

SUPPLEMENT TO PERMIT NO. 234-97

J. R. Zensen Farms, Inc.

Ray, Michigan
April 30, 1997

GENERAL CONDITIONS

1. Rule 201(1) - The person to whom this permit was issued shall not reconstruct, alter, modify, or relocate this equipment unless plans, specifications, and an application for a Permit to Install are submitted to and approved by the Department, unless otherwise exempt from the permit requirements.
2. Rule 201(4) - If the installation, reconstruction, relocation, or alteration of the equipment for which this permit has been approved has not commenced within 18 months, or has been interrupted for 18 months, this permit shall become void unless otherwise authorized by the Department. Furthermore, the person to whom this permit was issued, or the designated authorized agent, shall notify the Department via the Supervisor, Permit Section, Air Quality Division, Michigan Department of Environmental Quality, P.O. Box 30260, Lansing, Michigan 48909, if it is decided not to pursue the installation, reconstruction, relocation, or alteration of the equipment allowed by this Permit to Install.
3. Rule 201(6)(a) - If this Permit to Install is issued for a process or process equipment located at a stationary source which has been issued a Renewable Operating Permit pursuant to Rule 210, trial operation is allowed if the equipment performs in accordance with the terms and conditions of this Permit to Install and until the appropriate terms and conditions of this Permit to Install have been incorporated into the Renewable Operating Permit as a modification pursuant to Rule 216 or upon renewal pursuant to Rule 217. Upon incorporation of the appropriate terms and conditions into the Renewable Operating Permit, this Permit to Install shall become void.
4. Rules 201(6)(b)(i) and 216(1)(a)(v)(A) - Not more than 30 days after completion of the installation, construction, reconstruction, relocation, alteration, or modification authorized by this Permit to Install, the person to whom this Permit to Install was issued, or the authorized agent pursuant to Rule 204, shall notify the District Supervisor, Air Quality Division, in writing, of the completion of the activity. Completion of the installation, construction, reconstruction, relocation, alteration, or modification is considered to occur not later than commencement of trial operation of the process or process equipment.
5. Rule 201(6)(b)(ii) - Except as provided in General Condition No. 3, not more than 18 months after completion of the installation, construction, reconstruction, relocation, alteration, or modification authorized by this Permit to Install, the person to whom this permit was issued, or the authorized agent pursuant to Rule 204, shall notify the District Supervisor, Air Quality Division, in writing, of the status of compliance of the process or process equipment with the terms and conditions of the Permit to Install. The notification shall include all of the following:
 - A. The results of all testing, monitoring, and recordkeeping performed to determine the actual emissions from the process or process equipment and to demonstrate compliance with the terms and conditions of the Permit to Install.

- B. A schedule of compliance for the process or process equipment as described in Rule 119(a).
 - C. A statement, signed by the person owning or operating the process or process equipment, that, based on information and belief formed after reasonable inquiry, the statements and information in the notification are true, accurate, and complete.
6. Rule 201(7) and Section 5510 of Act 451, P.A. 1994 - The Department may, after notice and opportunity for a hearing, revoke this Permit to Install if evidence indicates the process or process equipment is not performing in accordance with the terms and conditions of this permit or is violating the Department's rules or the Clean Air Act.
 7. Rule 219 - A new owner or operator of the process or process equipment covered by this Permit to Install shall immediately make a written request to the Department for a change of ownership or operational control. The request shall include all of the information required in Rule 219(1)(a), (b) and (c). If the request for a change in ownership or operational control is approved, the terms and conditions of this Permit to Install shall apply to the person or legal entity which hereafter owns or operates the process or process equipment for which this Permit to Install is issued. The written request shall be sent to the Supervisor, Permit Section, Air Quality Division, Michigan Department of Environmental Quality, P.O. Box 30260, Lansing, Michigan 48909.
 8. Except as allowed by Rules 278 through 290, the person to whom this permit was issued shall not substitute any fuels, coatings, nor raw materials for those described in the application and allowed by this permit, nor make changes to the process or process equipment described in the application, without prior notification to and approval by the Air Quality Division.
 9. Rule 901 - Operation of this equipment shall not result in the emission of an air contaminant which causes injurious effects to human health or safety, animal life, plant life of significant economic value, or property, or which causes unreasonable interference with the comfortable enjoyment of life and property.
 10. Rule 912 - The owner or operator of a source, process, or process equipment shall provide notice of an abnormal condition, start-up, shutdown, or malfunction that results in emissions of a hazardous or toxic air pollutant in excess of standards for more than one hour, or of any air contaminant in excess of standards for more than two hours, as required in this rule, to the District Supervisor, Air Quality Division. The notice shall be provided not later than two business days after start-up, shutdown, or discovery of the abnormal condition or malfunction. Written reports, if required, must be filed with the District Supervisor within 10 days, with the information required in this rule.
 11. Approval of this permit does not exempt the person to whom this permit was issued from complying with any future regulations which may be promulgated under Part 55 of Act 451, P.A. 1994.
 12. Approval of this permit does not obviate the necessity of obtaining such permits or approvals from other units of government as required by law.

SPECIAL CONDITIONS

13. Except where specific requirements of these supplemental conditions are applicable and more stringent, the anhydrous ammonia storage and handling facilities shall conform to the American National Standard, Safety Requirements for the Storage and Handling of Anhydrous Ammonia, ANSI K61.1-1972 (except for paragraph 2.5.4). A copy of this standard shall be maintained for inspection at the facility.
14. Applicant shall not operate the facility unless an inspection and maintenance program, as approved by the District Supervisor, is in use.
15. All containers shall be fitted with safety relief valves as required by the ANSI standard. Such valves shall be stamped with the date manufactured, and shall be replaced, or retested and recertified, at least every five years or more often if there is evidence of damage or deterioration. Safety relief valves on the stationary storage container shall be installed in a manifold meeting ANSI requirements.
16. Applicant shall not operate the facility unless a remotely operated internal or external positive shut-off valve is installed to allow access for emergency shut-off of all flow from stationary storage containers.
17. Applicant shall not operate the facility unless a bulkhead, anchorage, or equivalent system is used at each transfer area so that any break resulting from a pull will occur at a predictable location while retaining intact the valves and piping on the plant side of the transfer area.
18. Applicant shall not operate the facility unless liquid lines in rail and transport transfer areas are equipped with back pressure check valves and all liquid lines not requiring a back check valve and all vapor lines are equipped with properly sized excess flow valves. These valves shall be installed on the main container side of the predictable break point at the bulkhead.
19. Hose used for transferring liquid and/or vapor to and from nurse tanks shall not exceed 25 feet in length.
20. All hose shall be replaced five years after date of manufacture or more often if there is evidence of damage or deterioration.
21. Applicant shall not operate the facility unless all transfer operations including transport deliveries are performed by a reliable person properly trained and made responsible for proper compliance with all applicable procedures. At least one more person trained in the proper use of equipment and emergency procedures shall be present at the facility during all transfers.

22. Nurse tank filling shall be done only from a permanent stationary storage tank.
23. No container, including nurse and applicator tanks, shall be filled to more than 85% water capacity.
24. Nurse and applicator tank storage shall not be less than 50 feet from the property line, not less than 150 feet from any existing places of residence or private or public assembly, not less than 250 feet from a school, apartment building, or institutional occupancy, and not less than 1,000 feet from any hospital or nursing home.
25. Nurse and applicator tank storage shall not be less than 50 feet from the property line, not less than 150 feet from any existing places of residence or private or public assembly, not less than 250 feet from a school, apartment building, or institutional occupancy, and not less than 1,000 feet from any hospital or nursing home.
26. The applicant shall develop an emergency response plan to be followed in the event of an emergency. This plan shall be submitted in writing to, and approved by, the District Supervisor before any operation of the facility. Applicant shall not operate the ammonia storage facility unless this approved plan has been implemented and is maintained and followed. Prior to each spring season, the applicant shall review this plan with the local fire department.
27. Applicant shall notify the Pollution Emergency Alert System (PEAS) 1-800-292-4706 and/or the District Supervisor immediately of any abnormal release of anhydrous ammonia from the facility. A normal release includes only hose coupling bleed down and operation of hydrostatic relief valves.
28. A sign shall be present and conspicuously placed at the facility entrance stating the emergency phone numbers for the owner, primary operator, local and state police, local fire department, and ambulance service.