COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
FIELD OPERATIONS - BUREAU OF AIR QUALITY

OPERATING PERMIT

In accordance with provisions of the Air Pollution Control Act, the act of January 8, 1960, P.L. 2119, as amended, and after due consideration of an application received under Chapter 127 of the rules and regulations of the Department of Environmental Protection, the Department hereby issues this permit for the operation of the air contamination source(s) described below:

Permit No.	OP-15-0016	Source(s)	Facility VOC and No_x sources
Owner	Worthington Steel Company	Air	
Address	45 N. Morehall Road	Cleaning	
	Malvern, PA 19355	Device	
Attention	Mr. Curtis B. Moore	Location	
	Environmental Manager		

This permit is subject to the following conditions:

1. That the source(s) and any associated air cleaning devices are to be:
   a. operated in such a manner as not to cause air pollution;
   b. in compliance with the specifications and conditions of the plan approval issued under the same number;
   c. operated and maintained in a manner consistent with good operating and maintenance practices.
2. This permit is valid only for the specific equipment, location and owner named above.

(SEE ADDITIONAL CONDITIONS ATTACHED)

Failure to comply with the conditions placed on this permit is a violation of Section 127.444. Violation of this or any other provision of Article III of the rules and regulations of the Department of Environmental Protection will result in suspension or revocation of this permit and/or prosecution under Section 9 of the Air Pollution Control Act.

Issued 07/23/96

Expires ~~07/23/2001~~

Francine Carlini
Regional Manager
Air Quality

cc: Division of Permits, RCSOB
Administration
SEFO
Re (SMC)198

CONDITIONS (continued):

3. This operating permit is issued to Worthington Steel Company for the operation of the following sources:

   A. NOx emitting sources listed in Attachment 1.

   B. VOC emitting sources:

      1. One Coil Coating Line including clean up operations. .
      2. Twenty-three (23) Safety-Kleen Stations (Cold Cleaners).

4. This operating permit is the Department's determination of reasonably available control technology (RACT) for the sources listed below:

   A. NOx emitting sources listed in Attachment 1.

   B. VOC Sources

      1. Cleanup operations associated with this coil coating line.

      2. Cold Cleaners

5. The expiration date shown on the Operating Permit is for state purposes. For Federal enforcement purposes the RACT provisions of the Operating Permit shall remain in effect as part of the State Implementation Plan (SIP) until replaced pursuant to 40 CFR 51 and approved by the U.S. Environmental Protection Agency (EPA). The Operating Permit shall become enforceable by the U.S. EPA upon its approval of the above as a revision to the SIP.

6. Operating Requirements for NOx Emitting Sources:

   The sources shall be operated and maintained in accordance with manufactures specifications and good air pollution control practices.

7. Operating Requirements for the Coil Coating Operation:

   A. The VOC content of each coating applied to the substrates shall not exceed 2.6 pounds per gallon of coating (minus water).

   B. The company shall record the following information for each of the coatings and cleanup solutions used on the line:

CONDITIONS (continued):

1. Daily coating quantity in gallons and pounds of coatings as applied.
2. The coating composition.

   i. Percent solids by volume;
   ii. Percent solvent by volume;
   iii. Percent water by volume;
   iv. Pounds of VOC per gallon minus water;
   v. Solvent density

3. The records necessary to demonstrate that there is no VOC emissions from the coil cleaning operation and the operation is in compliance with the requirements specified in 25 PA Code Sections 129.91 through 129.94.

4. The cleaning of the coil coating equipment shall not result in VOC emissions in excess of 3 pounds per hour, 15 pounds per day and 2.7 tons per year.

8. Operating Requirements for the Cold Cleaners:

   A. The cleanup solvent used at the facility shall not result in the VOC emissions in excess of 3 pounds per hour, 15 pounds per day and 2.7 tons per year.

   B. The records of solvent usage, inventory records, material balances and additional data or records shall be kept to demonstrate compliance with 25 PA Code Section 129.95 and shall be used to calculate the VOC emissions with the methods approved by the Department.

9. General Conditions:

   A. The records require under this operating permit shall be retained for at least 2 years and shall be made available to the Department upon request.

THE WORTHINGTON STEEL COMPANY
SITE INVENTORY LIST

WS-ID#	COMPANY DESIGNATION/LOCATION	SIZE MMBTU/Hr.	FUEL TYPE	TYPE OF OPERATION	HRS OPERATION MAX-Hrs/Yr
C01	Roll Grinding Infrared Heater No. 1	< 0.13	Nat. Gas	Space Heater	4,380
C02	Roll Grinding Infrared Heater No. 2	< 0.13	Nat. Gas	Space Heater	4,380
C03	Roll Grinding Infrared Heater No. 3	< 0.13	Nat. Gas	Space Heater	4,380
C04	Roll Grinding Infrared Heater No. 4	< 0.13	Nat. Gas	Space Heater	4,380
C05	Roll Grinding Infrared Heater No. 5	< 0.13	Nat. Gas	Space Heater	4,380
C06	Zinc Plating Infrared Heater No. 1	< 0.13	Nat. Gas	Space Heater	4,380
C07	Zinc Plating Infrared Heater No. 2	< 0.13	Nat. Gas	Space Heater	4,380
C08	Zinc Plating Infrared Heater No. 3	< 0.13	Nat. Gas	Space Heater	4,380
C09	Zinc Plating Infrared Heater No. 4	< 0.13	Nat. Gas	Space Heater	4,380
C10	Zinc Plating Infrared Heater No. 5	< 0.13	Nat. Gas	Space Heater	4,380
C11	Zinc Plating Infrared Heater No. 6	< 0.13	Nat. Gas	Space Heater	4,380
C12	Zinc Plating Infrared Heater No. 7	< 0.13	Nat. Gas	Space Heater	4,380
C13	Zinc Plating Infrared Heater No. 8	< 0.13	Nat. Gas	Space Heater	4,380
C14	Pickle Line Infrared Heater No. 1	< 0.13	Nat. Gas	Space Heater	4,380
C15	Pickle Line Infrared Heater No. 2	< 0.13	Nat. Gas	Space Heater	4,380
C16	Pickle Line Infrared Heater No. 3	< 0.13	Nat. Gas	Space Heater	4,380
C17	Pickle Line Infrared Heater No. 4	< 0.13	Nat. Gas	Space Heater	4,380
C18	Pickle Line Infrared Heater No. 5	< 0.13	Nat. Gas	Space Heater	4,380
C19	Building 13 Infrared Heater No. 1	< 0.13	Nat. Gas	Space Heater	4,380
C20	Building 13 Infrared Heater No.2	< 0.13	Nat. Gas	Space Heater	4,380
C21	50 inch Z-Mill Infrared Heater	< 0.13	Nat. Gas	Space Heater	4,380
C22	37 inch Z-Mill Infrared Heater	< 0.13	Nat. Gas	Space Heater	4,380
C23	Zinc Plating Filter Infrared Heater No. 1	< 0.13	Nat. Gas	Space Heater	4,380
C24	Zinc Plating Filter Infrared Heater No. 2	< 0.13	Nat. Gas	Space Heater	4,380
C25	Roll Shop Space Heater No. 1	0.3	Nat. Gas	Space Heater	4,380
C26	Roll Shop Space Heater No. 2	0.3	Nat. Gas	Space Heater	4,380
C27	Roll Shop Space Heater No. 3	0.3	Nat. Gas	Space Heater	4,380
C28	Cold Mill Office Hot Water Furnace	0.27	Nat. Gas	Space Heater	4,380
C29	Roll Shop Hot Water Heater	< 0.199	Nat. Gas	Water Heater	8,760
C30	Temper Mill Hot Water Heater	< 0.199	Nat. Gas	Water Heater	8,760
C31	Paint Line Restroom Hot Water Heater	< 0.199	Nat. Gas	Water Heater	8,760
C32	Nickel Line Hot Water Heater	< 0.199	Nat. Gas	Water Heater	8,760
C33	Drummed Waste Storage Space Heater No	0.3	Nat. Gas	Space Heater	4,380
C34	Drummed Waste Storage Space Heater No	0.3	Nat. Gas	Space Heater	4,380
C35	Zinc Plating Entry Space Heater	0.3	Nat. Gas	Space Heater	4,380
C36	Cold Mill Door #5 Air Make-up Unit	1.08	Nat. Gas	Space Heater	4,380
C37	Paint Line Furnace	1.08	Nat. Gas	Space Heater	4,380
C38	East Pickle Line Furnace	1.63	Nat. Gas	Space Heater	4,380
C39	West Pickle Line Furnace	1.63	Nat. Gas	Space Heater	4,380
C40	Maintenance Area Furnace No. 1	1.08	Nat. Gas	Space Heater	4,380
C41	Maintenance Area Furnace No.2	1.08	Nat. Gas	Space Heater	4,380
C42	Construction Building Furnace No. 1	0.625	No. 2 Fuel Oil	Space Heater	4,380
C43	Construction Building Furnace No. 2	0.625	No. 2 Fuel Oil	Space Heater	4,380
C44	Building 12 Space Heater No. 1	0.625	No. 2 Fuel Oil	Space Heater	4,380

THE WORTHINGTON STEEL COMPANY
SITE INVENTORY LIST

WS-ID#	COMPANY DESIGNATION/LOCATION	SIZE MMBTU/Hr.	FUEL TYPE	TYPE OF OPERATION	HRS OPERATION MAX-Hrs/Yr
C45	Building 12 Space Heater No. 2	1.116	No. 2 Fuel Oil	Space Heater	4,380
C46	Store Room Furnace	0.625	No. 2 Fuel Oil	Space Heater	4,380
C47	Building 13 Inside Fuenace	3.85	Nat. Gas	Space Heater	4,380
C48	Building 13 Outside Furnace	3.85	Nat. Gas	Space Heater	4,380
C49	Cold Mill Area Direct Fired Furnace	9.90	Nat. Gas	Space Heater	4,380
C50	Boiler No. 1; Building 4	3.36	Nat. Gas	Boiler	4,380
C51	Boiler No. 2; Building 4	3.36	Nat. Gas	Boiler	4,380
C52	Boiler No. 3; Boiler House	6.275	N. Gas/Fuel Oil	Boiler	8,760
C53	Boiler No. 4; Boiler House	6.275	N. Gas/Fuel Oil	Boiler	8,760
C54	Boiler No. 5; Boiler House	10.461	N. Gas/Fuel Oil	Boiler	8,760
C55	Annealing Furnace No. 1	4.0	Nat. Gas	Process	8,760
C56	Annealing Furnace No. 2	4.0	Nat. Gas	Process	8,760
C57	Annealing Furnace No. 3	4.0	Nat. Gas	Process	8,760
C58	Annealing Furnace No. 4	4.0	Nat. Gas	Process	8,760
C59	Annealing Furnace No. 5	4.0	Nat. Gas	Process	8,760
C60	Annealing Furnace No. 6	4.0	Nat. Gas	Process	8,760
C61	Annealing Furnace No. 7	4.0	Nat. Gas	Process	8,760
C62	Annealing Furnace No. 8	4.0	Nat. Gas	Process	8,760
C63	Annealing Furnace No. 9	4.0	Nat. Gas	Process	8,760
C64	Annealing Furnace No. 10	4.0	Nat. Gas	Process	8,760
C65	Paint Line Bake Oven	2.0	Nat. Gas	Process	8,760

ATTACHMENT 1

4/3/96