order issued to me by the Administrator, the permitting authority, or a court regarding the source or unit.

Where there are multiple holders of a legal or equitable title to, or a leasehold interest in, an affected unit, or where a utility or industrial customer purchases power from an affected unit under life-of-the-unit, firm power contractual arrangements, I certify that:

I have given a written notice of my selection as the designated representative or alternate designated representative, as applicable, and of the agreement by which I was selected to each owner and operator of the affected source and of each affected unit at the source; and

Allowances and the proceeds of transactions involving allowances will be deemed to be held or distributed in proportion to each holder's legal, equitable, leasehold, or contractual reservation or entitlement or, if such multiple holders have expressly provided for a different distribution of allowances by contract, that allowances and the proceeds of transactions involving allowances will be held or distributed in accordance with the contract.

The agreement by which I was selected as the alternate designated representative, if applicable, includes a procedure for the owners and operators of the source and affected units at the source to authorize the alternate designated representative to act in lieu of the designated representative.

Plant Name (from Step 1) Perry K Steam Plant

Certificate - Page 2

Page **2** of **2**

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.

Signature (designated representative)	Date 8/17/00
Signature (alternate designated representative)	Date

STEP 5
Provide the name of every owner and operator of the source and identify each affected unit (or combustion or process source) they own and/or operate.

Name Citizens Gas and Coke Utility					<input checked="" type="checkbox"/> Owner	<input checked="" type="checkbox"/> Operator
ID# 11	ID# 13	ID# 14	ID#	ID#	ID#	ID#
ID#	ID#	ID#	ID#	ID#	ID#	ID#

Name					<input type="checkbox"/> Owner	<input type="checkbox"/> Operator
ID#	ID#	ID#	ID#	ID#	ID#	ID#
ID#	ID#	ID#	ID#	ID#	ID#	ID#

Name					<input type="checkbox"/> Owner	<input type="checkbox"/> Operator
ID#	ID#	ID#	ID#	ID#	ID#	ID#
ID#	ID#	ID#	ID#	ID#	ID#	ID#

Name					<input type="checkbox"/> Owner	<input type="checkbox"/> Operator
ID#	ID#	ID#	ID#	ID#	ID#	ID#
ID#	ID#	ID#	ID#	ID#	ID#	ID#



Opt-In Permit Application

Page 1

For more information, see instructions and refer to 40 CFR 74.16

STEP 1
Identify the facility by plant name, State, ORIS code from NADB (if known), and operator's name.

Plant Name C.C. Perry K Steam Plant	State Indiana	ORIS Code 0992
Operating Company Name Indianapolis Power & Light Company		

STEP 2
Identify the combustion source by unique ID number and short name assigned by the operating company.

Combustion Source ID# 11	Short Name PK 11
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STEP 3
Enter the requested information on the location of the source.

Plant Site Address 366 Kentucky Avenue Indianapolis, Indiana		
County Marion	Latitude 86 10 00	Longitude 39 45 44
Plant Mailing Address Indianapolis Power & Light Company 366 Kentucky Avenue Indianapolis, Indiana 46204		

STEP 4
Check the appropriate box.

Has the combustion source previously participated in the Opt-in Program?
☐ Yes ☒ No

If Yes, enter the effective date of the most recent opt-in permit →

mm/dd/yy

STEP 5
Briefly describe the combustion source and the facility. Attach the required information.

General facility description Steam Plant
Combustion source description Coke-oven gas (COG) and/or Natural Gas boiler which supplies steam

☒ A diagram showing the configuration of the combustion source and the facility is attached.

Plant Name (from Step 1) C.C. Perry K

Combustion Source ID# 11

STEP 6
Indicate whether the combustion source has SO₂ controls.

☐ Scrubber

☐ Other Controls (specify):

☒ Uncontrolled

STEP 7
Check the top box and the second or third box and attach the required information.

☒ Two copies of a complete Monitoring Plan (as required by 40 CFR parts 74 and 75) are attached.

☐ A completed Certificate of Representation is attached.

☒ A completed Certificate of Representation has been previously submitted.

STEP 8
Specify the compliance plan for the combustion source. Check the second box to identify an additional method of compliance.

☒ Hold allowances in accordance with 40 CFR 72.9(c)(1).

☐ A Thermal Energy Plan is attached. This combustion source seeks to transfer allowances to one or more replacement units for the replacement of thermal energy.

STEP 9
Provide the required information on the operating history of the combustion source. Indicate that the required documentation is attached.

Date the combustion source commenced operation _____

08/38 mm/yy

Number of hours the combustion source operated during the six months immediately preceding this application _____

4077 hrs

Preceding six months of operation _____

Start

06/99 mm/yy

End (Date of Application)

11/99 mm/yy

☒ Data supporting determination of operating hours are attached.

STEP 10
Identify the time period for which the baseline data is provided.

☒ Baseline 1985 -1987

☐ Alternative Baseline, beginning with _____

year

☐ Combustion source began operation after 1985.

☐ Combustion source was subject to natural catastrophe during 1985-1987.
Documentation of natural catastrophe is attached.

STEP 11
Complete and attach one worksheet for each type of fuel used at the combustion source.

Number of completed worksheets attached _____

2 worksheets

Plant Name (from Step 1) C.C. Perry K

Combustion Source ID# 11

STEP 12
For each fuel type used at the combustion source, indicate that a worksheet is attached, enter the total 1985 (or first year) fuel consumption from the bottom row of the worksheet, and enter the average of the total fuel consumption for the three operating years from the bottom row of the worksheet. Enter the SO₂ emissions for the first operating year from each worksheet.

Fuel Type	Total 1985 (or first year) Fuel Consumption	Average Annual Fuel Consumption	SO ₂ Emissions for 1985 (or first year)
<input checked="" type="checkbox"/> Bituminous Coal	2,026,508 mmBtu	1,710,018 mmBtu	9,517,580 lbs
<input type="checkbox"/> Subbituminous Coal	mmBtu	mmBtu	lbs
<input type="checkbox"/> Lignite Coal	mmBtu	mmBtu	lbs
<input type="checkbox"/> Distillate Oil	mmBtu	mmBtu	lbs
<input type="checkbox"/> Residual Oil	mmBtu	mmBtu	lbs
<input checked="" type="checkbox"/> Natural Gas	0 mmBtu	mmBtu	0 lbs
<input type="checkbox"/> Other (describe):	mmBtu	mmBtu	lbs
<input type="checkbox"/> Other (describe):	mmBtu	mmBtu	lbs

STEP 13
Enter the total 1985 (or first year) fuel consumption, the total average annual fuel consumption, and the total 1985 (or first year) actual SO₂ emissions for all fuels used.

(a) Total 1985 (or first year) Fuel Consumption	(b) Total Average Annual Fuel Consumption (Baseline)	(c) Total SO ₂ Emissions for 1985 (or first year)
2,026,508 mmBtu	1,710,018 mmBtu	9,517,580 lbs

STEP 14
Calculate the actual 1985 (or first year) SO₂ emissions rate.

$$\begin{array}{ccc}
 \text{Total SO}_2 \text{ Emissions for 1985 (or first year)} & \div & \text{Total 1985 (or first year) Fuel Consumption} \\
 \boxed{9,517,580 \text{ lbs}} & & \boxed{2,026,508 \text{ mmBtu}} \\
 & & = \\
 & & \boxed{4.7 \text{ lbs/mmBtu}}
 \end{array}$$

Actual 1985 (or first year) SO₂ Emissions Rate

C.C. Perry K	
Plant Name (from Step 1)	Combustion Source ID# 11

STEP 15
Enter information
for the 1985
(or first year)
allowable SO₂
emissions rate.

	Limit	Units of Measure	Averaging Period
Regulatory Limit	6.0	Lb/MMBtu	30-day rolling
Conversion Factor	X		
Converted Rate	= 6.0	lbs/mmBtu	
Annualization Factor	X	1.00	
Annualized Rate	= 6.0	lbs/mmBtu	

STEP 16
Enter the current
allowable SO₂
emissions rate.

	Limit	Units of Measure	Averaging Period
Regulatory Limit	2.1	Lb/MMBtu	30-day rolling
Conversion Factor	X		
Converted Rate	= 2.1	lbs/mmBtu	

STEP 17
Enter the current
promulgated SO₂
emissions limit,
if different
from the current
allowable SO₂
emissions rate.

	Limit	Units of Measure	Averaging Period
Regulatory Limit			
Conversion Factor	X		
Converted Rate	=	lbs/mmBtu	

STEP 18
Identify the regu-
latory citations
for the SO₂
emissions
limits in
Steps 15-17.

Regulatory Limit	Effective Date	Regulatory Citation and Name of Permitting Authority
1985 (1st yr) Allowable (Step 15)	pre-1984	325 IAC 7-1, Indianapolis ERMD and Indiana Dept. of Environmental Management (IDEM)
Current Allowable (Step 16)	6/2/90	326 IAC 7-4-2(29), Indianapolis ERMD and IDEM
Current Promulgated (Step 17)		

C.C. Perry K
Plant Name (from Step 1)

Combustion Source ID# 11

STEP 19
Calculate and enter the proposed allowances for the combustion source.

Baseline (Step 13(b))		Lowest of 3 SO ₂ Emission Rates		Proposed Allowances
1,710,018 mmBtu	X	2.1 lbs/mmBtu	÷ 2,000 =	1796 allowances

STEP 20
Calculate and enter the proposed allowances for the combustion source, if the current promulgated SO₂ emissions limit differs from the current allowable SO₂ emissions rate.

Baseline (Step 13(b))		Lowest of 4 SO ₂ Emission Rates		Proposed Allowances
mmBtu	X	lbs/mmBtu	÷ 2,000 =	allowances

STEP 21
Read the Opt-in Program requirements and certifications, and sign and date.

Opt-in Program Requirements

Permit Requirements.

- (1) The designated representative of each combustion source under 40 CFR part 74 shall:
 - (i) Submit a complete opt-in permit application (including a compliance plan);
 - (ii) Submit in a timely manner any supplemental information that the Administrator or the permitting authority determines is necessary to review an opt-in permit application and issue or deny an opt-in permit;
- (2) The owners and operators of each combustion source under 40 CFR part 74 shall:
 - (i) Have an opt-in permit; and
 - (ii) Operate the opt-in source in compliance with the opt-in permit.

Monitoring Requirements.

- (1) The owners and operators and, to the extent applicable, the designated representative of each combustion source and each opt-in source shall comply with the monitoring requirements of 40 CFR parts 74 and 75.
- (2) The emissions measurements recorded and reported in accordance with 40 CFR part 75 shall be used to determine compliance by the opt-in source with the Acid Rain emissions limitations and emissions reduction requirements for sulfur dioxide under the Acid Rain Program.
- (3) The requirements of 40 CFR parts 74 and 75 shall not affect the responsibility of the owners and operators to monitor emissions of other pollutants or other emissions characteristics at the opt-in source under other applicable requirements of the Act and other provisions of the operating permit for the source.

Sulfur Dioxide Requirements.

- (1) The owners and operators of each opt-in source shall:
 - (i) Hold allowances, as of the allowance transfer deadline, in the opt-in source's compliance subaccount (after deductions under 40 CFR 73.34(c)) not less than the total annual emissions of sulfur dioxide for the previous calendar year from the opt-in source; and
 - (ii) Comply with the applicable Acid Rain emissions limitations for sulfur dioxide.
- (2) Each ton of sulfur dioxide emitted in excess of the Acid Rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Act.
- (3) An opt-in source shall be subject to the requirements under paragraph (1) of the sulfur dioxide requirements upon the effective date of the opt-in source's opt-in permit.
- (4) Allowances shall be held in, deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program, including 40 CFR parts 73 and 74.
- (5) An allowance shall not be deducted in order to comply with the requirements under paragraph (1) of the sulfur dioxide requirements prior to the calendar year for which the allowance was allocated.
- (6) An allowance allocated by the Administrator under the Acid Rain Program is a limited authorization to emit sulfur dioxide in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the opt-in permit application, or the opt-in permit, and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.
- (7) An allowance allocated by the Administrator under the Acid Rain Program does not constitute a property right.

Excess Emissions Requirements.

- (1) The designated representative of an affected unit that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR part 77.
- (2) The owners and operators of an affected unit that has excess emissions in any calendar year shall:
 - (i) Pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR part 77; and
 - (ii) Comply with the terms of an approved offset plan, as required by 40 CFR part 77.

C.C. Perry K

Plant Name (from Step 1)

Combustion Source ID# 11

Recordkeeping and Reporting Requirements.

(1) Unless otherwise provided, the owners and operators of the opt-in source shall keep on site at the opt-in source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of the 5 years, in writing by the Administrator or permitting authority:

- (i) The certificate of representation for the designated representative for the opt-in source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24, provided that the certificate and documents shall be retained on site at the opt-in source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative;
- (ii) All emissions monitoring information, in accordance with 40 CFR part 75;
- (iii) Copies of all reports, compliance certifications, and other submissions, and all records made or required under the Acid Rain Program; and
- (iv) Copies of all documents used to complete an opt-in permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program.

(2) The designated representative of an affected source and each affected unit at the source shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR part 72 subpart I and 40 CFR part 75.

Liability.

- (1) Any person who knowingly violates any requirement or prohibition of the Acid Rain Program or an opt-in permit, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement pursuant to section 113(c) of the Act.
- (2) Any person who knowingly makes a false, material statement in any record, submission, or report under the Acid Rain Program shall be subject to criminal enforcement pursuant to section 113(c) of the Act and 18 U.S.C. 1001.
- (3) No permit revision shall excuse any violation of the requirements of the Acid Rain Program that occurs prior to the date that the revision takes effect.
- (4) Each affected source and each affected unit shall meet the requirements of the Acid Rain Program.
- (5) Any provision of the Acid Rain Program that applies to an affected source (including a provision applicable to the designated representative of an affected source) shall also apply to the owners and operators of such source and of the affected units at the source.
- (6) Any provision of the Acid Rain Program that applies to an affected unit (including a provision applicable to the designated representative of an affected unit) shall also apply to the owners and operators of such affected unit. Except as provided under 40 CFR 72.44 (Phase II repowering extension plans) and 40 CFR part 76 (NO_x averaging plans), and except with regard to the requirements applicable to affected units with a common stack under 40 CFR part 75 (including 40 CFR 75.16, 75.17, and 75.18), the owners and operators and the designated representative of one affected unit shall not be liable for any violation by any other affected unit of which they are not owners or operators or the designated representative and that is located at a source of which they are not owners or operators or the designated representative.
- (7) Each violation of a provision of 40 CFR parts 72, 73, 74, 75, 76, 77, and 78 by an affected source or affected unit, or by an owner or operator or designated representative of such source or unit, shall be a separate violation of the Act.

Effect on Other Authorities. No provision of the Acid Rain Program, an opt-in permit application, or an opt-in permit shall be construed as:

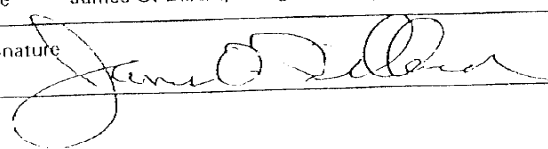
- (1) Except as expressly provided in title IV of the Act, exempting or excluding the owners and operators and, to the extent applicable, the designated representative of an affected source or affected unit from compliance with any other provision of the Act, including the provisions of title I of the Act relating to applicable National Ambient Air Quality Standards or State Implementation Plans;
- (2) Limiting the number of allowances a unit can hold; *provided*, that the number of allowances held by the unit shall not affect the source's obligation to comply with any other provisions of the Act;
- (3) Requiring a change of any kind in any State law regulating electric utility rates and charges, affecting any State law regarding such State regulation, or limiting such State regulation, including any prudence review requirements under such State law;
- (4) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or,
- (5) Interfering with or impairing any program for competitive bidding for power supply in a State in which such program is established.

Certifications

I certify that, to the best of my knowledge and belief, the combustion source is not an affected unit under 40 CFR 72.6.

I certify that the data submitted under subpart C of part 74 reflects actual operations of the combustion source and has not been adjusted in any way.

I am authorized to make this submission on behalf of the owners and operators of the combustion source or opt-in sources 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.

Name	James O. Dillard, Designated Representative	
Signature		Date 9/5/00



Opt-In Permit Application Worksheet

For more information, see instructions and refer to 40 CFR 74.20-74.22

Plant Name (from Step 1) C.C. Perry K
Combustion Source ID# (from Step 2) Unit 11

Page 1 of 2

Type of Fuel: Coal
Fuel Units: Tons

Heat Content Units: BTU/LB.
SO₂ Emissions Factor: 104,098 lb/SO₂/Thousand Tons

Control System Efficiency: 0 %
Fuel Pretreatment Efficiency: %

(a)

(b)

(c)

(d)

* 1985/1st Operating Year:

**1986/2nd Operating Year: TYPE Two

** 1987/3rd Operating Year: 1985/1st Year

	Quantity	% S	Heat Content	Fuel Consumption	Quantity	% S	Heat Content	Fuel Consumption	Quantity	% S	Heat Content	Fuel Consumption	SO ₂ Emissions
Jan	10,024	2.51	11,054	221,604 mmBtu	10,000	3.09	11,214	224,248 mmBtu	10,500	2.76	11,185	234,885 mmBtu	1,041,340 lbs
Feb	9,761	2.61	11,075	216,216 mmBtu	8,100	3.11	11,230	181,926 mmBtu	8,500	2.66	11,248	191,216 mmBtu	1,014,107 lbs
Mar	11,045	2.71	11,183	247,034 mmBtu	7,200	3.28	11,086	159,638 mmBtu	5,500	2.54	11,285	124,135 mmBtu	1,147,461 lbs
Apr	8,868	2.55	11,080	196,515 mmBtu	5,300	2.73	11,011	116,717 mmBtu	7,800	2.68	11,086	172,942 mmBtu	921,286 lbs
May	9,065	2.55	10,965	198,788 mmBtu	6,800	3.12	11,090	150,824 mmBtu	7,700	3.10	11,343	174,682 mmBtu	941,718 lbs
June	8,671	2.59	11,137	193,145 mmBtu	7,600	3.25	11,182	169,966 mmBtu	6,700	2.90	11,342	151,983 mmBtu	900,855 lbs
July	510	2.50	11,193	11,409 mmBtu	0.00	2.89	11,140	0.0 mmBtu	3,800	2.44	11,149	84,732 mmBtu	52,946 lbs
Aug	2,714	2.42	11,025	59,849 mmBtu	2,000	3.18	11,108	44,432 mmBtu	0.0	2.05	11,368	0.0 mmBtu	281,977 lbs
Sep	7,838	2.60	11,003	172,486 mmBtu	5,800	3.03	11,104	128,806 mmBtu	2,500	2.30	11,143	55,715 mmBtu	814,296 lbs
Oct	6,816	2.84	10,975	149,604 mmBtu	4,100	2.73	11,053	90,635 mmBtu	6,700	2.24	11,122	149,035 mmBtu	708,073 lbs
Nov	5,781	3.06	11,021	127,415 mmBtu	4,600	1.48	11,186	102,911 mmBtu	4,100	2.07	11,131	91,274 mmBtu	600,533 lbs
Dec	10,521	3.09	11,047	232,443 mmBtu	6,600	2.91	11,160	147,312 mmBtu	6,500	2.24	11,132	144,716 mmBtu	1,092,977 lbs
ANNUAL	91,613	2.69	11,060	2,026,508 mmBtu	68,100	2.95	11,140	1,517,448 mmBtu	70,300	2.60	11,205	1,575,315 mmBtu	9,517,580 lbs

Total these values for each worksheet and transfer each total to Step 12 of the Opt-in Permit Application

* 1985/1st Operating Year Fuel Consumption
2,026,508 mmBtu

*** Average Annual Fuel Consumption
1,710,018 mmBtu

1985/1st yr SO ₂ Emissions
9,517,580 lbs



Opt-In Permit Application Worksheet

For more information, see instructions and refer to 40 CFR 74.20-74.22

Plant Name (from Step 1) C.C.Perry K

Combustion Source ID# (from Step 2) Unit 11

Page 2 of 2

Type of Fuel: Gas
Fuel Units: MMSCF

Heat Content Units: BTU/SCF
SO₂ Emissions Factor: 0

Control System Efficiency: 0 %
Fuel Pretreatment Efficiency: 0 %

(a)

(b)

(c)

(d)

1985/1st Operating Year: _____

1986/2nd Operating Year: _____

1987/3rd Operating Year: _____

1985/1st
Year

	Quantity	% S	Heat Content	Fuel Consumption	Quantity	% S	Heat Content	Fuel Consumption	Quantity	% S	Heat Content	Fuel Consumption	SO ₂ Emissions
Jan				mmBtu	0.1	0	914	91.4	0.1	0	914	91.4	0 lbs
Feb				mmBtu	0.3	0	914	274.2	0.3	0	914	274.2	0 lbs
Mar				mmBtu	0.7	0	914	639.8	0.8	0	914	731.2	0 lbs
Apr				mmBtu	0.4	0	914	365.6	0.6	0	914	548.4	0 lbs
May				mmBtu	0.5	0	914	457.0	0.7	0	914	639.8	0 lbs
June				mmBtu	0.3	0	914	274.2	0.5	0	914	457.0	0 lbs
July				mmBtu	0	0	914	0	0.8	0	914	731.2	0 lbs
Aug				mmBtu	0.5	0	914	457.0	0	0	914	0	0 lbs
Sep				mmBtu	0.5	0	914	457.0	0.8	0	914	731.2	0 lbs
Oct				mmBtu	0.8	0	914	731.2	1.4	0	914	1,279.6	0 lbs
Nov				mmBtu	0.4	0	914	365.6	0.3	0	914	274.2	0 lbs
Dec				mmBtu	0.4	0	914	365.6	0.6	0	914	548.4	0 lbs
ANNUAL				mmBtu	4.9	0	914	4,478.6	6.9	0	914	6,306.6	0

Total these values for each worksheet and transfer each total to Step 12 of the Opt-in Permit Application

1985/1st Operating Year
Fuel Consumption

mmBtu

Average Annual Fuel
Consumption

mmBtu

1985/1st yr
SO₂ Emissions

lbs

**Indiana Department of Environmental Management
Office of Air Management**

**Addendum to the
Technical Support Document
Perry K Unit 11 Opt-in Permit**

Source:	C.C. Perry K Steam Plant
Address:	366 Kentucky Avenue, Indianapolis, Indiana 46204
Operated by:	Indianapolis Power and Light Company
County:	Marion
ORIS Code:	0992
Acid Rain Permit No.:	AR097-11658-000034
Permit Reviewer:	Robert Ondrusek

On August 8, 2000 the Office of Air Management (OAM) had a notice published in the Indianapolis Star, Indianapolis, Indiana, stating that Indianapolis Power and Light Company had applied for an Acid Rain Opt-in Permit application for the Perry K boiler 11, located at the C.C. Perry K Steam Plant. The notice also stated that OAM proposed to issue a permit for this operation and provided information on how the public could review the proposed permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit should be issued as proposed.

No comments were received from the general public during this period.

The company has submitted the following comments:

Company Comment 1

With respect to the permit term, IPL respectfully requests that the agency provide the full five (5) year term that is described in 40 CFR 74.12(f). Specifically, the regulation states that the opt-in permit shall be issued for a period of five (5) years. IPL's interpretation states that a five (5) year permit term allocates SO₂ allowances for twenty (20) calendar quarters.

Staff Response

The Acid Rain Program does allow a permit to cover a five (5) year period. However, the opt-in permit will soon become part of the Title V permit which has a five (5) year term. Therefore, the change will not be made.

Company Comment 2

Allowances that are stated in the draft permit allocated SO₂ allowances through the Fourth Quarter, 2004 only. Because the permit will be effective October 1, 2000, IPL believes the five (5) year term will expire on September 30, 2005. The allowance allocations for year 2005 are approximately 1369 tons.

Staff Response

The SO₂ allowance allocations for the opt-in permit are issued by the U.S. EPA, Clean Air Marketing Division. IDEM's check with U.S. EPA indicated that there would be no reason to include part of the year 2005 in the permit. Only present year or previous years SO₂ emissions can be traded or sold. Since the allocation is an on going process and future allocations can not be traded or sold, the change would not be of value at this time.

Company Comment 3

IPL requests that IDEM include as a condition of this permit the [permit] termination procedures described in 40 CFR 74.12(c)(4), including withdrawal from the program.

Staff Response

The permit termination procedures described in 40 CFR 74.12(c)(4), will be added to E.1.2 Standard Permit Requirements as condition (c),

Company Comment 4

IPL requests that IDEM include as a condition of this permit the permit shield provisions that are provided in 40 CFR 74.12(e).

Staff Response

The shield provisions that are provided in 40 CFR 74.12(e), will be added to E.1.2 Standard Permit Requirements as condition (d).

**Indiana Department of Environmental Management
Office of Air Management**

**Statements of Basis for Issuance of
An Opt-In Permit**

Issued to:	C.C. Perry K Steam Plant
Source Location	366 Kentucky Avenue, Indianapolis, IN 46204
Operated by:	Indianapolis Power and Light Company
County:	Marion
Acid Rain Permit No.:	AR No. 097-11658- 00034
Reviewer	Robert Ondrusek

Facilities to be Title IV Permitted

The Indiana Department of Environmental Management (IDEM), Office of Air Management (OAM) has reviewed an application for the issuance of an opt-in permit to the C.C. Perry K Steam Plant unit 11. The initial opt-in permit application submitted by the Designated Representative (DR) was received by IDEM on December 10, 1999. IDEM received subsequent revisions to the initial application submitted by the Designated Representative on March 3, 2000 and April 5, 2000. The application was deemed complete on May 15, 2000.

Statements of Basis

The Acid Rain Program's goal is to achieve a reduction in the amount of sulfur dioxide and nitrogen oxides released to the atmosphere from power plants. These two pollutants play a large role in the formation of acid rain. There are no known direct human health effects from acid rain. Acid rain does have a harmful effect on aquatic animals. It can also be harmful to essential soil bacteria. Additional information regarding acid rain and the Acid Rain Program can be found on the Internet at the United States Environmental Protection Agency's (U.S. EPA) site, at <http://www.epa.gov/acidrain/>. Additional information in the form of maps showing the results of precipitation monitoring can be found on the Internet under <http://nadp.sws.uiuc.edu>.

The U.S. EPA has set a limit on the amount of sulfur dioxide emissions and the emission rate of nitrogen oxides for each year from 2000 through 2009. The total sulfur dioxide emission for all affected power plants and opt-in power plants in the nation has been limited to 9.4 million tons every year. That amount is 10 million tons less than the total emissions of sulfur dioxide in 1980. Emissions of nitrogen oxides are being reduced by at least 2 million tons per year, by setting limits on the emission rate of nitrogen oxides.

Statutory and Regulatory Authorities

In accordance with Title IV of the Clean Air Act Amendments of 1990, IDEM issues this permit pursuant to 326 IAC 21 that incorporates by reference Title 40 of the Code of Federal Regulations (CFR) part 72 through 78, and 40 CFR part 72, subparts E and F, and 40 CFR part 74, subpart B.

Tons per Year of Sulfur Dioxide Allowance Allocations

The Opt-in Permit Program procedure is applicable to this unit because it is not an affected source under 40 CFR part 72.6. To be classified as an affected source, the source (unit) must have received an allowance allocation under 40 CFR Part 73.

The year 2000 has reduced SO₂ emissions allowed because the allowance allocation is for the period between October 1, 2000, and December 31, 2000.

	2000	2001	2002	2003	2004
Opt-in Allowance Allocations under 40 CFR 74.26 and 74.28	434	1,796	1,796	1,796	1,796

Comments, Notes and Justifications Regarding Permit Decisions, and Changes Made to the Permit Application Forms During the Review Process

The purpose of the Acid Rain Opt-in Program is to allow units not subject to the Acid Rain Program requirements under 40 CFR 72.6 to voluntarily elect to become subject to the Rain Program. The Opt-in Permit sets forth the requirements that an opt-in source must comply with, including the requirements to apply for and receive an opt-in permit, to record and report emissions according to 40 CFR Parts 74 and 75, and to hold SO₂ allowances to account for all SO₂ emitted at unit 11 at the opt-in source.

The U.S. EPA, Office of Clean Air Marketing Division, Washington, D.C. has reviewed the opt-in allowance allocations requested in the application based on coal burned in 1985. The U.S. EPA has assigned the above allowance allocations through 2004.

Additional Information Request

Questions should be directed to Robert Ondrusek, OAM, 100 North Senate Avenue, P.O. Box 6015, Indianapolis, Indiana, 46206-6015, or by telephone at 317/233-4227 or at 1-800-451-6027 ext. (3-4227).