



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

P.O. BOX 19506, SPRINGFIELD, ILLINOIS 62794-9506

THOMAS V. SKINNER, DIRECTOR

217/782-2113

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT - SPECIAL

PERMITTEE

LTV Steel Company, Inc.
Attn: R. M. Zavoda
3100 East 45th Street
Cleveland, Ohio 44127

Application No.: 98120091

I.D. No.: 031600AMC

Applicant's Designation:

Date Received: December 22, 1998

Subject: Coke Oven Combustion Stack

Date Issued: May 14, 1999

Expiration Date: May 14, 2004

Location: 11600 South Burley Avenue, Chicago

Permit is hereby granted to the above-designated Permittee to OPERATE emission source(s) and/or air pollution control equipment consisting of operating the coke ovens under special provisions during repair as described in the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

1. This federally enforceable state operating permit is issued to establish additional provisions governing the circumstances under which the opacity of emissions from a coke oven combustion stack may exceed 30%, as otherwise allowed by 35 IAC 212.443(g)(2). These provisions (Conditions 2, 3, and 4) were developed in consultation with USEPA and will become part of Illinois' State Implementation Plan (SIP), pursuant to Section 110(a) of the Clean Air Act, for attainment of the PM-10 air quality standard in the Lake Calumet nonattainment area. These provisions will be federally enforceable by the USEPA both as they are contained in a FESOP and as they are part of Illinois' SIP approved by USEPA. In addition, these provisions are enforceable by the Illinois EPA. This permit has satisfied the requirements for public notice.
2. No person shall cause or allow the emission of particulate matter from a coke oven combustion stack to exceed 30% opacity, except that opacity may exceed 30% but must not exceed 60% opacity during periods when underfire flues for an oven are pressurized for the purpose of identifying and repairing leaks at tie-in joints resulting from end-flue rehabilitation. Opacity in excess of 30% during such periods shall not occur more than 3 hours on any calendar day, and shall not occur more than 20 hours per month based on a twelve month rolling average period. The owner or operator shall keep written records identifying the oven repaired, type of repair, and the date, time, and duration of all tie-in joint repair periods. The requirements of 35 Ill. Adm. Code 212.324(g)(4) and (5) shall apply to these records. If a stack test is performed while a coke oven is being repaired, this limitation is not a defense to a finding of a violation of the mass emission limitation in 35 Ill. Adm. Code 212.443(g)(1) or any applicable permit condition. To the extent that these requirements are more stringent than the requirements of 35 IAC 212.443(g)(2), this condition supersedes the requirements of 35 Ill. Adm. Code 212.443(g)(2).

3a. Observations of opacity for purposes of reporting compliance with opacity limits for coke oven combustion stacks shall be conducted in accordance with 40 CFR 60, Appendix A, Method 9 [35 IAC 212.443(g)(2)];

b. As an alternative to performing observations in accordance with Method 9, the Permittee may use a Continuous Opacity Monitoring System (COMS) to record opacity for purposes of reporting compliance with limits for a coke oven combustion stack. Any such COMS shall be subject to the following requirements:

i. The Permittee shall provide the Illinois EPA with written notice at least 60 days before beginning to rely on COMS data to demonstrate compliance with opacity limits. This notification shall include a description of the proposed COMS and associated data storage system, including manufacturer, model, and specifications; the proposed location and layout of the COMS in the coke oven combustion stack; and the schedule for conducting the initial performance evaluation required below.

ii. The Permittee shall conduct a performance evaluation of the COMS to demonstrate that it meets Performance Specification 1, as specified in 40 CFR 60, Appendix B, before beginning to rely on the COMS, annually, and at such times thereafter as the Illinois EPA may reasonably specify. The Permittee shall promptly submit a written report for each COMS performance evaluation to the Illinois EPA.

iii. The Permittee shall install, operate and maintain the COMS in accordance with the following, with the "Illinois EPA" substituting for the "Administrator" of USEPA:

40 CFR 60.7(c) emission report	Quarterly excess
40 CFR 60.7(d)	Operating file
40 CFR 60.13(a) specifications	Monitor performance
40 CFR 60.13(d)	Operating procedures
40 CFR 60.13(e)	Operation requirements
40 CFR 60.13(f) installation	Proper monitor
40 CFR 60.13(h) procedures	Data reduction

iv. The performance evaluation and quarterly excess emission reports shall be submitted to:

Illinois EPA
Bureau of Air
Field Operation Section
1701 S. First Avenue
Maywood, Illinois 60153

Illinois EPA
Bureau of Air
Compliance and Systems Mgmt. Section
1021 North Grand Ave., East
P.O. Box 19276
Springfield, Illinois 67294-9276

Illinois EPA
Source Monitoring Unit
1021 North Grand Ave., East
P.O. Box 19276
Springfield, Illinois 62794-9276

- v. Method 9 observations indicating violations shall demonstrate noncompliance, notwithstanding any inconsistency with COMS data.
 - vi. Once the Permittee has begun reliance on a COMS, the Permittee shall continue to rely on the COMS, operating it as specified above, until 30 days after written notice is provided to the Illinois EPA that the Permittee will not longer rely on a COMS. (If the Permittee subsequently resumes reliance on a COMS, paragraphs A and B shall again be applicable.)
4. All records and logs required by this permit shall be retained at a readily accessible location at the source for at least three years from the date of entry and shall be made available for inspection and copying by the Illinois EPA or USEPA upon request. Any records retained in an electronic format (e.g., computer) shall be capable of being retrieved and printed on paper during normal source office hours so as to be able to respond to an Illinois EPA or USEPA request for records during the course of a source inspection.

If you have any questions on this, please call Darin Clutts at 217/782-2113.

Donald E. Sutton, P.E.
Manager, Permit Section
Division of Air Pollution Control

DES:DCC:jar

cc: Region 1

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Original Signed by
Donald E. Sutton, P.E.