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TBD



State of Ohio Environmental Protection Agency

STREET ADDRESS:

MAILING ADDRESS:

1800 WaterMark Drive  
Columbus, OH 43215-1099

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

P.O. Box 1049  
Columbus, OH 43216-1049

Re: Permit to Install  
Lorain County  
Application No: 02-9296  
SYNTHETIC MINOR

CERTIFIED MAIL

November 1, 1995

USS/KOBE STEEL COMPANY  
RUSSELL STINSON  
1807 E 28TH ST  
LORAIN, OH 44055

Enclosed please find an Ohio EPA Permit to Install which will allow you to install the described source(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions I urge you to read it carefully.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Board of Review pursuant to Chapter 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, Ohio 43215

Very truly yours,

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

cc: US EPA  
NORTHEAST DISTRICT OFFICE, DAPC

George V. Voinovich, Governor  
Nancy P. Hollister, Lt. Governor  
Donald R. Schregardus, Director



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## Permit to Install Terms and Conditions

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Application No. 02-9296  
APS Premise No. 0247080229  
Permit Fee: \$1200.00

Name of Facility: USS/KOBE STEEL COMPANY

Person to Contact: RUSSELL STINSON

Address: 1807 E 28TH ST  
LORAIN, OH 44055

Location of proposed source(s): 1807 E 28TH ST  
LORAIN, OHIO

Description of proposed source(s):  
PIG IRON CASTING FACILITY SINGLE STRAND PIG CASTING MACHINE  
, HOT METAL POURING STATION & MOLD COATING/DRYING EQUIPMENT.

Date of Issuance: November 1, 1995

Effective Date: November 1, 1995

The above named entity is hereby granted a permit to install for the above described source(s) pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit 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 and specifications, the above described source(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

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Director

USS/KOBE STEEL COMPANY  
Application No. 02-9296  
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November 1, 1995

facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities prove to be inadequate or cannot meet applicable standards.

#### PERMIT TO INSTALL FEE

In accordance with Ohio Revised Code 3745.11, the specified Permit to Install fee must be remitted within 30 days of the effective date of this permit to install.

#### PUBLIC DISCLOSURE

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC Rule 3745-49-03.

#### APPLICABILITY

This Permit to Install is applicable only to the contaminant sources identified. Separate application must be made to the Director for the installation or modification of any other contaminant sources.

#### BEST AVAILABLE TECHNOLOGY

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

#### PERMIT TO OPERATE APPLICATION

A Permit to Operate application must be submitted to the appropriate field office for each air contaminant source in this Permit to Install. In accordance with OAC Rule 3745-35-02, the application shall be filed no later than thirty days after commencement of operation.

#### SOURCE OPERATION AFTER COMPLETION OF CONSTRUCTION

This facility is permitted to operate each source described by this permit to install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in

AIR EMISSION SUMMARY

The air contaminant sources listed below comprise the Permit to Install for USS/KOBE STEEL COMPANY located in Lorain County. The sources listed below shall not exceed the emission limits/control requirements contained in the table. This condition in no way limits the applicability of any other state or federal regulations. Additionally, this condition does not limit the applicability of additional special terms and conditions of this permit.

<u>Ohio EPA Source Number</u>	<u>Source Identification Description</u>	<u>BAT Determination</u>	<u>Applicable Federal &amp; OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
P038 83	Pig Iron Casting Machine	Hot metal pouring station (fabric filter control device)	3745-31-05 3745-17-07 3745-17-08 3745-17-11	Subject to the attached special terms and conditions; 0.01 gr/dscf (TSP) fabric filter control device; 98% particulate emission capture
P084	Mold Coating/Drying process	Natural Gas Fired Drying chamber - mold coating storage and handling (fabric filter control device)	3745-31-05 3745-17-07 3745-17-08 3745-17-11	Subject to the attached special terms & conditions; 0.01 gr/dscf (TSP) fabric filter control device; 99% particulate emission capture

SUMMARY

TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
TSP	9.18
PM <sub>10</sub>	8.72
CO	0.10
NO <sub>x</sub>	0.32
SO <sub>2</sub>	0.002
VOC	0.004

PERFORMANCE TEST REQUIREMENTS

The permittee shall conduct, or have conducted, performance testing on the air contaminant source(s) in accordance with procedures approved by the Agency. Two copies of the written report describing the test procedures followed and the results of such tests shall be submitted and signed by the person responsible for the test. The Director, or an Ohio EPA representative, shall be allowed to witness the test, examine testing equipment, and require the acquisition or submission of data and information necessary to assure that the source operation and testing procedures provide a valid characterization of the emissions from the source and/or the performance of the control equipment.

- A. A completed Intent to Test form shall be submitted to the appropriate Ohio EPA District Office or Local Air Pollution Control Agency where the original permit application was filed. This notice shall be made 30 days in advance and shall specify the source operating parameters, the proposed test procedures, and the time, date, place and person(s) conducting such tests.
- B. Two copies of the test results shall be submitted within 30 days after the completion of the performance test.
- C. Tests shall be performed for the following source(s) and pollutants(s):

<u>Source</u>	<u>Pollutants</u>
Pig Casting Machine Baghouse (P083)	TSP

RECORD(S) RETENTION AND AVAILABILITY

All records required by this Permit to Install shall be retained on file for a period of not less than three years unless otherwise indicated by Ohio Environmental Protection Agency. All records shall be made available to the Director, or any representative of the Director, for review during normal business hours.

REPORTING REQUIREMENTS

Unless otherwise specified, reports required by the Permit to Install need only be submitted to OEPA Northeast District Office - DAPC, 2110 East Aurora Road, Twinsburg, Ohio 44087.

#### WASTE DISPOSAL

The owner/operator shall comply with any applicable state and federal requirements governing the storage, treatment, transport and disposal of any waste material generated by the operation of the sources.

#### MAINTENANCE OF EQUIPMENT

This source and its associated air pollution control system(s) shall be maintained regularly in accordance with good engineering practices and the recommendations of the respective manufacturers in order to minimize air contaminant emissions.

#### MALFUNCTION/ABATEMENT

In accordance with OAC RULE 3745-15-06, any malfunction of the source(s) or associated air pollution control system(s) shall be reported immediately to the OEPA Northeast District Office - DAPC, 2110 East Aurora Road, Twinsburg, Ohio 44087.

Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution control equipment that requires the shutdown or bypassing of air pollution control system(s) must be accompanied by the shutdown of the associated air pollution sources.

#### AIR POLLUTION NUISANCES PROHIBITED

The air contaminant source(s) identified in this permit may not cause a public nuisance in violation of OAC Rule 3745-15-07.

#### CONSTRUCTION COMPLIANCE CERTIFICATION

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit to Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

#### ADDITIONAL SPECIAL TERMS AND CONDITIONS

1. Particulate Emission Standards (P083 and P084)

USS/Kobe Steel Company shall not cause to be discharged into the atmosphere from the PIG IRON CASTING FACILITY any gases which:

- a. exit from the pig iron casting machine (P083) baghouse and contain particulate emissions in excess of 0.01 gr/dscf;
- b. exit from the mold coating storage and handling (P084) baghouse and contain particulate emissions in excess of 0.01 gr/dscf;
- c. exit from the pig iron casting machine (P083) baghouse or mold coating storage and handling (P084) baghouse and exceed a visible particulate emission limit of five percent opacity as a six-minute average; and
- d. exit from the pig iron casting facility and, due solely to the operations of the casting machine (P083) or mold coating/drying process (P084), exhibit visible particulate emissions of fugitive dust in excess of five percent opacity as a six-minute average.

2. Production Limitation (PIG IRON CASTING FACILITY)

USS/Kobe Steel Company shall restrict the production of cast pig iron to 480,000 tons per year based upon a rolling 365-day period.

For the first twelve months of operation, USS/Kobe Steel Company shall not exceed the following pig iron production limits for the specific time period:

<u>MONTH</u>	<u>TOTAL ALLOWABLE PIG IRON PRODUCTION</u>
1	40,000 tons
1,2	80,000 tons
1-3	120,000 tons
1-4	160,000 tons
1-5	200,000 tons
1-6	240,000 tons
1-7	280,000 tons
1-8	320,000 tons
1-9	360,000 tons
1-10	400,000 tons
1-11	440,000 tons
1-12	480,000 tons

After the first twelve months of operation, USS/Kobe Steel Company shall restrict the production of cast pig iron to 480,000 tons per year, based upon a consecutive 365-day period, rolled on a daily basis.

3. Recordkeeping and Reporting Requirements

Beginning with the first full calendar quarter after installation of the PIG IRON CASTING FACILITY, USS/Kobe Steel Company shall submit quarterly reports to the Ohio EPA-Northeast District Office which shall include records of the daily pig iron production from the facility. After the first full year of operation, the quarterly reports shall also include records of the pig iron production for the preceding consecutive 365-day period, rolled on a daily basis. The reports shall be submitted by January 15, April 15, July 15 and October 15 of each year.