

APPLICABILITY

This permit authorizes the installation and operation of a wastewater disposal system only for the following:

1. A livestock hauler that owns and operates his or her own trucks and/or trailers.
2. Less than 2000 gallons of wash water is produced per day.
3. The disposal system conforms to all of the requirements specified in this permit.

INSTALLATION REQUIREMENTS

You shall install a disposal system meeting the requirements set forth below:

1. *Storage Structure* – Facilities shall be provided to contain all wastewater and solids resulting from the washing of trucks and trailers used to transport livestock.
 - (a) The storage structure shall consist of either a watertight concrete basin, or an earthen basin constructed to meet a seepage/percolation rate of not greater than 1/16 inch per day. Earthen structures shall be sealed with either bentonite (or equivalent) or a synthetic liner. The storage structure shall be capable of providing a minimum storage capacity of 45 days for all wastewater and storm water that enters the structure.
 - (b) The storage structure shall have a maximum liquid depth of six (6) feet. In no case shall the pond operating depth be less than two (2) feet.
 - (c) The side slopes for earthen structures shall not be steeper than 3:1.
 - (d) The bottom of the storage structure must be level at all points.
 - (e) The storage structure must be constructed to withstand the 100-year flood event and must not be located within a floodplain.
 - (f) A means shall be provided for removing settled solids from the structure on a regular basis to maintain the storage volume without causing damage to the structure.
2. *Storage Structure Separation Distances* – All wastewater storage structures shall conform to the following minimum separation distances:
 - (a) 1250 feet from any dwelling or inhabitable structure unless written consent to shorten, or waive this distance is obtained from the property owner and the occupant of the dwelling if the dwelling occupant is not the property owner.
 - (b) 1000 feet from public shallow wells.
 - (c) 400 feet from public deep wells.
 - (d) 400 feet from private wells.
 - (e) 500 feet from lakes and public impoundments.
 - (f) 100 feet from rights-of-way

3. *Land Application Sites*– Land application sites must conform to the following:
 - (a) A land application site may not be located within a 100-year flood plain.
 - (b) Sufficient land area shall be available to so that the wastewater application rate in Operation Requirement “m” below is not exceeded.
4. *Land Application Site Separation Distances* - All land application sites shall conform to the following minimum separation distances:
 - (a) Wastewater shall not be applied within 750 feet of dwellings or public use areas (not including public roads) unless injected or incorporated within 24 hours after the original application.
 - (b) Wastewater shall not be applied within 200 feet of potable water supply wells not located on the application field or within 200 feet of any potable water supply wells located on the application field unless it is injected or incorporated on the same day as the wastewater was land-applied.
 - (c) Wastewater shall not be applied within 200 feet of a continuous flowing stream or any physiographic feature that may provide direct connection to the groundwater unless it is injected or incorporated on the same day as the wastewater was land-applied.
 - (d) Wastewater shall not be applied within 200 feet of a public lake or impoundment unless it is injected or incorporated on the same day as the wastewater was land-applied.
 - (e) Wastewater shall not be applied within 200 feet of a public lake or impoundment used as a source of water by a potable water supply unless it is injected or incorporated on the same day as the wastewater was land-applied.
 - (f) The distances specified in 4(b) through (e) above may be reduced if there is an area of permanent vegetation cover, including filter strips and riparian forest buffers for 50 feet surrounding the land application site and no wastewater is applied to the area of permanent vegetation cover

OPERATING REQUIREMENTS

You shall operate and maintain the storage structures and land application system at all times in conformance with the following:

1. Wastewater must be held in the storage structure prior to being land applied. You are prohibited from bypassing the storage structure and directly land applying wastewater.
2. No wastewater other than wash water from washing livestock trucks and trailers that is generated at the site where the trucks and trailers are washed may be accepted for disposal.
3. Storage structures shall be maintained free of weeds, burrowing animals and other conditions that may negatively affect the integrity of the structure.
4. A minimum of 2 feet of freeboard shall be maintained in the storage structure at all times.

5. Solids shall be removed from the storage structure on a schedule that maintains the required storage capacity of the structure.
6. Wastewater shall not be applied to any site with a slope greater than 5%.
7. Wastewater may be spray irrigated but irrigation shall be limited to daylight hours when winds are 15 mph or less.
8. No ponding of the applied wastewater shall be allowed to occur.
9. Wastewater shall not be applied to flooded areas until the ground has sufficient time to dry.
10. Application of wastewater on frozen or snow covered ground should be avoided whenever possible.
11. Wastewater shall not be land applied while it is raining.
12. Land application shall be stopped immediately if runoff occurs.
13. The wastewater application rate shall not exceed one inch per hour.
14. If rainfall occurs, the amount of rainfall shall be subtracted from the allowable application rate listed in item 13 above.
15. The total annual application of nitrogen, phosphorus and potassium from all sources (including any application of commercial fertilizer or animal wastes) shall not exceed the crop uptake rate.
16. The grass or crops on the land application area shall be harvested and removed, if necessary, so the nutrient requirement is not exceeded.

MONITORING AND REPORTING REQUIREMENTS

1. You must record each day that wastewater is land applied, the volume of wastewater applied to each land application site and the number of acres to which wastewater was land applied on that date.
2. You must record the number of gallons of wash water that is produced on each day that the truck wash is operated.
3. You are not required to report data to the department but you must keep records for at least three (3) years and provide a copy of those records to the department upon request.

STANDARD CONDITIONS

1. ADMINISTRATIVE RULES

Rules of this Department that govern the operation of your facility in connection with this permit are published in Part 567 of the Iowa Administrative Code (IAC) in Chapters 60-65, 67 and 121. Reference to the term "rule" in this permit means the designated provision of Part 567 of the IAC.

2. DEFINITIONS

- (a) 7 day average means the sum of the total daily discharges by mass, volume or concentration during a 7 consecutive day period, divided by the total number of days during the period that measurements were made. Four 7 consecutive day periods shall be used each month to calculate the 7-day average. The first 7-day period shall begin with the first day of the month.
- (b) 30 day average means the sum of the total daily discharges by mass, volume or concentration during a calendar month, divided by the total number of days during the month that measurements were made.
- (c) daily maximum means the total discharge by mass, volume or concentration during a twenty-four hour period.

3. DUTY TO COMPLY

You must comply with all conditions of this permit. Any permit noncompliance is grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. Issuance of this permit does not relieve you of the responsibility to comply with all local, state and federal laws, ordinances, regulations or other legal requirements applying to the operation of your facility. *{See 567 IAC 64.7(4)"e"}*

4. DUTY TO REAPPLY

If you wish to continue to discharge after the expiration date of this permit, you must file a complete application for reissuance at least 180 days prior to the expiration date of this permit. *{See 567 IAC 64.8(1)}*

5. NEED TO HALT OR REDUCE ACTIVITY

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. *{See 567 IAC 64.7(5)"j"}*

6. DUTY TO MITIGATE

You shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment. *{See 567 IAC 64.7(5)"i"}*

7. PROPERTY RIGHTS

This permit does not convey any property rights of any sort or any exclusive privilege. *{See 567 IAC 64.4(3)"b"}*

8. SIGNATORY REQUIREMENTS

Applications, reports or other information submitted to the Department in connection with this permit must be signed and certified as required by 567 IAC 64.3(8).

9. EFFECT OF A PERMIT

Compliance with a permit during its term constitutes compliance, for purposes of enforcement, with the limitations and standards set out in 567 IAC Chapters 61 and 62. *{See 567 IAC 64.4(3)"a"}*

10. TRANSFER OF TITLE OR OWNER ADDRESS CHANGE

If title to your facility, or any part of it, is transferred the new owner shall be subject to this permit. You are required to notify the new owner of the requirements of this permit in writing prior to any transfer of title. The Director shall be notified in writing within 30 days of the transfer. No transfer of the authorization to discharge from the facility represented by the permit shall take place prior to notifying the department of the transfer of title. Whenever the address of the owner is changed, the department shall be notified in writing within 30 days of the address change. Electronic notification is not sufficient; all title transfers or address changes must be reported to the department by mail. *{See 567 IAC 64.14}*

11. PROPER OPERATION AND MAINTENANCE

All facilities and control systems shall be operated as efficiently as possible and maintained in good working order. A sufficient number of staff, adequately trained and knowledgeable in the operation of your facility shall be retained at all times and adequate laboratory controls and appropriate quality assurance procedures shall be provided to maintain compliance with the conditions of this permit. *{See 567 IAC 64.7(5)"j"}*

12. DUTY TO PROVIDE INFORMATION

You must furnish to the Director, within a reasonable time, any information the Director may request to determine compliance with this permit or determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, in accordance with 567 IAC 64.3(11)(c). You must also furnish to the Director, upon request, copies of any records required to be kept by this permit.

13. PERMIT MODIFICATION, SUSPENSION OR REVOCATION

- (a) This permit may be modified, suspended, or revoked and reissued for cause including but not limited to those specified in 567 IAC 64.3(11).
- (b) This permit may be modified due to conditions or information on which this permit is based, including any new standard the department may adopt that would change the required effluent limits. *{See 567 IAC 64.3(11)}*
- (c) If a toxic pollutant is present in your discharge and more stringent standards for toxic pollutants are established under Section 307(a) of the Clean Water Act, this permit will be modified in accordance with the new standards. *{See 567 IAC 64.7(5)"g"}*

The filing of a request for a permit modification, revocation or suspension, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

14. SEVERABILITY

The provisions of this permit are severable and if any provision or application of any provision to any circumstance is found to be invalid by this department or a court of law, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected by such finding.

15. FAILURE TO SUBMIT FEES

This permit may be revoked, in whole or in part, if the appropriate permit fees are not submitted within thirty (30) days of the date of notification that such fees are due. *{See 567 IAC 64.16(1)}*

STANDARD CONDITIONS

16. REPORTING A DISCHARGE (TWENTY-FOUR HOUR REPORTING)

You shall report any noncompliance that may endanger human health or the environment, including, but not limited to, violations of maximum daily limits for any toxic pollutant or hazardous substance. Information shall be provided orally within 24 hours from the time you become aware of the circumstances. A written submission including a description of noncompliance and its cause; the period of noncompliance including exact dates and times, whether the noncompliance has been corrected or the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent a reoccurrence of the noncompliance must be provided within 5 days of the occurrence. *{See 567 IAC 63.12}*

17. OTHER NONCOMPLIANCE

You shall report all instances of noncompliance not reported under Condition #13 at the time monitoring reports are submitted. You shall give advance notice to the appropriate regional field office of the department of any planned activity which may result in noncompliance with permit requirements. *{See 567 IAC 63.14}*

18. PLANNED CHANGES

The permittee shall give notice to the appropriate regional field office of the department 30 days prior to any planned physical alterations or additions to the permitted facility. Notice is required only when:

- (a) Notice has not been given to any other section of the department: (Note: Facility expansions, production increases or process modifications which may result in new or increased discharges of pollutants must be reported to the Director in advance. If such discharges will exceed effluent limitations, your report must include an application for a new permit. If any modification of, addition to, or construction of a disposal system is to be made, you must first obtain a written permit from this Department.) *{See 567 IAC 64.7(5)“a” and 64.2}*
- (b) The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source as defined in 567—60.2(455B);
- (c) The alteration or addition results in a significant change in the permittee’s sludge use or disposal practices; or
- (d) The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants that are not subject to effluent limitations in the permit.

{See 567 IAC 63.13 and 63.14}

19. NOTICE OF CHANGED CONDITIONS

You are required to notify the director of any changes in existing conditions or information on which this permit is based. This includes, but is not limited to, the following:

- a) If your facility is a publicly owned treatment works (POTW) or otherwise may accept waste for treatment from an indirect discharger or industrial contributor (see 567 IAC 64.3(5) for further notice requirements).
- (b) If your facility is a POTW and there is any substantial change in the volume or character of pollutants being introduced by a source introducing pollutants into the POTW at the time of issuance of the permit.

- (c) As soon as you know or have reason to believe that any activity has occurred or will occur which would result in the discharge of any toxic pollutant which is not limited in this permit.
- (d) If you have begun or will begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant which was not reported in the permit application.
- (e) No construction activity that will result in disturbance of one acre or more shall be initiated without first obtaining coverage under NPDES General Permit No. 2 for “Storm water discharge associated with construction activity”.

20. MONITORING AND RECORDS OF OPERATION

- (a) Maintenance of records. You shall retain for a minimum of three years all paper and electronic records of monitoring activities and results including all original strip chart recordings for continuous monitoring instrumentation and calibration and maintenance records. *{See 567 IAC 63.2(3)}*
- (b) Any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than \$10,000 or by imprisonment for not more than two years, or both.

21. USE OF CERTIFIED LABORATORIES

Effective October 1, 1996, analyses of wastewater, groundwater or sewage sludge that are required to be submitted to the department as a result of this permit must be performed by a laboratory certified by the State of Iowa. Routine, on-site monitoring for pH, temperature, dissolved oxygen, total residual chlorine and other pollutants that must be analyzed immediately upon sample collection, settleable solids, physical measurements, and operational monitoring tests specified in 567 IAC 63.3(4) are excluded from this requirement.

22. INSPECTION OF PREMISES, RECORDS, EQUIPMENT, METHODS AND DISCHARGES

You are required to permit authorized personnel to:

- (a) Enter upon the premises where a regulated facility or activity is located or conducted or where records are kept under conditions of this permit.
- (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit.
- (c) Inspect, at reasonable times, any facilities, equipment, practices or operations regulated or required under this permit.
- (d) Sample or monitor, at reasonable times, to assure compliance.

23. OTHER INFORMATION

Where you become aware that you failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application, you must promptly submit such facts or information. Where you become aware that you failed to submit any relevant facts in the submission of in any report to the director, including records of operation, you shall promptly submit such facts or information. *{See 567 IAC 60.4(2)“a” and 567 IAC 63.7}*