



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

105 South Meridian Street
P.O. Box 6015
Indianapolis 46206-6015
Telephone 317/232-8603

February 27, 1991

VIA CERTIFIED MAIL P 124 439 401

Mr. Steven J. Smith
Vice President, Operations
Maul Technology, A Division of VHC Ltd.
300 West Martin Street
Winchester, Indiana 47394

Re: 327 IAC Article 3 Construction Permit
Application
Plans and Specifications for
Oil/Water Separation
Maul Technology, A
Division of VHC Ltd.
Permit Approval No. 1983
Winchester, Indiana

Dear Mr. Smith:

The application, plans and specifications, and supporting documents for the above-referenced project have been reviewed and processed in accordance with rules adopted under 327 IAC Article 3. Enclosed is the Construction Permit (Approval No. 1983), which applies to the construction of the above-referenced proposed water pollution treatment/control facility to be located at 300 West Martin Street in Winchester, Indiana.

Please review the enclosed permit carefully and become familiar with its terms and conditions. In addition, it is imperative that the applicant, consulting architect/engineer (A/E), inspector, and contractor are aware of these terms, conditions, and reporting requirements.

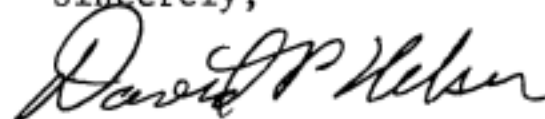
It should be noted that any person affected or aggrieved by the agency's decision in authorizing the construction of the above-referenced facility may, within eighteen (18) days from date of mailing, appeal by filing a request with the Technical Secretary of the Water Board of the Indiana Department of Environmental Management for an adjudicatory hearing in accordance with IC 4-21.5-3-7 and IC 13-7-10-2.5. The procedure for appeal is outlined in more detail in Part III of the attached construction permit. Pursuant to IC 4-21.5-3-5(d), the appointed Administrative Law Judge will provide parties who request review with notice of pre-hearing conferences, preliminary hearings, hearings, stays or orders disposing of all proceedings. Non-parties may receive such notices without intervening in the proceeding by providing the agency with a written request which describes the subject of the notice requested with reasonable particularity, and is delivered to the agency at least seven (7) days prior to the date that notice is given.

An Equal Opportunity Employer

Plans and specifications were prepared by ERM-Midwest, Inc., and submitted for review on January 7, 1991, with additional information submitted on February 8, 1991.

Any technical/engineering questions concerning this permit may be addressed to Mr. Levy Soliven of our staff at AC 317/232-8658. Legal questions or questions concerning appeal procedures should be addressed to the Office of Legal Counsel, at AC 317/232-8493.

Sincerely,



David P. Nelsen
Assistant Commissioner
Office of Water Management

LS/jcr
Project No. I-1445
Enclosures
cc: Randolph County Health Department
ERM-Midwest, Inc.
Chester G. Kress
City of Winchester WWTP

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
AUTHORIZATION FOR CONSTRUCTION OF
WATER POLLUTION TREATMENT/CONTROL FACILITY
UNDER 327 IAC ARTICLE 3

DECISION OF APPROVAL

Maul Technology, A Division of VHC Ltd., in accordance with the provisions of IC 13-7-10 and 327 IAC Article 3 is authorized, only upon the effective date of this permit, to construct the water pollution treatment/control facility located at 300 West Martin Street in Winchester, Indiana. The permittee is required to comply with requirements set forth in Parts I, II and III hereof.

NOTICE OF EFFECTIVE DATE
CONSTRUCTION PROHIBITED UNTIL EFFECTIVE DATE OF PERMIT

Pursuant to IC 13-7-10-2.5(b), IC 4-21.5-3-5(f), and IC 4-21.5-3-5(h), this permit shall become effective on March 17, 1991. Commencement of construction is prohibited until the effective date of the permit. If a petition for review and a petition for stay of effectiveness are filed before the effective date of the permit, any part of the permit within the scope of the petition for stay is stayed an additional fifteen (15) days from the effective date of this permit. The portions of the permit for which a petition for stay has been filed will take effect at the expiration of the additional fifteen (15) day period, unless or until an Administrative Law Judge stays the permit in whole or in part.

NOTICE OF EXPIRATION DATE

This permit and the authorization to initiate construction of this pollution treatment/control facility shall expire at midnight March 1, 1992. In order to receive authorization to begin construction beyond the date of expiration, the permittee shall submit such information and forms as are required by the Indiana Department of Environmental Management at least sixty (60) days prior to the expiration date.

Signed this 27th day of February, 1991, for the Indiana Department of Environmental Management.



David P. Nelsen
Assistant Commissioner
Office of Water Management

WATER POLLUTION TREATMENT/CONTROL FACILITY DESCRIPTION

Maul Technology cleans dirty equipment with high pressure steam and water producing wastewater containing oil and grease, and solids. The wastewater flows into a series of three (3) holding ponds prior to discharge into the City of Winchester sanitary sewer system. The holding ponds reduce the concentration of oil and grease, and solids.

It is proposed to replace the three existing holding ponds with oil/water separation equipment. The wastewater is proposed to flow through a 25-micron filter bag in route to an oil/water holding tank. The oil/water holding tank will have a tramp oil skimmer and overflow pipe with oil baffle. The effluent will then discharge to the existing municipal sanitary sewer system. Oil from the oil skimmer will be collected in a 16-gallon drum and then be transferred, via hand pump, to a 55-gallon drum.

CONDITIONS AND LIMITATIONS TO THE AUTHORIZATION FOR
CONSTRUCTION OF WATER POLLUTION TREATMENT/CONTROL FACILITY

During the period beginning on the effective date of this permit and extending until the expiration date, the permittee is authorized to construct the above described water pollution treatment/control facility. Such construction shall conform to all provisions of State Rule 327 IAC Article 3 and the following specific provisions:

PART I

SPECIFIC CONDITIONS AND LIMITATIONS TO THE CONSTRUCTION PERMIT

Unless specific authorization is otherwise provided under the permit, the permittee shall comply with the following conditions:

1. All local permits, including zoning, shall be obtained before construction is begun on this project.
2. If pollution or nuisance conditions are created, immediate corrective action will be taken by the permittee.
3. Plans for construction in a floodway must be submitted to the Department of Natural Resources for consideration of approval prior to the start of construction.
4. Additional treatment facilities will be installed if the proposed facilities fail to provide adequate control or if necessary for compliance with more stringent Federal or State pretreatment standards or requirements promulgated subsequent to the date of this approval.
5. The Company shall comply with the requirements of the municipal sewer use ordinance and pretreatment program.

6. The Company shall notify the Department of Environmental Management of the date of start-up and completion of the proposed project.
7. Technical supervision, by a certified operator, shall be provided for operation and control of the wastewater pretreatment facilities.
8. The method and system of sludge disposal shall be approved by the Office of Solid and Hazardous Waste Management of the Department of Environmental Management in accordance with Solid Waste Board requirements.

Failure to meet guidelines as set forth in the above conditions could be subject to enforcement proceedings as provided by 327 IAC 3-5-3.

PART II

GENERAL CONDITIONS

1. No significant or material changes in the scope of the plans or construction of this project shall be made unless the following provisions are met:
 - a. Request for permit modification is made 60 days in advance of the proposed significant or material changes in the scope of the plans or construction;
 - b. Submit a detailed statement of such proposed changes;
 - c. Submit revised plans and specifications including a revised design summary; and
 - d. Obtain a revised construction permit from this agency.
2. This permit may be modified, suspended, or revoked for cause including, but not limited to the following:
 - a. Violation of any term or conditions of this permit;
 - b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts.
3. Nothing herein shall be construed as guaranteeing that the proposed water pollution treatment/control facility shall meet standards, limitations or requirements of this or any other agency of state or federal government, as this agency has no direct control over the actual construction and/or operation of the proposed project.

PART III

APPEALS PROCEDURE

Anyone wishing to challenge this agency's decision for authorizing the construction of this facility may do so, provided that a petition for administrative review is filed as required by IC 4-21.5-3-7. The petition must be submitted within eighteen (18) days of the date of mailing of this permit notification. The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by this decision, or otherwise entitled to review by law. Additionally, IC 13-7-10-2.5 requires that your petition include:

1. The name and address of the person making the request;
2. The interest of the person making the request;
3. Identification of any persons represented by the person making the request;
4. The reasons, with particularity, for the request;
5. The issues, with particularity, proposed for consideration at the hearing; and
6. Identification of the permit terms and conditions which, in the judgement of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing permits of the type granted or denied by the Assistant Commissioner's action.
7. Pursuant to IC 4-21.5-3-1(f), any document serving as a petition for review or review and stay must be filed with Kathy Prosser, Technical Secretary of the Water Pollution Control Board. Filing of such a document is complete on the earliest of the following dates:
 - a. The date on which the petition is delivered to the Office of the Technical Secretary of the Water Pollution Control Board, located at 105 South Meridian Street, P.O. Box 6167, Indianapolis, Indiana 46206-6167;
 - b. The date of the postmark on the envelope containing the petition, if the petition is mailed by United States mail; or
 - c. The date on which the petition is deposited with a private carrier, as shown by a receipt issued by the carrier, if the petition is sent by private carrier.

Design Summary
327 IAC Article 3 Construction Permit
Maul Technology
A Division of VHC Ltd.
Winchester, Indiana

I. General

- A. Engineer: ERM-Midwest, Inc.
450 West Wilson Bridge Road
Columbus, Ohio 43085
- B. Type of Wastes: Wastewater from high pressure steam and water cleaning equipment. Cleaning equipment used to clean dirty oil and grease off miscellaneous equipment.
- C. Receiving STP: City of Winchester WWTP
- D. Remarks
1. Description of present situation: Dirty equipments are clean with high pressure steam and water producing wastewater containing oil and grease and solids.
 2. Description of present facilities: Wastewater flows to holding pond #1 to #2 to #3, and then to the City of Winchester sanitary sewer system. The holding ponds reduce the concentration of oil and grease, and solids.
 3. Description of proposed facilities or modifications: Proposed wastewater will flow through a 25 micron filter bag in route to oil/water holding tank. The oil/water holding tank will have an oil skimmer and overflow pipe with oil baffle. Effluent will then flow to existing City of Winchester sanitary sewer. Oil will be collected in a 16-gallon drum and then be transferred, via hand pump, to a 55-gallon drum.

II. Design Data

A. Flow

1. Peak: 168 gallons/day
2. Daily Maximum: 168 gallons/day
3. Daily Average: 50-67 gallons/day

B. Design Waste Strength

(Based upon a grab sample of the wastewater. Actual wastewater influent loading will vary.)

1. BOD: Less than 90 mg/l
2. TSS: 170 mg/l
3. Oil and Grease: 458 mg/l

C. Anticipated Effluent Characteristics

(To comply with the City of Winchester Discharge Limits)

1. BOD: 50-75 mg/l
2. TSS: 50-75 mg/l
3. Oil and Grease: 80-120 mg/l

III. Proposed Treatment Units

A. Gravity Oil/Water Separation

1. Flow Basis
 - a. Process waste: Clean dirty equipment with high pressure steam and water producing wastewater containing oil and grease and solids (168 gpd maximum)
2. Oil Removal Design Criteria
 - a. Temperature of waste: Varies, use high pressure water/steam to clean greasy equipment
 - b. Specific gravity of water: 1.00
 - c. Viscosity of water at 32°F:

Absolute viscosity = 0.374×10^{-4} lb-sec/ft²

Kinetic viscosity = 1.93×10^{-5} ft²/sec
 - d. Oil rate of rise: Varies
 - e. Turbulence factor: Varies
3. Oil Water Separator
 - a. Type: Holding tank with a tramp oil skimmer and oil baffle
 - b. Number of units: 1
 - c. Dimensions: 7' long by 4' wide x 2.17' S.W.D.

- d. Volume: 454.5 gallons
- e. Retention time(s):
 - At 168 gal/day = 2.7 days
 - At 50 gal/day = 9.1 days
- f. Weir length and loading:
 - Length = 0.52 ft
 - At 168 gal/day = 323 gal/lin. ft-day
 - At 50 gal/day = 96 gal/lin. ft-day
- g. Method of oil skimming: Rotating oil skimmer
- h. Method of solids removal: Depressed floor drain and filter bag
- i. Oil disposal: Collect in 55-gallon drum with disposal performed by Heritage Remediation/Engineering, Inc.

4. Oil Holding Tank

- a. Number: One
- b. Dimensions: 22" diameter by 35" high
- c. Volume: 55 gallons

B. Sludge Handling and Disposal

1. Ultimate disposal method of sludge:

- a. Disposal of oil and grease collected by oil skimmer will be performed by:

Heritage Remediation/Engineering, Inc.
P.O. Box 51020
Indianapolis, Indiana 46257

- b. It is Maul Technologies intent to manage the disposal of collected solids from the floor drain and filter bag in the same manner as the collected oil and grease.

2. Expected solids content of sludge:

- a. Minimal solids in oil and grease collected by oil skimmer.
- b. Solids content will vary in solids collected from floor drain and filter bag.

3. Location of disposal site:

Heritage Remediation/Engineering, Inc.
P.O. Box 51020
Indianapolis, Indiana 46257

4. Ownership of the disposal site:

Heritage Remediation/Engineering, Inc.
P.O. Box 51020
Indianapolis, Indiana 46257

5. Availability of sludge transport equipment:

Heritage Remediation/Engineering, Inc., will pick up and transport oil and grease waste to their facility.

IV. Recommendations - That the 327 IAC Article 3 Construction Permit application be approved with the following conditions:

- A. All local permits, including zoning, shall be obtained before construction is begun on this project.
- B. If pollution or nuisance conditions are created, immediate corrective action will be taken by the permittee.
- C. Additional treatment facilities will be installed if the proposed facilities fail to provide adequate control or if necessary for compliance with more stringent federal or state pretreatment standards or requirements promulgated subsequent to the date of this approval.
- D. The Company shall comply with the requirements of the municipal sewer use ordinance and pretreatment program.
- E. The Company shall notify the Department of Environmental Management of the date of start-up and completion of the proposed project.
- F. Technical supervision, by a certified operator, shall be provided for operation and control of wastewater pretreatment facilities.
- G. Plans for construction in a floodway must be submitted to the Department of Natural Resources for consideration of approval prior to the start of construction.
- H. The method and system of sludge disposal shall be approved by the Office of Solid and Hazardous Waste Management of the Department of Environmental Management in accordance with Solid Waste Board requirements.