



# OAQ PROCESS INFORMATION APPLICATION

## PI-02E: Combustion – Kilns

State Form 52539 (R2 / 1-10)

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

**IDEM – Office of Air Quality – Permits Branch**

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### NOTES:

- The purpose of this form is to specify details that pertain only to kilns.
- Complete one PI-02E form for each emissions unit. If there are multiple emission units that are identical in nature, capacity, and use, you may use one PI-02E form to summarize the units.
- Detailed instructions for this form are available on the Air Permit Application Forms website.
- All information submitted to IDEM will be made available to the public unless it is submitted under a claim of confidentiality. Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record, available for anyone to inspect and photocopy.

### PART A: Process Unit Details

Part A specifies operating information that is unique to kilns. Definitions and additional explanation of terminology are included in the instructions for this form.

**1. Unit ID:**

**2. Processed Material:**

Portland Cement

*Attach this PI-02E to the completed PI-15.*

Lime

*Attach this PI-02E to the completed PI-13.*

Brick or Clay Products

*Attach this PI-02E to the completed PI-05.*

Other *(specify)*:

**3. Configuration:**

Rotary

Vertical

**4. Type of Kiln:**

Calcimatic

Dry Process

Fluidized Bed

Preheater

Preheater / Precalciner Process

Regenerative

Wet Process

**5. Material Throughput** *(specify units):*

**6. Fuel Used:**

Natural Gas Only

Other – *Attach completed PI-02F.*

**7. Heating Method:**

Periodic

Tunnel

**8. Length of Burn Time** *(specify units):*

**9. Does this source have a pre-dryer / pre-heater?** *If yes, attach completed PI-02B.*

Yes

No

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### PART B: Emission Controls and Limitations

Part B identifies control technology, control techniques or other process limitations that impact air emissions.

**10. Add-On Control Technology:** *Identify all control technologies used for this process. Attach completed CE-01 (unless "none").*

- |   |  |
|---|--|
| <input type="checkbox"/> None                                       |  |
| <input type="checkbox"/> Baghouse / Fabric Filter – Attach CE-02.   | <input type="checkbox"/> Cyclone – Attach CE-03.                               |
| <input type="checkbox"/> Electrostatic Precipitator – Attach CE-04. | <input type="checkbox"/> Absorption / Wet Collector / Scrubber – Attach CE-05. |
| <input type="checkbox"/> Oxidizer / Incinerator – Attach CE-06.     | <input type="checkbox"/> Adsorber – Attach CE-07.                              |
| <input type="checkbox"/> Condenser – Attach CE-08.                  | <input type="checkbox"/> NO <sub>x</sub> Reduction – Attach CE-09.             |
| <input type="checkbox"/> Other (specify):                           | – Attach CE-10.  |

**11. Control Techniques:** *Identify all control techniques used for this process.*

**12. Process Limitations / Additional Information:** *Identify any acceptable process limitations. Attach additional information if necessary.*

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