Minnesota Pollution Control Agency
520 Lafayette Road North
St. Paul, MN 55155-4194

Site Application Form

Minnesota's Biosolids Program
Figure 9

If this form is not completely filled in, the Minnesota Pollution Control Agency (MPCA) staff will return it. (Each form can be used for up to three sites.)

1.	**Site information**	**Site code**	**Site code**	**Site code**
2.	**Landowner's name**			
	Address			
3.	**Land occupier's name**			
	Address			
4.	**Legal description:**			
	Quarter/Section			
	Township coordinate			
	Range coordinate			
	Township name			
	County			
	Total approvable acreage			

5. **Attach a soils map from the Natural Resources Conservation Service (NRCS) or a comparable map prepared by a soil scientist. Delineate the following on the map (enlarge the map, if necessary):**

a. Boundaries of each proposed site (approvable acreage)
b. Locations of any long-term dewatered biosolids storage areas
c. Location of all tile lines (transfer tile location data to the soil map)
d. Locations of all tile inlets
e. Areas that will not be used for biosolids application. Identify these areas by coloring or crosshatching. Be sure the map shows the features for which setbacks occur.

6. **List highly permeable soils on the site (obtain from the NRCS):**

7.	**Tile drainage? (yes, no)**			
	List tile spacing			
	List tile depth			
8.	**Soil analysis:**			
	Sampling date			
	Texture (USDA)			
	Organic matter (%)			
	Extractable phosphorus (ppm)			
	Exchangeable potassium (ppm)			
	pH			
	Soluble salts (mmhos/cm)			

Site management

	Site code	Site code	Site code

9. Biosolids will be (check all that apply):

Site code	Site code	Site code
☐ Injected	☐ Injected	☐ Injected
☐ Surface applied	☐ Surface applied	☐ Surface applied
☐ Surface applied and incorporated:	☐ Surface applied and incorporated:	☐ Surface applied and incorporated:
☐ within 48 hours	☐ within 48 hours	☐ within 48 hours
☐ within 6 hours	☐ within 6 hours	☐ within 6 hours

10. How will public access to each site be controlled?

11. Will biosolids be stored onsite short-term (less than 30 days)?

12. Must biosolids be stored long-term (greater than 30 days but less than 7 months)?

If long-term storage of biosolids is proposed, fill out page 4 of this form.

13. List any other waste materials currently applied to this site, including manure or other biosolids. Describe the materials and include a copy of any contracts or agreements the landowner holds for each material that is land applied. If permits or approval are required for land applying these materials, list the name, address and telephone number of each regulatory contact.

How will your proposed application rate be affected by other waste materials applied to the site?

14. *For non-agricultural use:* If modifications of soil conditions, slope or separation distances are requested for a non-agricultural site, attach a description of the proposed modifications and the environmental benefits expected from applying biosolids under the proposed conditions.

15. Applier's name
Address
Phone number

16. Form prepared by - name:
Address
Phone number
Type IV Certification number
Expiration date

Cropping and site management

For each proposed site, fill in the information for crop rotations and application rates. Identify crops that are most likely to be grown, realistic yield goals, maximum available nitrogen application (MANA) rates and the agronomic rate that correlates to the MANA rate. Provide the analysis used in calculating these agronomic rates in percentages:

Kjeldahl-N ____________ **NH_3N** _______________ **Total solids** ______________

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1. Site code ___________

2.	**Crop types**	**Realistic yield goal (give units)**	**MANA rate (lbs/acre)**	**Allowed agronomic rate dry tons/acre**	**Allowed agronomic rate gal. or wet tons/acre**

3. Check the months that the site is intended to be used for application:

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

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1. Site code ___________

2.	**Crop types**	**Realistic yield goal (give units)**	**MANA rate (lbs/acre)**	**Allowed agronomic rate dry tons/acre**	**Allowed agronomic rate gal. or wet tons/acre**

3. Check the months that the site is intended to be used for application:

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

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1. Site code ___________

2.	**Crop types**	**Realistic yield goal (give units)**	**MANA rate (lbs/acre)**	**Allowed agronomic rate dry tons/acre**	**Allowed agronomic rate gal. or wet tons/acre**

3. Check the months that the site is intended to be used for application:

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

Request to Store Biosolids Longterm

1. **Site code** _____ **(site where biosolids are proposed to be stored)**

2. **Describe why long-term storage is needed.**

3. **List the dimensions of each storage area (in square feet).** _____

4. **List the maximum quantity of biosolids proposed to be stored at each location at any one time (in dry tons).** _____

5. **List the maximum length of time biosolids are proposed to be stored at this location prior to land application (in days).** _____

6. **Describe how storage will be managed to control any leachate or runoff.**

7. **Attach boring logs that provide all of the following information (at least two soil borings are required to a depth of ten feet at the perimeter of the proposed storage area):**

   - ☐ texture and thickness of each soil horizon encountered
   - ☐ color and presence or absence of mottling for each soil horizon encountered
   - ☐ depth to seasonal high water table, if encountered
   - ☐ depth to bedrock, if encountered

Separation distances required for long-term storage areas

1. **Long-term storage of biosolids intended for application areas of 40 acres or less must not take place within 400 feet of any residence. This separation distance increases 100 feet for every additional 10 acres of land application area, or portion thereof, up to a maximum of 1,000 feet. Separation distances may be reduced if all persons residing within the otherwise protected distance give written permission.**

2. **Long-term storage of biosolids must not take place within 1,000 feet of any residential development or public contact site.**

3. **Long-term storage of biosolids must not take place within 1,000 feet of any downgradient surface waters, unless measures are taken to control runoff, in which case the separation distance may be reduced to 200 feet.**