



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

*Mitchell E. Daniels Jr.*  
Governor

*Thomas W. Easterly*  
Commissioner

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Indianapolis, Indiana 46204  
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[www.idem.IN.gov](http://www.idem.IN.gov)

Ms. Linda Wilson  
BP Products North America, Inc. - Whiting Business Unit  
2815 Indianapolis Blvd., P.O. Box 710  
Whiting, Indiana 46394-0710

May 9, 2011

Re: Approval for a Temporary Operation  
EX No. 089-30387-00453

Dear Ms. Wilson:

On April 25, 2011, BP Products North America, Inc. – Whiting Business Unit (BP) submitted a letter informing the Office of Air Quality (OAQ) of the intention to install and operate an exempt temporary operation related to degassing, post-weld heat treating, and refractory curing at the No. 4 Ultraformer (4UF) D-4 Reactor. The temporary operation will require the construction and operation of three (3) gas train control assemblies.

## Temporary Operation General Information

### Purpose of the Temporary Operation:

It is necessary to conduct repairs and install new internal parts at the No. 4 Ultraformer (4UF) D-4 Reactor. This activity requires welding and post-weld heat treating. After the post-weld heat treating is conducted, the refractory will be installed. The newly installed refractory has a moisture content, which helps the refractory remain less brittle during storage. Once the refractory is installed, it is necessary to cure it. This curing activity also prepares the new refractory for the high temperatures to which it will be exposed once the reactor is returned to service. The equipment related to this operation will be rental equipment that will be on-site temporarily, and will be operated by Team Industrial Services, Inc.

Units:	(a) One (1) LPG-fired 10 MMBtu/hr combustion burner (b) Two (2) LPG-fired 3 MMBtu/hr combustion burners (c) A pressurized liquid propane (LPG) storage tank
Location of the Operation:	2815 Indianapolis Blvd, Whiting, Indiana
County:	Lake
County Status:	Attainment or unclassifiable for PM <sub>10</sub> , NO <sub>x</sub> , SO <sub>2</sub> , CO, Lead (Pb), and Ozone Basic nonattainment designation effective federally April 5, 2005, for PM <sub>2.5</sub> .
Starting Date of the Operation:	No sooner than March 30, 2011
Duration of the Operation:	Less than 30 days of actual operation

Potential Emissions: VOC, NO<sub>x</sub>, PM, PM<sub>10</sub>, PM<sub>2.5</sub>, CO, and SO<sub>2</sub>.

### Applicable Requirements

Pursuant to 326 IAC 2-1.1-3(h) (Exemption for Temporary Operation and Experimental Trial), the above mentioned temporary operation shall satisfy the following requirements:

1. The potential emissions from the operation are less than 25 tons per year for the duration of the operation. [326 IAC 2-1.1-3(h)(3)(A)]
2. The operation is not a major source or modification as defined under 326 IAC 2-2, or 326 IAC 2-7. [326 IAC 2-1.1-3(h)(3)(B)]
3. The purpose of the operation is to:
  - (a) collect data for experimental purposes, including, but not limited to, process improvements, new product development, and pollution prevention; or [326 IAC 2-1.1-3(h)(3)(C)(i)]
  - (b) temporarily conduct an operation not considered as part of the normal operation or production of the facility or source. [326 IAC 2-1.1-3(h)(3)(C)(ii)]
4. The duration of the temporary operation or experimental trial is less than 30 days of total operating time. [326 IAC 2-1.1-3(h)(3)(D)]
5. The Permittee shall submit a report containing the following information, at most seven (7) days after the conclusion of the temporary operation: [326 IAC 2-1.1-3(h)(3)(G)]
  - (a) The actual dates of the construction and operation.
  - (b) The duration of the operation.
  - (c) The actual emissions occurring during the operation.
6. The report shall be submitted to:

Indiana Department of Environmental Management  
Office of Air Quality, Permits Branch  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

### Expiration Date

This approval expires after 30 days of actual operating time of the temporary operation of the three (3) gas train control assemblies.

### IDEM Contact

If you have any questions regarding this approval, please contact Jenny Acker of my staff at the Indiana Department Environmental Management, Office of Air Quality, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 233-9327 or toll free at 1-800-451-6027, extension 3-9327.

Sincerely,



Matthew Stuckey, Branch Chief  
Permits Branch  
Office of Air Quality

Enclosure: Temporary Operation Report

cc: File – Lake County  
Lake County Health Department  
Northwest Regional Office  
Air Compliance Inspector – Ramesh Tejuja

**Indiana Department of Environmental Management  
Office of Air Quality, Permits Branch  
100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, IN 46204-2251**

**Temporary Operation Report**

Source Name: BP Products North America, Inc. – Whiting Business Unit  
Source Location: 2815 Indianapolis Blvd Whiting IN 46394  
County Location: Lake  
Temporary Operation: 089-30387-00453

Temporary Operation	
Type of unit/operation:	
Actual starting date of the construction:	
Actual ending date of the construction:	
Actual starting date of the operation:	
Actual ending date of the operation:	
Actual number of days of the operation:	
Calculated emissions during the duration of the operation:	
Additional Comments:	

I certify under penalty of law that this report was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Date:

cc: Air Compliance Inspector – Ramesh Tejuja

# Mail Code 61-53

IDEM Staff	MIDENNEY 5/9/2011 BP Products North America - Whiting Business Unit 089-30387-00453 (final)		AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
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2		Nick Spencer Whiting Business Unit Leader BP Products North America - Whiting Business Unit 2815 Indianapolis Blvd Whiting IN 46934-0710 (RO CAATS)										
3		East Chicago City Council 4525 Indianapolis Blvd East Chicago IN 46312 (Local Official)										
4		Lake County Health Department-Gary 1145 W. 5th Ave Gary IN 46402-1795 (Health Department)										
5		Hammond City Council and Mayors Office 5925 Calumet Avenue Hammond IN 46320 (Local Official)										
6		Whiting City Council and Mayors Office 1143 119th St Whiting IN 46394 (Local Official)										
7		Lake County Commissioners 2293 N. Main St, Building A 3rd Floor Crown Point IN 46307 (Local Official)										
8		Laura Lodisio US EPA Region 5 (D-8J) 77 W. Jackson Blvd. Chicago IL 60604 (EPA)										
9		Gary City Council 401 Broadway # 209 Gary IN 46402 (Local Official)										
10		Susan Severtson City of Gary Law Dept. 401 Broadway 4th Floor Gary IN 46402 (Local Official)										
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