



Plan Approval

Treated Sewage Land Application Management Plan

FOR AGENCY USE ONLY	
Application Number:	Date Received: / /
District office: Please check which applies: <input type="checkbox"/> Design flow less than 10,000 gpd <input type="checkbox"/> Design flow greater than or equal to 10,000 gpd	District office: Please check which applies: <input type="checkbox"/> Land application rate less than or equal to 12 inches/acre/year <input type="checkbox"/> Land Application rate greater than 12 inches/acre/year
District office: please check which applies: The land application system is: <input type="checkbox"/> A discharging land application system; or <input type="checkbox"/> A non-discharging land application system.	District office: please indicate recommended term of plan approval (based on compliance record): <input type="checkbox"/> 5 years <input type="checkbox"/> 10 years

General Information	
Applicant:	
Project Name:	
County (ies) that Project is Located in:	Treatment Works
	Land Application Area
Source(s) of Treated Sewage:	(Treatment Works name)
Operator Certification Class required for the WWTP (check one): <input type="checkbox"/> A <input type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV (See Rule 3745-7 of the Ohio Administrative Code for Operator Certification Requirements)	
How many hours per week is the operator present at the Treatment Works? _____ hours/week	
Check appropriate response: <input type="checkbox"/> Initial management plan application <input type="checkbox"/> Renewal management plan application <input type="checkbox"/> Transfer Application	
Is a NPDES permit required for this project? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, state NPDES permit number: _____	
If this is a management plan application for a system installed prior to July 1, 2007, skip to Item V.	
<i>(Note: If no NPDES permit is required, this form shall be submitted with a PTI/Plan Approval Application Form A and plan approval fee; if a NPDES permit is required, this form shall be submitted with the NPDES permit application form and NPDES permit application fee – no separate plan approval fee is required. Refer to Rule 3745-42-13 (E) of the Administrative Code for NPDES permit requirements for land application systems).</i>	
Is Applicant for the Land Application Management Plan the Operator/Owner of the Treatment Plant? <input type="checkbox"/> Yes <input type="checkbox"/> No If not, please explain and state who is responsible for monitoring the treatment plant effluent quality:	

At a minimum, the following items shall be included in the land application management plan required by Rule 3745-42-13 of the Administrative Code. Any additional unique features must be described on separate pages and attached to this plan.

A. Treatment and Storage Information

Average Daily Design Flow to the Treatment Works: _____ gpd

Average Actual Flow to the treatment works (if existing treatment works): _____ gpd

Sewage Treatment Class That Will be Attained:

Class A Class B

Class C (only an option for Land Application Systems with a design flow less than 10,000 gpd)

Attach a sheet indicating the effluent limits and minimum monitoring frequencies that must be followed in accordance with table (K)(1) of Rule 3745-42-13 of the Administrative Code.

B. Describe the method or methods used for the storage and land application of treated sewage (including detailed information about the distribution system):

C. Describe the experience of the operator of the land application system in operating a land application system, and state how many hours per week the operator will be working at the land application system location:

D. Describe the additional storage volume provided for the treated sewage that will be available for times when land application is not practical or allowable (indicate units):

E. Describe the minimum freeboard to be provided in the storage facility (ies) (refer to Table H-3 of Rule 3745-42-13 of the Administrative Code for minimum freeboard requirement, and the design plans – enter most stringent) and how it will be measured and maintained:

F. Equipment calibration & maintenance schedule (add more rows as needed):

Type of Equipment	Frequency of Calibration	Frequency of Maintenance

Land Application/Irrigation Management

G. Indicate how much treated sewage will be land applied (*check all that apply*) in inches per acre for each month (if zero, enter zero) for each land application area. Attach an additional sheet for each land application area.

Land application area location: _____ (Include County)

_____ January _____ February _____ March _____ April _____ May _____ June
 _____ July _____ August _____ September _____ October _____ November _____ December

Hours of the Day that land application may occur. (Please check a.m. or p.m.)
 From _____ a.m. p.m. To _____ a.m. p.m.

Total Annual Application Rate for the land application area is:
 less than or equal to 12 inches/acre/year greater than 12 inches/acre/year

H. Please provide justification supporting the determination of the land application rate(s) and the total acres required and available for land application, in accordance with paragraphs (E) and (F) of Rule 3745-42-13 of the Administrative Code:

I. Please describe the appropriate weather conditions required for the land application of treated sewage and how they will be determined:

J. Check which land application restrictions are applicable and will be followed (if any of these will not be followed, attach a separate sheet explaining how the requirements of Rule 3745-42-13 of the Administrative Code will be met):

No land application during precipitation events	<input type="checkbox"/> Will be followed	<input type="checkbox"/> Allowed per NPDES Permit
No land application on frozen or snow covered ground	<input type="checkbox"/> Will be followed	<input type="checkbox"/> Allowed per NPDES Permit
No spray irrigation when instantaneous wind speeds exceed 20 miles per hour	<input type="checkbox"/> Will be followed	<input type="checkbox"/> Will not be followed
No land application within 10-year floodplain	<input type="checkbox"/> Will be followed	<input type="checkbox"/> Will not be followed
No land application in wetlands	<input type="checkbox"/> Will be followed	<input type="checkbox"/> Will not be followed
No land application where the land application contract is expired or void	<input type="checkbox"/> Will be followed	<input type="checkbox"/> Will not be followed
No land application when the ground is saturated at or near the surface	<input type="checkbox"/> Will be followed	<input type="checkbox"/> Will not be followed
Land application will only occur where there is at least 12 inches between final grade and bedrock, sand or gravel lenses, compacted glacial till, and/or normal ground water elevation.	<input type="checkbox"/> Will be followed	<input type="checkbox"/> Will not be followed
No land application within the emergency management zone of a public water system using surface water or within 1,500 of any drinking water intake, whichever is greater unless the treated sewage meets the water quality standards established for the public water supply use designation under Chapter 3745-1 of the Administrative Code.	<input type="checkbox"/> Will be followed	<input type="checkbox"/> Will not be followed

K. Isolation Distances for Land Application Areas – please indicate the setbacks that will be provided in accordance with rule 3745-42-13(J):

Siting Criteria	Minimum Isolation Distance Provided (feet)*
Private potable water source not owned by the person land applying sewage	_____
Private potable water source owned by the person land applying sewage	_____
UIC Class V Injection Well	_____
Sinkhole or Karst Feature	_____
Property line	_____
Human crops that may be eaten raw	_____

L. Please explain how the additional siting criteria for Land Application of Class A Treated Sewage will be met per paragraph (J)(2) of Rule 3745-42-13 of the Administrative Code: N/A

M. Please explain how the additional siting criteria for Land Application of Class B Treated Sewage will be met per paragraph (J)(3) of Rule 3745-42-13 of the Administrative Code: N/A

N. Will Class C treated sewage be land applied in accordance with paragraph (J)(4) of Rule 3745-42-13 of the Administrative Code? Yes No

** Refer to Paragraph (C), Table J-1 and Paragraphs (J)(2) to (J)(4) of Rule 3745-42-13 of the Administrative Code for minimum required isolation distances for land application areas.*

O. Describe how treated sewage will be land applied so as to minimize direct human contact, and the potential for creating aerosols and mist:

P. Describe or list any other practices that will be used to minimize pollutant discharges or nuisances:

**Q. Will ground water monitoring exemptions for the storage facility or land application site(s) apply?
If so, please list which one(s):**

If not, describe who is responsible for the ground water monitoring program and indicate when the program was approved by Ohio EPA (see paragraph (L) of Rule 3745-42-13 of the Administrative Code for ground water monitoring requirements):

R. Describe how operation and maintenance records for the land application system will be kept in accordance with Rule 3745-42-13 of the Administrative Code:

S. A record keeping form showing how and where land application records will be kept shall be attached. Records shall be kept in accordance with paragraph (O) of Rule 3745-42-13 of the Administrative Code.

Ohio EPA's Land Application Record Form or Our Own Land Application Record Form is attached.

T. Will the land application system serve two or more homes or treat 10,000 gpd or greater and not be operated by a public entity?

Yes No

If yes, then the additional information listed in Paragraph (D)(6)(f) of Rule 3745-42-13 of the Administrative Code must be attached with the initial land application management plan.

U. A map locating each land application site shall be attached. Each site shall be labeled "Restricted access site" or "Un-restricted access site". The map(s) shall show the following items and are considered part of this plan:

- All present and known proposed occupied buildings within 300 feet of the land application area.
- All present and known proposed non occupied buildings within 300 feet of the land application area.
- Developments and Public access areas within 300 feet of the land application area.
- All public sewerage system(s) and their planning area(s) within 1,000 feet of the land application area.
- All drinking water supply intakes or emergency management zones within 1,000 feet of the land application area.
- Location of signs required in accordance with rule 3745-42-13(E)(1).

V. Land Application Systems installed prior to the effective date of Rule 3745-42-13 of the Administrative Code

This section references land application systems that have been installed/in operation prior to July 1, 2007.

Please check which applies:

No treated sewage shall be land applied within the emergency management zone of a public water system using surface water or within one thousand five hundred feet of any drinking water intake, whichever is greater unless the treated sewage meets the water quality standards established for the public water supply use designation under Chapter 3745-1 of the Administrative Code. Will be followed Will not be followed.

The following items shall be attached for existing land application systems:

- Effluent pollutant sampling and monitoring records for the past five years.
- Flow monitoring records for the past five years.
- A description of how the land application of treated sewage is managed including application rates, setbacks, and the practices that are used to comply with paragraph (E)(1) of Rule 3745-42-13 of the Administrative Code.

Miscellaneous Information:

The following items shall be included with this land application management plan:

- Two copies of the Permit-to-Install/Plan Approval Application Form A or the NPDES Permit Application.
- Two copies of the site and soil evaluation required in accordance with rule 3745-42-13(N).
(For renewal applications, this is only needed if additional or different areas will be used for land application)
- One copy of the effluent pollutant sampling and flow monitoring records for the last five years. (Renewal Applications Only)
- Four copies of this management plan and any attachments.
- Fee check payable to "Treasurer, State of Ohio."

The following additional information is included with this form:

Signature: The foregoing data is a true statement of facts pertaining to this proposed land application management plan.

Date: / / Signed:

Plan prepared by: