P080, P081, P082
F011
TBD

OhioEPA
State of Ohio Environmental Protection Agency

STREET ADDRESS:
1800 WaterMark Drive
Columbus, OH 43215-1099

TELE: (614) 644-3020 FAX: (614) 644-2329

MAILING ADDRESS:
P.O. Box 1049
Columbus, OH 43216-1049

July 26, 1995 CERTIFIED MAIL

Re: Modification to Permit to Install No. 02-7768
Lorain County

USS-KOBE Steel Company
1807 E. 28th St.
Lorain, OH 44055

Attention: Russell Stinson

Enclosed please find a modification to the Ohio EPA Permit to Install referenced above which will modify the terms and conditions.

You are hereby notified that this action of the Director is final and may be appealed to the Environmental Board of Review pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed with the Environmental Board of Review within thirty (30) days after notice of the Director's action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Board. An appeal may be filed with the Environmental Board of Review at the following address: Environmental Board of Review, 236 East Town Street, Room 300, Columbus, OH 43215.

Very truly yours,

Thomas G. Rigo

Thomas G. Rigo, Manager
Field Operations and Permit Section
Division of Air Pollution Control

Enclosure

cc: US EPA
NORTHEAST DISTRICT OFFICE, DAPC

RECEIVED
JUL 31 1995
OHIO EPA NEDO

State of Ohio Environmental Protection Agency

Permit to Install
Terms and Conditions

Issuance Date: July 26, 1995
Effective Date: July 26, 1995
Modification Fee: $500.00

OHIO ENVIRONMENTAL PROTECTION AGENCY

MODIFICATION TO PERMIT TO INSTALL

Name of Applicant: USS-KOBE Steel Company
Address: 1807 E. 28th St.
City: Lorain, OH 44055
Telephone: (216) 277-2482

The Ohio EPA has received a request for a modification for the Ohio EPA Permit to Install referenced above.

The Permit to Install issued to (PTI No. 02-7768) is hereby modified in the following manner:

Terms and Conditions on pages 8 and 11 of Permit to Install issued May 12, 1994.

The reason for the modification is: To remove production limitations which are no longer necessary to assure compliance from pages 8 and 11 of PTI #02-7768 issued May 12, 1994.

The above named entity is hereby granted a modification to the permit to install described above pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this modification does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described source(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans included in the application, the above described source(s) of pollutants will be granted the necessary operating permits.

Ohio Environmental Protection Agency

Donald R. Schregardus

Director

with the current U.S. EPA flare policy to achieve a minimum of 98% (by weight) reduction of carbon monoxide emissions. In addition, there shall be no objectionable odors in the exhaust gases and visible emissions shall not exceed five percent opacity as a six-minute average from the flare stack.

4. No. 2 Continuous Bloom Caster (F011)

Argon gas shrouding shall be employed to minimize or eliminate visible particulate emissions of fugitive dust from molten steel transfers between steel ladle and tundish. Visible particulate emissions of fugitive dust from all operations associated with the No. 2 Continuous Bloom Caster including the addition of fluxes, tundish and ladle slag dumping, caster pouring and cast steel cut-off torches shall not exceed five percent opacity as a six-minute average.

5. New Source Production Limitations (Steel Throughput)

USS/Kobe Steel Company shall restrict steel throughput for the sources subject to (PTI #02-7768) as follows:

Source	Steel Throughput Limitation
(P080) No. 2 Ladle Facility	1,200,000 tons/yr
(P082) Vacuum Degasser	1,000,000 tons/yr
(F011) No. 2 Continuous Bloom Caster	1,200,000 tons/yr

Each of the steel throughput limitations shall be based upon a consecutive 365 day period, rolled on a daily basis.

6. Natural Gas Usage Limitation (P081)

USS/Kobe Steel Company shall restrict the usage of natural gas in the Bloom Reheat Furnace (P081) to 1864.08 MMCF per year based upon a consecutive 365 day period rolled on a daily basis.

7. Conventional Steel Teeming Limitation

Within six (6) months of completion of the "Continuous Caster Project" consisting of installation of the No. 2 Ladle Metallurgy Facility (P080), Bloom Reheat Furnace (P081), Vacuum Degasser (P082) and the No. 2 Continuous Bloom Caster (F011), USS/Kobe Steel Company shall thereafter restrict the conventional teeming steel throughput to 500,000 tons per

3. Throughput Restrictions

The netting under Paragraph 1.b. compared baseline emissions at 1.8 mm ton iron production level to future emissions at 2.3 mm tons iron production, when the Near Term Modernization facilities identified in Paragraph 1.b. are in operation. Because the netting assumed less than maximum production for Teeming operations, USS/KOBE must meet a steel throughput restriction for Teeming of 500,000 tons per year, based on a consecutive 365 day period rolled on a daily basis. USS/KOBE must also meet steel throughput restrictions, based on a consecutive 365 day period rolled on a daily basis, for the No. 2 LMF (P080) of 1,200,000 tons per year, the No. 2 Continuous Bloom Caster (F011) of 1,200,000 tons per year, and the Vacuum Degasser (P082) of 1,000,000 tons per year.

4. Elimination of Throughput Restrictions in 10" Bar Mill Furnace Permit to Install

Under the Federal Consent Decree, USS/KOBE submitted, in conjunction with a permit to install application, a netting analysis for its 10" Bar Mill Walking Beam and Holding Furnaces (also a Near Term Modernization Project) which assumed, in the modernization case, emissions at a less-than-maximum iron production level of 1.9 mm tons per year. Because this netting was based on less-than-maximum emission assumptions, throughput restrictions were set forth in the 10" Bar Mill permit to install (Application No. 02-6920, effective February 5, 1993) for ironmaking, the No. 1 Caster, Teeming, the #3 and #4 Seamless Pipe Mills, and the 10" and 12" Bar Mills. Because the netting analysis under Paragraph 1.b. now assumes maximum iron production of 2.3 mm tons per year, all throughput limitations specified in the Additional Special Terms and Conditions of the permit to install for the 10" Bar Mills Walking Beam and Holding Furnaces (Application No. 02-6920) shall no longer be effective upon commencement of operation of the #2 Continuous Bloom Caster.

5. Netting Results

Based on the netting analysis for the Near Term Modernization Projects identified in Paragraph 1.b., the net change in emissions in TPY is as follows: