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AIR QUALITY DIVISION
MICHIGAN DEPARTMENT OF NATURAL RESOURCES
P.O. BOX 30028, LANSING, MICHIGAN 48909

APPLICATION NO 341-79

Air Pollution Control
JUN 6 1979

APPLICATION TO THE AIR POLLUTION CONTROL COMMISSION

for authority to construct, install or alter

and

for permit to operate process, fuel burning, refuse burning and/or air pollution control equipment

1 PERMIT TO BE ISSUED TO: *(Business License Name of Corporation, Partnership, Individual Owner, Governmental Agency)*
AMERICAN COLLOID COMPANY - Albion

2 MAILING ADDRESS: *(Number, Street, City or Village, Zip Code)*
Box 179, Albion, Michigan 49224

3 EQUIPMENT OR PROCESS LOCATION: *(Number, Street, City or Village, Township, Zip Code)*
Hayes-Albion

4 TYPE OF ORGANIZATION:
[X] Corporation [ ] Partnership [ ] Individual Owner [ ] Governmental Agency

5 GENERAL NATURE OF BUSINESS:
Foundry Additive Mixing Station

6 EQUIPMENT DESCRIPTION: Application is hereby made for permission to construct, install or alter and to operate the following equipment

Request to install one 452 Raymond Bowl Mill for the purpose of pulverizing sea coal, at a rate of 10,000 lbs. per hour. Includes 6,000 cfm fan, cyclone, collector and S-36 MikroPul Bag House with 288.8 square feet of Nomex filter media to filter 600 CFM of mill vent or 10% of total circulating air to atmosphere.

Please see attached letter for the complete description of the equipment:

7 ESTIMATED COST: Air Pollution Control Equipment $6,000.00 Total Project $ $34,000

8 PRESENT STATUS OF EQUIPMENT: *(Check and complete applicable items)*

	Estimated Starting Date	Estimated Completion Date
( ) Construction or installation not started		
(x) Construction or installation partly completed		
( ) Construction completed		
( ) Equipment is to be altered		
( ) Equipment is partly altered		
( ) Equipment has been altered		
( ) Change of location and/or ownership		

9 NAME OF PRIOR OWNER AS IN (1) ABOVE, AND PRIOR AIR POLLUTION CONTROL PERMIT NUMBER, IF ANY:
(Name) *(Permit Number)*

10 TYPE OR PRINT NAME AND TITLE OF OWNER OR AUTHORIZED MEMBER OF FIRM:
(Name) Maynard Teppo *(Title)* Manager, Engineering & Construction
(Signature) Maynard C. Teppo *(Date)* 5-31-79 *(Phone No.)* 605-892-3109

MDNR USE ONLY

11 DISPOSITION OF APPLICATION:
*Subject to compliance with all
Permit to install approved and issued on DEC 18 1979 Signature
Permit to operate approved and issued on Signature

FORM AP-1 1M 6/73 *(Instructions for completing this form are on reverse side)*

AIR POLLUTION CONTROL COMMISSION

AIR QUALITY DIVISION
MICHIGAN DEPARTMENT OF NATURAL RESOURCES

APPLICATION INSTRUCTIONS

Submit this form in triplicate, complete application requires specifications and drawings in duplicate. An application is required for basic processing equipment as well as air pollution control equipment. Basic equipment includes any article, machine, equipment or other contrivance, the use of which may cause the issuance of air contaminants. Air pollution control equipment includes any article, machine, equipment or other contrivance, the use of which may eliminate or reduce or control the issuance of air contaminants. One application will suffice for an interrelated process. This application must be signed by the owner or authorized member of firm. Please attach the following:

1. Equipment Location Drawings – Submit drawings showing:
   a. Plan view of owner's property to boundary lines, include outline and height of all structures.
   b. Locate and identify proposed equipment on property line.
   c. Locate and identify all adjacent properties and all structures within 150 feet of proposed equipment showing outlines and heights.
   d. Indicate north direction on drawing.
2. Equipment Specification – State make, model, size and type, etc. of proposed equipment and all major accessory equipment.
3. Process or Use Specification – Attach a complete written description of each process covered by this permit application. Explain clearly and in detail each process stage by including the nature, quantity, concentration, particle size, pressure, temperature, etc. of materials which may be discharged to the atmosphere. Prove sufficient control method detail to show the extent and efficiency of air pollution control devices.
4. Operating Schedule – Specify proposed equipment operating time in hours per day and days per week.
5. Process Weight – Detail type and feed rate in pounds per hour or similar measure for each process material charge.
6. Fuels and Firing Devices – Indicate for gaseous fuels type and cubic feet per hour, for fuel oil: grade and gallons per hour, sulfur content, and specify temperature to which oil is preheated; for solid fuels: type, ultimate analysis and pounds per hour, indicate for firing device: make, model, size, type, number of devices and capacity range of each device (from minimum to maximum).
7. Flow Diagram – For continuous processes, show the flow materials either on a separate flow diagram or on the drawings accompanying the application.
8. Drawings or Equipment – Supply an assembly drawing, dimensioned to scale, in plan, elevation and as many sections as are needed to show, clearly, equipment design and operation and the means for controlling air contaminants. Structural design calculations and details are not required. When installing standard commercial equipment, the manufacturer's scale describing the equipment may be submitted in lieu of the parts of Item 8 that it covers. The following must be shown.
   a. Size and shape of the equipment, exterior and interior dimensions and features and materials of construction.
   b. Locations, sizes and shape details of materials handling equipment and all features which may affect the production, collection, conveying or control of air contaminants.
   c. Horsepower rating of driving motors.
   d. Additional information may be required.
   e. Indicate where in the system provision is made for source testing.
9. A permit application should pertain to an individual unit of equipment or to an operation or to a series of related operations within a process which are scheduled for simultaneous installation or alteration.

After authority to construct, install or alter is granted for any equipment, deviations from the approved plans and application information required are not permissible without first securing written approval.

Further information or clarification concerning permits can be obtained from the Air Quality Division
Phone: (517)322-1333, (Lansing) Michigan Department of Natural Resources, P.O. Box 30028
Lansing, Michigan 48909

– Yellow copy to be retained by applicant –

341-79

December 18, 1979

Mr. Maynard Teppo, Manager
Engineering and Construction
American Colloid Company
Box 179
Albion, MI 49224

Dear Mr. Teppo:

Your application for a Permit to Install the goal grinder with fabric filter control, located in Albion, Michigan, has been evaluated. This application, identified as No. 341-79, has been approved by the Michigan Air Pollution Control Commission.

This approval is based on and is subject to compliance with all Commission rules and conditions stipulated in the attached supplement.

Furthermore, you are advised that contaminants discharged to municipal waste water treatment facilities or to natural waters must be approved by the Water Quality Division of the Department of Natural Resources; resource recovery facilities and materials disposed of on land must be approved by the Resource Recovery Division of the Department of Natural Resources; and adequate inplant exhaust ventilation must be provided to permit compliance with applicable Occupational Health requirements as required by the Department of Public Health.

Issuance of this permit does not constitute a waiver by the State of Michigan of its right to bring appropriate legal action against the permittee for failing to obtain the required permits prior to the commencement of construction.

Thank you for your cooperation. If you have any questions, please contact this office at (517) 322-1333.

Very truly yours,

David A. Ferrier, Engineer
Permit Unit
Air Quality Division

DAF:mb
Enclosures
cc: D. VandeBunt

SUPPLEMENT TO PERMIT No. 341-79

C111-73

American Colloid Company
Albion, Michigan

GENERAL CONDITIONS

1. Applicant shall demonstrate compliance with all Commission rules and with all specific conditions of this permit prior to issuance of the Permit to Operate.

2. The restrictions and conditions of this Permit to Install shall apply to any person or legal entity which now or shall hereafter own or operate the facilities for which this Permit to Install is issued. The Applicant shall immediately notify the Commission of such change in ownership or principal operator status of this facility.

3. Act No. 53 - Applicant shall notify any public utility of any excavation, tunneling and discharging of explosives or demolition of buildings which may affect said utility's facilities in accordance with Act No. 53 of the Public Acts of 1974, being Sections 460.701 to 460.718 of the Michigan Compiled Laws and comply with each of the requirements of that Act.

4. Rule 21(4) - Trial operation of the equipment is permitted until the Commission acts upon the Permit to Operate.

5. Rule 29(2) - Not more than 30 days after completion of the installation, the Applicant shall apply, in writing, to the Commission for a Permit to Operate. Completion of the installation is deemed to occur not later than commencement of a trial operation pursuant to Rule 21(4). Written application should be sent to: Chief, Permit Unit, Air Quality Division, Department of Natural Resources, P.O. Box 30028, Lansing, Michigan 48909.

6. Rule 29(3b) - Operation of this facility shall not interfere with the attainment or maintenance of the air quality standard for any air contaminant.

7. Rule 29(3d) - Operation of this facility shall not result in substantial deterioration of air quality.

8. Rule 46 - Operation of this facility shall not result in the emission of an air contaminant which causes or will cause detriment to the safety, health, welfare or comfort of any person or which causes or will cause damage to property or business.

9. Rule 21 - Applicant shall not reconstruct, alter, modify, expand or relocate this facility unless plans, specifications and an application for a Permit to Install are submitted to and approved by the Commission.

10. Approval of this permit does not obviate the necessity of obtaining such permits or approvals from other units of government as required by law.

11. Notification of any malfunction of process or control equipment resulting in emissions in violation of the Commission rules or of any permit conditions should be made to the District Engineer. Such notice should be made as soon as possible but not later than 9:00 A.M. of the next working day. The notice shall include a program of corrective action and shall be confirmed in writing.

SPECIAL CONDITIONS

12. Visible emissions are limited to an opacity of less than or equal to 20% except as specified in Rule 336.41.

13. Rule 44 - The particulate emission rate from the coal grinder shall not exceed 0.1 pounds per 1,000 pounds of exhaust gases, calculated on a dry gas basis.

14. Applicant shall not operate this facility after January 30, 1980 unless a continuous program of fugitive dust control for all plant roadways, the plant yard, all material storage piles, and all material handling operations has been implemented. This fugitive dust control program must be approved, in writing, by the District Engineer and shall include:

    1. Regular sweeping of all paved surfaces with wetted brush or vacuum sweepers.

    2. Regular application of dust suppressants on unpaved roadways.

    3. Consolidation and enclosed storage of all coal supplies.

    4. Prompt removal of accumulation of any material on the silo or building roofs.

15. Applicant shall not operate this facility after April 1, 1980 unless an acceptable malfunction abatement program for the collector(s) has been implemented. This malfunction abatement program must be approved, in writing, by the District Engineer and shall include:

    1. The extent and frequency of collector inspections.

    2. Maintenance records of all inspections.

    3. A list of all spare parts kept on hand to promptly repair the collector(s).

16. Applicant shall not operate the coal grinder or storage silos unless the fabric filter collectors is installed and operating properly.

17. Rules 51, 52 and 54 - Verification of particulate emission rates by testing, at owner's expense, in accordance with Commission requirements may be required for operating approval. If a test is required, stack testing procedures and the location of stack testing ports must be approved, in writing, by the Commission or its authorized representative.

18. The exhaust gases shall be discharged at an exit point not less than 42 feet above ground level.

19. The applicant shall not operate the existing coal grinder upon start-up of the new coal grinder.

DAF:mb