

STATE OF MICHIGAN
DEPARTMENT OF NATURAL RESOURCES
OFFICE OF THE DIRECTOR

In the matter of administrative proceedings)
involving **PEERLESS METAL POWDERS,**)
INCORPORATED, a corporation organized under)
the laws of the State of Michigan and doing)
business at 124 South Military Avenue in the)
City of Detroit, County of Wayne, State of)
Michigan.)
_____)

SIP No. 29-1993
Revised: 9/9/94

STIPULATION FOR ENTRY OF FINAL ORDER
BY
CONSENT

This proceeding results from provisions of the Federal Clean Air Act ("CAA"), 42 U.S.C. Section 7401 et seq., as amended by the Clean Air Act Amendments of 1990, P.L. No. 101-549, 104 Stat. 2399 (Nov. 15, 1990), that designate a portion of Wayne County as non-attainment for PM-10 (particulate matter less than 10 micrometers) and require a State Implementation Plan ("SIP"), based on legally enforceable control measures, that provides for a demonstration of attainment and maintenance of the primary National Ambient Air Quality Standard ("NAAQS") for PM-10 in Wayne County. Further, pursuant to Section 15 of the Michigan Air Pollution Act, 1965 PA 348, as amended ("Act 348"), companies in the standard industrial classifications listed in 15(1), and which are located in areas listed in Table 36 of R 336.1371 of the Michigan administrative code, are required to develop and implement an approved fugitive dust control operating program and to have the program embodied in a legally enforceable order or as part of an approved permit to install or operate.

Peerless Metal Powders, Inc., ("Company") owns and operates an industrial complex involved with the manufacturing of used abrasives from iron ore ("Plant"), located at 124 South Military Avenue, City of Detroit, County of Wayne, State of Michigan. The Michigan Department of Natural Resources ("MDNR") alleges that the Plant is a significant source of fugitive dust emissions which contribute to the non-attainment problem. Further, the requirements for the control of fugitive dust, set forth in Section 15 of Act 348, apply to the Plant.

The Company and the MDNR stipulate as follows:

1. The Air Pollution Act, 1965 PA 348, as amended, ("Act 348"), MCL 336.11 et seq; MSA 14.58(1) et seq is an act to control air pollution in this state.
2. The Director of the MDNR ("Director") is authorized pursuant to Section 5 of Act 348 to administer and enforce all provisions of Act 348.
3. The Director has delegated authority to the Air Quality Division ("AQD Chief") to enter into the Consent Order.
4. The resolution of this matter by a Consent Order pursuant to Section 16c of Act 348 is proper and acceptable.
5. This Consent Order becomes effective on the date of execution ("effective date of this Consent Order") by the AQD Chief.
6. The emissions of fugitive dust from the Plant are subject to the opacity limitations and prohibitions contained in Sections 15 and 15a of Act 348. The particulate matter and fugitive dust emissions from the Plant must not cause or contribute to a violation of the PM-10 NAAQS. Further, the CAA and Act 348 require the application of all reasonably available control

measures ("RACM") for the control of PM-10 emissions.

7. This Consent Order is designed to ensure attainment and maintenance of the PM-10 NAAQS, compliance with Sections 15 and 15a of Act 348, and compliance with the RACM requirements of the CAA and Act 348.

COMPLIANCE PROGRAM

8. On and after the effective date of this Consent Order, the Company shall fully comply with the provisions and requirements of the fugitive dust control operating program and Recordkeeping for Fugitive Dust Sources Addendum, which is attached as Exhibits A, incorporated by reference, and made an enforceable part of this Consent Order.

RECORDKEEPING AND REPORTING

9. On and after the effective date of this Consent Order, the Company shall keep records as specified in Exhibit A.

10. On and after the effective date of this Consent Order, the records required pursuant to this Consent Order shall be kept on file at the Company for a period of at least two (2) years, and shall be made available to MDNR upon written or verbal request.

11. Beginning with the calendar quarter starting after the effective of this Consent Order, and quarterly thereafter, the Company shall submit to MDNR a report identifying each day in which any emission limit, operational requirement, or recordkeeping requirement, as specified in Exhibit A, was not met. This report shall, for each instance, explain the reason that the emission limit, operational requirement, or recordkeeping requirement was not met, the duration of the event, the remedial action taken, and a description

of the steps which were taken to prevent a recurrence. These reports shall be submitted within 30 days following the end of the calendar quarter in which the data were collected.

GENERAL PROVISIONS

12. Upon entry, this Consent Order, along with other supporting documentation required by the United States Environmental Protection Agency ("U.S.EPA"), shall be submitted to the U.S.EPA for approval as a revision to the Michigan SIP in accordance with Part D, Section 171 et seq., of the Federal Clean Air Act, as amended by Section 105 of the Clean Air Act Amendments of 1990. This Consent Order shall become effective immediately upon entry, except that this Consent Order shall have no effect on the federally-approved SIP unless and until the submitted SIP revision request is formally approved by the U.S.EPA.

13. Upon entry of this Consent Order, the Company may change its processes, modify the fugitive dust control program contained in Exhibit A, or modify the particulate emission control program contained in Exhibit B ("Control Programs"), in accordance with the following:

A. Process Change

- (1) The Company may change its operations or processes which are sources of particulate and fugitive dust provided all of the following conditions are met:
 - (a) The provisions of the Control Programs continue to apply to the subject operation or process;
 - (b) The change does not result in an increase in the level of

fugitive dust or particulate emissions;

(c) The change is approved.

- (2) The Company shall submit to MDNR a written description of the proposed change and how it meets the requirements of 13(A)(1).
- (3) The MDNR shall approve or disapprove the proposed change, in writing, within 45 days from receiving a proposed change which meets the requirements of 13(A)(1).
- (4) Should the MDNR disapprove the proposed change, the disapproval must describe the specific reasons for the decision and must be forwarded to the Company.

B. Control Program Revision

- (1) The Company may revise the Control Programs provided both of the following conditions are met:
 - (a) The Company demonstrates*, in writing, that the proposed revision does not result in an increase in the level of fugitive dust or particulate emissions and submits the demonstration to the MDNR for approval.
 - (b) The revision is approved.
- (2) The MDNR shall approve or disapprove the proposed revision, in writing, within 45 days from receiving a proposed revision using an applicable U.S.EPA approved method to demonstrate the proposed revision meets the requirements of 13(B)(1).
- (3) Should the MDNR disapprove the proposed revision, the disapproval must describe the specific reasons for the decision and must be forwarded to the Company.

C. U.S.EPA Notification

Upon approval of a change pursuant to subsection A above, or a substitution of a control measure pursuant to subsection B above, MDNR shall notify U.S.EPA, in writing, of the revised provisions which are enforceable for the facility.

D. Minor Modification

Upon adoption by the MDNR, and upon approval by U.S.EPA, of operating permit rules to implement the Permit Modification provisions recited at 40 CFR 70.7 (e), the Company may modify a fugitive dust or particulate emission source referred to in this Consent Order according to the terms and conditions contained in the operating permit rules.

E. Minor Modification Approval

Upon MDNR approval of a minor modification pursuant to subsection D above, the MDNR shall submit the approved minor modification to U.S.EPA as a proposed revision to the Michigan SIP.

F. Other Applicable Requirements

Any process change, control program revision, or minor modification made pursuant to this Paragraph does not affect the company's obligation to obtain a permit to install or operate required by Federal law or regulation, or contained in Part 2 of the Air Pollution Control ("APC") Rules and any other applicable requirement contained in the APC Rules or Act 348.

- * - Demonstrations made pursuant to 13(B)(1)(a) involving chemical dust suppressant applications on unpaved roads shall be made using only petroleum resins, asphalt emulsions, or acrylic cements unless otherwise explicitly provided for by the applicable U.S.EPA approved SIP or U.S.EPA approved method.

14. This abatement program is not a variance subject to the 12 month limitation specified in Section 22 of the Air Pollution Act, being MCLA 336.32.

15. The provisions of this Consent Order shall be binding on the parties to this action, their officers, servants, employees, and attorneys, and on those persons in active concert or participation with them who receive actual notice of this Consent Order. In the event Peerless Metal Powders, Inc. sells or transfers the Peerless Metal Powders, Inc., it shall advise any purchaser or transferee of the existence of this Consent Order in connection with such sale or transfer. Within 30 calendar days, Peerless Metal Powders, Inc. shall also notify MDNR Staff, in writing of such sale or transfer, the identity and address of any purchaser or transferee, and confirm the fact that notice of this Consent Order has been given to the purchaser or transferee. The purchaser must provide written agreement, to the Company, to assume the compliance responsibilities of the Consent Order and provide a copy of the agreement to the MDNR Staff.

16. Pursuant to the requirements of Section 5h of Act 348, the public was notified of a 30-day public comment period on this Consent Order which began on March 1, 1993 and a public hearing on this Consent Order which was held on March 30, 1993.

17. Section 16e of Act 348 may serve as a source of authority but not a limitation under which this Consent Order may be enforced. Further, the Michigan Environmental Protection Act ("MEPA"), 1970 PA 127, MCLA 691.1201 et seq; MSA 14.528(201) et seq; and all other applicable laws may be used to enforce this Consent Order.

I, the undersigned, who is signing this Stipulation and Order for the Company, certify that I am fully authorized by the Company to enter into this Consent Order and to execute and legally bind the Company to it.

Approved as to Form and Content:

PEERLESS METAL POWDERS, INC.

By: Paul W Taylor

Dated: 9/21/94

The above signatory subscribed and sworn to before me this 21 day of September, 1994.

SENSRAY TAYLOR
NOTARY PUBLIC-WAYNE COUNTY, MICH.
ACTING IN CO., MI
MY COMMISSION EXPIRES 06-23-97
Notary Public

Sensray Taylor

Approved as to Content:

Dennis M. Drake
Dennis M. Drake, Acting Chief
AIR QUALITY DIVISION
DEPARTMENT OF NATURAL RESOURCES

Dated: 10/12/94

Approved as to Form:

James L. Strickland
A. Michael Leffler
Assistant Attorney General, In Charge
NATURAL RESOURCES DIVISION
DEPARTMENT OF ATTORNEY GENERAL

Dated: 10/11/94

FINAL ORDER

The Chief of the Air Quality Division having had opportunity to review the Consent Order and having been delegated authority to enter into Consent Orders by the Director of the Michigan Department of Natural Resources pursuant to the provisions of the Air Pollution Control Act;

IT IS ORDERED that this Consent Order is approved and shall be entered in the record of the MDNR as a Final Order.

MICHIGAN DEPARTMENT OF NATURAL RESOURCES

By: Dennis M. Drake
Dennis M. Drake, Acting Chief
Air Quality Division

Dated: 10/12/94

EXHIBIT A
FUGITIVE DUST CONTROL PLAN
PEERLESS METAL POWDERS INCORPORATED

1. Facility Name and Address:

Peerless Metal Powders, Inc.
124 South Military Avenue
Detroit, Michigan 48209

2. Name and Address of Responsible Person:

Vice President of Operations
Peerless Metal Powders, Inc.
124 S. Military Ave.
Detroit, Michigan 48209

3. Summary of Source Descriptions and Control Measures:

The following are our possible sources of fugitive dust at Peerless Metal Powders:

- 1) An unpaved, seldom used open piece of land. On this piece of land we now have stored:
 - a) 200 empty useable 55 gallon steel drums.
 - b) Seven empty large steel storage hoppers.
 - c) Approximately 2-3 tons of empty scrap steel tote boxes.
- 2) Crushed limestone parking lot for 4 employee's cars.
- 3) Possible dust when processing our product at handling and transfer locations.
- 4) Bulk unloading of dump trucks.

Attached is a diagram of our facilities.

Over 95% of all incoming and outgoing shipments are containerized and are unloaded in areas #7 and #8 as shown on the attached diagram. These shipments are all handled with forklift trucks. No dust is created in this operation.

The balance of our shipments are bulk shipments. They consist of two general types of material:

- A) Material coated with water soluble oil like steel punchings.
- B) Dry metallics.

Both materials are unloaded in area #8 of the attached diagram. The "A" material causes no dust. The "B" material does cause some dusting.

Management has a continuing policy to reduce fugitive dust. In our plant and office building expansion programs in 1988 we did eliminate a large source of fugitive dust and dirt.

Prior to our 1988 expansion we had an unused railroad siding, owned by the railroad, on the north side of our facilities. This dirt strip of land was being used primarily by public vehicular traffic which carried muddy dirt onto Military and Cavalry Streets.

In 1988 we purchased this property and built a new warehouse, effectively closing all vehicular traffic.

In 1988 we also paved a large section (approx. 5500 sq. ft.) of our open land for carport parking. That same year we also made a crushed limestone pad of 5500 sq. ft. for employee parking.

In 1988 we converted all our forklift truck equipment from gas to propane. Prior to 1988 the forklifts had to cross Military Ave. and be gassed behind our office, west of the existing office. The forklifts now get their fuel in area #5. This eliminated approximately 30 forklift crossings per day which removed a source of trackout.

We propose the following:

- 1) Opacity at, from, or upon the facilities shall not exceed 5 percent, as determined by Reference Test Method 9d.
- 2)
 - (a) Paved roadways and parking areas (areas 2, 5, 6, 7, 8, and 9 and including frontage-travel area on Military and Cavalry Streets) shall be vacuumed daily Monday through Friday. Additionally, vacuuming shall be implemented on Saturday so as to ensure compliance with the 5 percent opacity limitation.
 - (b) A daily vacuuming report shall be filed in the Company office and records continuously maintained for at least three years.
 - (c) If the surface is wet with rain, snow, or ice which constitutes at least 0.01 inch (0.254 mm) of precipitation determined by Detroit Metropolitan Airport weather station, no vacuuming will be required in the unroofed areas.
- 3) Trackout shall be vacuumed from Military and Cavalry Streets prior to the end of each working day.
- 4)
 - (a) Dust collector equipment shall be inspected by a millwright on the last working day of each month.
 - (b) A monthly inspection report shall be filed in the Company office and records continuously maintained for at least three years.
 - (c) Any equipment found to be malfunctioning shall be shut down until repairs are completed and confirmed by millwright certification. Such certification shall be filed in the Company office and one copy submitted to staff of Wayne County Air Pollution Control Division.
- 5)
 - (a) Dust accumulation on the roof shall be inspected twice daily by an employee making a visual inspection.

- (b) In the event of a malfunction causing any fugitive dust emissions, immediate correction procedure shall be implemented, and in all cases spillage shall be removed on the day of occurrence.
 - (c) Correction procedure shall consist of using an Ultra Vac vacuum machine for large spills; for small spills shoveling shall be permissible so long as fugitive dust is minimized and remains below the 5 percent opacity limitation.
- 6) A 5500 square feet area of crushed limestone (area #4) shall be used only as a parking surface.
 - 7) (a) The unpaved area measures approximately 32,000 square feet of open yard (area #1).
 - (b) There shall not be more than 1 vehicle trip per month in this area.
 - (c) In the event of dust emissions in this area corrective chemical surfactant treatment, or water treatment upon approval of Staff of Wayne County Air Pollution Control Division, shall be implemented immediately.
 - (d) This area is inactive and comprised of growing weeds and small trees which cover approximately 30 percent of the area. This area has been inactive since October 1986 and is estimated to have 100 percent weed and tree coverage by the Fall of 1992.
 - 8) (a) Four completely enclosed dust collectors are located in area #6, the Company's manufacturing and storage area, and the collected dust is fed into a hopper.
 - (b) The hopper shall be controlled by a dust collector system.
 - (c) The collected material from the four baghouses shall be collected and packaged in a dust free manner.
 - 9) The Company shall not establish any uncovered storage piles.
 - 10) Plastic strips enclosing the abrasive wheel crusher shall be maintained to ensure that the dust collector functions properly.
 - 11) The Company owns and maintains equipment for vacuuming product spillage caused by material handling equipment failure (presently a Tennant Industrial Vacuum Cleaner Model No. 280 and an Ultra Vac 76 H.P. unit).

(Note: See attached DNR Required Recordkeeping for Fugitive Dust Sources Addendum for additional information.)

ADDENDUM

RECORDKEEPING FOR FUGITIVE DUST SOURCES

REQUIRED RECORDS

UNPAVED ROADS/LOTS

1. DATE OF TREATMENT
2. CONTROL MEASURE USED
3. RESPONSIBLE PERSON'S INITIALS
4. NAME OF PRODUCT APPLIED
5. AMOUNT OF SOLUTION/WATER APPLIED
6. DILUTION RATIO
7. ROAD SEGMENT/LOT IDENTIFICATION

PAVED ROADS/LOTS

1. DATE OF TREATMENT
2. CONTROL MEASURE USED
3. RESPONSIBLE PERSON'S INITIALS
4. ROAD SEGMENT/LOT IDENTIFICATION

STORAGE PILES/MATERIAL
HANDLING

1. DATE OF TREATMENT
2. CONTROL MEASURE USED
3. RESPONSIBLE PERSON'S INITIALS
4. DILUTION RATIO (IF APPLICABLE)
5. AMOUNT OF DUST SUPPRESSANT/WATER APPLIED
6. IDENTIFICATION OF PILE/MATERIAL HANDLING OPERATION TREATED
7. EQUIPMENT USED

OPTIONAL RECORDS

WEATHER CONDITIONS

1. PRECIPITATION
2. TEMPERATURE
3. WIND DIRECTION AND VELOCITY