08/20/13 REVISOR CKM/JK RD4161

## **Pollution Control Agency**

## 1.2 Proposed Permanent Rules Making Minor Corrections to Miscellaneous

#### 1.3 Water-Related Rules

1.1

1.4

1.5

1.6

1.7

1.8

1.9

1.10

1.11

1.12

1.13

1.14

1.15

1.16

1.17

1.18

1.19

## 7041.1200 MANAGEMENT PRACTICES AND LIMITATIONS.

## [For text of subps 1 and 2, see M.R.]

Subp. 3. **Suitable soil conditions, slopes, and separation distances.** The suitable soil conditions in item A and the suitable slopes and separation distances in item B must be met when bulk sewage sludge is applied to agricultural land application sites. These conditions and limitations must also be met when bulk sewage sludge is applied to nonagricultural sites such as reclamation, forest, or public contact sites unless approved by the commissioner under the requirements of part 7041.0800, subpart 5. Bulk sewage sludge must not be applied to agricultural land, forest, a public contact site, or a reclamation site that is 33 feet or less from surface waters or wetlands unless specified otherwise in a permit.

## [For text of item A, see M.R.]

B. Suitable slopes and separation distances must be as described in this item. If applied through irrigation equipment, aerosol drift shall not be in contact with the feature specified.

# BULK SEWAGE SLUDGE APPLIED TO THE LAND SUITABLE SLOPES AND SEPARATION DISTANCES

| 1.20<br>1.21         | Criteria   | Surface<br>Applied | Incorporation within 48 hrs. | Injection          |
|----------------------|--|--------------------|------------------------------|--------------------|
| 1.22                 | Depth to bedrock   | $3^1$ ft.          | 3 <sup>1</sup> ft.           | $3^1$ ft.          |
| 1.23<br>1.24<br>1.25 | Depth to seasonal high water table <sup>2</sup> or drain tile <sup>3</sup> | $3^1$ ft.          | 3 <sup>1</sup> ft.           | 3 <sup>1</sup> ft. |
| 1.26                 | Allowable slopes   | 0% to 6%           | 0% to 12%                    | 0% to 12%          |
| 1.27                 | Distance to wells  |                    |                              |                    |

7041.1200 1 wg-04-05b

|              | 08/20/13  | REVISOR                                      | CKM/JK          | RD4161            |  |  |
|--------------|---|--|-----------------|-------------------|--|--|
| 2.1          | Private supply  | 200 ft.                                      | 200 ft.         | 200 ft.           |  |  |
| 2.2          | Public supply   | 1000 ft.                                     | 1000 ft.        | 1000 ft.          |  |  |
| 2.3          | Irrigation  | 50 ft.                                       | 25 ft.          | 25 ft.            |  |  |
| 2.4          | Distance to residences <sup>4</sup>   | 200 ft.                                      | 200 ft.         | 100 ft.           |  |  |
| 2.5<br>2.6   | Distance to residential development <sup>4</sup>  | 600 ft.                                      | 600 ft.         | 300 ft.           |  |  |
| 2.7<br>2.8   | Distance to public contact site <sup>4</sup>  | 600 ft.                                      | 600 ft.         | 300 ft.           |  |  |
| 2.9<br>2.10  | Down gradient <sup>5</sup> lakes, rivers, streams, type 3, 4, and 5 wetlands, intermittent streams <sup>6</sup> , or tile inlets connected to these surface waters, and sinkholes |  |                 |                   |  |  |
| 2.11         | to the  | ·  |                 |                   |  |  |
| 2.11         | to the Slope 0% to 6%   | ·  |                 | 50 ft.            |  |  |
|              |   | ese surface waters, and si                   | inkholes        | 50 ft.<br>100 ft. |  |  |
| 2.12         | Slope 0% to 6%  | ese surface waters, and since 200 ft.        | inkholes 50 ft. |                   |  |  |
| 2.12<br>2.13 | Slope 0% to 6%  | ese surface waters, and si<br>200 ft.<br>N/A | inkholes 50 ft. |                   |  |  |

<sup>1</sup>The depth is calculated from the zone of sewage sludge application and the separation distance for highly permeable soils is 5 feet.

<sup>2</sup>For the purpose of this item, a perched water condition shall not be considered a seasonal high water table.

<sup>3</sup>The depth to subsurface drainage tiles shall be considered the depth to the seasonal high water table for sites with tile drainage systems that are designed according to or equivalent to Natural Resources Conservation Service engineering standards and criteria.

<sup>4</sup>Separation distances may be reduced with written permission from all persons responsible for residential developments and places of recreation and all persons inhabiting within the otherwise protected distance.

<sup>5</sup>If downgradient surface water does not receive runoff because the site is bermed, separation distances can be reduced to 33 feet.

7041.1200

2.17

2.18

2.19

2.20

2.21

2.22

2.23

2.24

2.25

2.26

2.27

| 08/20/13                                   | REVISOR                   | CKM/JK                  | RD4161        |
|--|---------------------------|-------------------------|---------------|
| <sup>6</sup> For the purpose of this item, | intermittent stream me    | ans a drainage char     | nnel with     |
| definable banks that provides for r        | runoff flow to any of the | e surface waters list   | ted in this   |
| item during snow melt or rainfall          | events.                   |                         |               |
| <sup>7</sup> Separation distances are from | n the centerline of grass | sed waterways. For      | grassed       |
| waterways which are wider than th          | nese separation distance  | es, application is all  | lowed to the  |
| edge of the grass strip. Grassed wa        | aterways are natural or   | constructed, typical    | lly broad and |
| shallow, and seeded to grass as pro        | otection against erosion  | ı.                      |               |
| [For text                                  | xt of subps 4 to 9, see 1 | <u>M.R.]</u>            |               |
| 7041.1300 OPERATIONAL STA                  | ANDARDS; PATHOG           | EN REDUCTION            | ١.            |
| [For                                       | text of subp 1, see M.    | <u>R.]</u>              |               |
| Subp. 2. Pathogens in sewa                 | ge sludge; Class A. To    | be classified Class     | A with        |
| respect to pathogen reduction, the         | requirements in items A   | A and B must be me      | et.           |
| [For text                                  | xt of items A to F, see   | M.R.]                   |               |
| G. Class A, Alternative                    | 5. Sewage sludge shall    | l be treated in one     | of the        |
| processes to further reduce pathog         | gens in subitems (1) to ( | [7).                    |               |
| [For te                                    | ext of subitem (1), see N | <u>M.R.]</u>            |               |
| (2) Heat drying. Se                        | ewage sludge is dried by  | y direct or indirect of | contact with  |
| hot gases to reduce the moisture c         | ontent of the sewage sl   | udge to 10 percent      | or lower.     |
| Either the temperature of the sewa         | ge sludge particles exc   | eeds 80 degrees Ce      | Isius or the  |

wet bulb temperature of the gas in contact with the sewage sludge as the sewage sludge

[For text of subitems (3) to (7), see M.R.]

[For text of item H, see M.R.]

[For text of subp 3, see M.R.]

7041.1300

leaves the dryer exceeds 80 degrees Celsius.

3.1

3.2

3.3

3.4

3.5

3.6

3.7

3.8

3.9

3.10

3.11

3.12

3.13

3.14

3.15

3.16

3.17

3.18

3.19

3.20

| 08/20/13    | REVISOR         | CKM/JK              | RD4161    |
|-------------|-----------------|---------------------|-----------|
| 118/7/11/13 | REVISOR         | ( 'K   \/   /     K | R11/1161  |
| VO(ZV(1)    | 13.17.7.133.713 |                     | 111741111 |

| 7041 1800 | PROVISIONS FOR | SEWAGE SLUDGE FROM SEPTIC TANKS. |
|-----------|----------------|----------------------------------|
|           |                |                                  |

[For text of subps 1 to 3, see M.R.]

Subp. 4. **Monitoring, record keeping, and reporting.** The permittee must obtain and keep on record for five years, the information required to be in compliance with this chapter including:

A. the following certification statement for all septage applied to the land:

"I certify, under penalty of law, that the information that will be used to determine compliance with the pathogen and vector attraction reduction requirements in subpart 2 3, item A, B, or C [insert either subpart 3, item A, B, or C] the management practices in part 7041.1200, and the site restrictions in part 7041.1300, subpart 3, item D, has been prepared under my direction and supervision according to the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the pathogen and vector attraction reduction requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.";

## [For text of items B to J, see M.R.]

#### 7041.3400 ANALYSIS OF SOILS.

4.1

4.2

4.3

4.4

4.5

4.6

4.7

4.8

4.9

4.10

4.11

4.12

4.13

4.14

4.15

4.16

4.17

4.18

4.19

4.20

4.21

4.22

4.23

4.24

4.25

## [For text of subps 1 and 2, see M.R.]

Subp. 3. **Seasonal high water table.** The documents in items A and B are incorporated by reference for determining the depth to and type of seasonal high water table for different soil types When the necessary information for determining the depth to and type of seasonal water table is not available from the Natural Resources Conservation Service, the information may be obtained from either the document in item A or the procedure identified in item B. These references are not subject to frequent change and are available through the Minitex interlibrary loan system or addresses given.

7041.3400 4

| 08/20/13 | REVISOR  | CKM/JK     | RD4161  |
|----------|----------|------------|---------|
| 00/20/13 | KL VISOK | CIXIVI/JIX | INDTIVI |

5.1

5.2

5.3

5.4

5.5

5.6

5.7

5.8

5.9

5.10

5.11

5.12

5.13

5.14

5.15

5.16

5.17

5.18

5.19

5.20

5.21

5.22

5.23

5.24

5.25

5.26

A. Determination of the depth of soil having mottles with a chroma of two or less as discussed on pages 15 to 17 of in Keys to Soil Taxonomy, Sixth Edition (1994 2010 and as subsequently amended), issued by the United States Department of Agriculture, Natural Resources Conservation Service (Washington D.C., United States Government Printing Office). The document is incorporated by reference, is subject to frequent change, and is available at http://soils.usda.gov/technical/classification/tax\_keys/.

B. Measurement of water levels at monthly intervals over the course of one year in piezometers water table monitoring devices. The highest water level measurement obtained is acceptable as the seasonal high water table. Piezometers must be installed according to the Minnesota Department of Health Well Code, chapter 4725, available from Office of State Register, Minnesota Bookstore, 117 University Avenue, Saint Paul, Minnesota 55155.

#### 7053.0405 REQUIREMENTS FOR AQUACULTURE FACILITIES.

Subpart 1. **Definitions.** For purposes of this part, the terms in items A to  $\underline{J}\underline{G}$  have the meanings given them.

#### [For text of items A to E, see M.R.]

F. "Continuous discharge" means a discharge that occurs without interruption throughout the operating hours of the facility, except for infrequent shutdowns for maintenance, process changes, or other similar activities.

G. "Existing beneficial uses" means the uses that have been made or may be reasonably anticipated to be made during the time of the proposed operations of waters of the state for domestic water supply, tourism and recreational industries, transportation, industrial consumption, wellhead protection, wildlife sustenance, wetland protection, fire protection, fire prevention, or other uses within this state, and, at the discretion of the agency, any uses in another state or interstate waters flowing through or originating in this state.

| 08/20/13 | REVISOR | CKM/JK | RD4161 |
|----------|---------|--------|--------|
|          |         |        |        |

| 6.1  | H <u>F</u> . "Fish food" means materials including processed feeds, grains and seeds,        |
|------|--|
| 6.2  | plants, plant wastes, meat, and dead fish or other dead animal parts, but not including      |
| 6.3  | living aquatic animals, for the purposes of sustaining growth, repairing vital processes, or |
| 6.4  | furnishing energy for aquatic animals present in the facility.                               |
| 6.5  | I. "Recirculating flow" means wastewater, within a concentrated aquatic animal               |
| 6.6  | production facility, that is collected from aquatic animal rearing units, treated, and then  |
| 6.7  | returned to aquatic animal rearing units for reuse.  |
| 6.8  | <u>J.G.</u> "Warm and cool water aquatic animals" means all other aquatic animals no         |
| 6.9  | included in the Salmonidae family of fish.   |
| 6.10 | [For text of subp 2, see M.R.]   |
| 6.11 | Subp. 3. Treatment technology discharge requirements.  |
| 6.12 | [For text of items A and B, see M.R.]  |
| 6.13 | C. The owner or operator of a recirculating flow facility may apply for a                    |
| 6.14 | variance from the requirements of item B according to parts 7000.7000 and 7053.0195.         |
| 6.15 | The variance application must provide detailed information on:                               |
| 6.16 | (1) the treatment, collection, removal, and disposal of wastes after                         |
| 6.17 | wastewater flow leaves aquatic animal rearing units and before the wastewater is returned    |
| 6.18 | for reuse to rearing units;  |
| 6.19 | (2) the rate of wastewater discharge flow compared to the volume of water                    |
| 6.20 | in the aquatic animal rearing units;   |
| 6.21 | (3) the reduction in the mass discharge of pollutants due to the design,                     |
| 6.22 | operation, and maintenance of the recirculating system; and                                  |
| 6.23 | (4) the reduction in water appropriation due to the design, operation, and                   |
| 6.24 | maintenance of the recirculating system.   |

7053.0405 6

|      | 08/20/13                       | REVISOR                                      | CKM/JK                        | RD4161                 |
|------|--------------------------------|--|-------------------------------|------------------------|
| 7.1  |                                | [For text of subp 4, see M.R.]               |                               |                        |
| 7.2  | Subp. 5. [See repealer         | .]   |                               |                        |
| 7.3  |                                | [For text of subp 6, see M.R.]               |                               |                        |
| 7.4  | 7076.0140 NOTICE OF F          | INANCIAL ASSISTANCE AV                       | AILABILITY.                   |                        |
| 7.5  | Subpart 1. Notice. The         | e commissioner will <del>publish in th</del> | ne State Register             | <del>a</del> provide   |
| 7.6  | notice that proposals for pr   | roject grants and loans will be ac           | ccepted whenever              | r the                  |
| 7.7  | commissioner determines th     | at funds are available to award th           | ne financial assist           | tance. Notice          |
| 7.8  | will be provided through the   | e agency's Web site, through the             | state's electronic            | financial              |
| 7.9  | portal, or by publication in   | the State Register. The notice wi            | ll contain the req            | <sub>l</sub> uirements |
| 7.10 | necessary for the proposal a   | and a deadline for proposal subm             | ittal, which must             | be no less             |
| 7.11 | than 60 days from the date     | of publication notification.                 |                               |                        |
| 7.12 | [1                             | For text of subps 2 and 3, see M.            | <u>R.]</u>                    |                        |
| 7.13 | 7080.2050 DISTRIBUTIO          | ON OF EFFLUENT.                              |                               |                        |
| 7.14 | []                             | For text of subps 1 and 2, see M.            | <u>R.]</u>                    |                        |
| 7.15 | Subp. 3. Gravity dist          | ribution.                                    |                               |                        |
| 7.16 | ]                              | For text of items A to C, see M.             | R.]                           |                        |
| 7.17 | D. Distribution be             | oxes must meet the standards in s            | subitems (1) to (6            | 5).                    |
| 7.18 | [For                           | r text of subitems (1) to (5), see           | M.R.]                         |                        |
| 7.19 | (6) When sev                   | wage tank effluent is delivered by           | pump, a baffle                | wall must be           |
| 7.20 | installed in the distribution  | box or the pump discharge must               | be directed again             | nst a wall,            |
| 7.21 | baffle, side of the box on w   | hich there is no outlet, or directed         | d against a deflec            | ction wall,            |
| 7.22 | baffle, or other energy dissip | pater. The baffle must be secured            | to the box and e              | xtend at least         |
| 7.23 | one inch above the crown o     | f the inlet pipe. The discharge ra           | te into the <del>drop</del> o | distribution           |

7080.2050 7

|              | 08/20/13          |                     | REVIS                       | SOR                       | CKM/JK                      | RD4161                  |
|--------------|-------------------|---------------------|-----------------------------|---------------------------|-----------------------------|-------------------------|
| 8.1          | box must not re   | sult in surfacing o | of sewage from              | n the <del>drop</del> box | k. Pressure mu              | st not build up         |
| 8.2          | in the box durin  | g pump discharge    | e.                          |                           |                             |                         |
| 8.3          |                   | [Fo                 | or text of item             | E, see M.R.]              |                             |                         |
| 8.4          |                   | <u>[Fo</u>          | r text of subp              | 4, see M.R.]              |                             |                         |
| 8.5          | 7080.2150 FIN     | AL TREATMEN         | NT AND DIS                  | PERSAL.                   |                             |                         |
| 8.6          |                   | [For te             | xt of subps 1 a             | and 2, see M.I            | R.]                         |                         |
| 8.7          | Subp. 3. <b>O</b> | ther technical re   | equirements f               | or systems. It            | ems A to M ar               | re required for         |
| 8.8          | specific designs  | as determined in    | parts 7080.22               | 00 to 7080.24             | 00.                         |                         |
| 8.9          |                   | [For te             | ext of items A              | to D, see M.F             | <u>R.]</u>                  |                         |
| 8.10         | E. Th             | e system's absorp   | otion area and              | mound absorp              | otion ratio mus             | t be sized              |
| 8.11         | according to Tal  | ble IX or IXa.      |                             |                           |                             |                         |
| 8.12         |                   |                     | TABLE                       |                           |                             |                         |
| 8.13         |                   | RATES FOR DET       |                             |                           |                             |                         |
| 8.14         | ABSOI             | RPTION RATIOS       | S USING DET                 | AILED SUIL                | DESCRIPTIC                  | JNS "                   |
| 8.15         |                   |                     | Treatment                   | Treatment                 | Treatment                   | Treatment               |
| 8.16         |                   |                     | Level C                     | Level C                   | Level A,                    | Level A,<br>A-2, B, B-2 |
| 8.17         |                   |                     | A la a amati a m            | Marrad                    |                             |                         |
| 8.18<br>8.19 |                   |                     | Absorption area loading     | Mound absorption          | Absorption area loading     | Mound absorption        |
| 8.20         |                   |                     | rate (gpd/ft <sup>2</sup> ) |                           | rate (gpd/ft <sup>2</sup> ) | -                       |
| 8.21         | USDA soil         | Soil structure      |                             |                           | ( <b>31</b> )               |                         |
| 8.22         | texture           | and grade           |                             |                           |                             |                         |

7080.2150 8

|   | 08/20/13  |  | REVISOR |     | CKM/JK | RD4161 |
|---|---|--|---------|-----|--------|--------|
| 9.1<br>9.2<br>9.3<br>9.4<br>9.5<br>9.6<br>9.7<br>9.8<br>9.9 | Sand, coarse sand, loamy coarse sand, fine sand, very fine sand, loamy tery fine sand, loamy very fine sand, loamy very fine sand, 35 to 50% rock fragments |  | **      | 1.0 | **     | 1.0    |
| 9.11<br>9.12<br>9.13<br>9.14<br>9.15<br>9.16                | Sand, coarse<br>sand, loamy<br>sand, loamy<br>coarse sand,<br><35% rock<br>fragments  | Single grain,<br>granular, blocky,<br>or prismatic<br>structure; weak<br>grade | 1.2     | 1.0 | 1.6    | 1.0    |
| 9.17<br>9.18<br>9.19<br>9.20<br>9.21<br>9.22                | Fine sand, very fine sand, loamy fine sand, loamy very fine sand, >35% <35% rock fragments  | granular, blocky,  | 0.6     | 2.0 | 1.0    | 1.6    |
| 9.23<br>9.24<br>9.25<br>9.26<br>9.27                        | Sandy loam,<br>coarse sandy<br>loam, fine sandy<br>loam, very fine<br>sandy loam  | *  | 0.78    | 1.5 | 1.0    | 1.6    |
| 9.28<br>9.29<br>9.30<br>9.31<br>9.32                        | Sandy loam,<br>coarse sandy<br>loam, fine sandy<br>loam, very fine<br>sandy loam  | Platy with weak grade or massive   | 0.68    | 1.8 | 0.87   | 1.8    |
| 9.33<br>9.34<br>9.35<br>9.36<br>9.37                        | Loam  | Granular,<br>blocky, or<br>prismatic<br>structure; weak<br>to strong grade     | 0.6     | 2.0 | 0.78   | 2.1    |

7080.2150 9

|  | 08/20/13  |  | REVISO               | OR                         | CKM/JK                       | RD4161       |
|--|---|--|----------------------|----------------------------|------------------------------|--------------|
| 10.1<br>10.2                                       | Loam  | Platy with weak grade or massive   | 0.52                 | 2.3                        | 0.68                         | 2.4          |
| 10.3<br>10.4<br>10.5<br>10.6<br>10.7               | Silt loam, silt   | Granular,<br>blocky, or<br>prismatic<br>structure; weak<br>to strong grade | 0.5                  | 2.4                        | 0.78                         | 2.1          |
| 10.8<br>10.9                                       | Silt loam, silt   | Platy with weak grade or massive   | 0.42                 | 2.9                        | 0.65                         | 2.5          |
| 10.10<br>10.11<br>10.12<br>10.13<br>10.14<br>10.15 | Clay loam,<br>sandy clay loam<br>silty clay loam                                    | Granular, a, blocky, or prismatic structure; moderate to strong grade      | 0.45                 | 2.6                        | 0.6                          | 2.7          |
| 10.16<br>10.17                                     | Clay, sandy clay silty clay   | <i>'</i> , -   | **                   | **                         | **                           | **           |
| 10.18  | * Only includes   | soil horizons with <   | 50% rock fr          | agments, wit               | h Proposed abs               | sorption     |
| 10.19  | areas must meet   | item L and must have   | <u>ve</u> very friab | ole and friable            | e consistence <del>, a</del> | nd or loose  |
| 10.20  | noncemented sa  | nds. <del>Soil horizons w</del>  | rith >50% ro         | ek fragments               | must not come                | e in contact |
| 10.21  | with soil dispers   | sal system media.  |                      |                            |                              |              |
| 10.22  | ** Conduct percolation test and size under Table IXa. May need to be designed under |  |                      |                            |                              | ned under    |
| 10.23  | part 7080.2300.   |  |                      |                            |                              |              |
| 10.24  | *** Assume a h  | ydraulic loading rate  | to the sand          | at 1.6 gpd/ft <sup>2</sup> | 2                            |              |
| 10.25  |   |  | TABLE I              | Xa                         |                              |              |
| 10.26<br>10.27                                     |   | RATES FOR DETER<br>ABSORPTION RAT  |                      |                            |                              | REA AND      |

| 08/20/13 | REVISOR      | CKM/JK     | RD4161  |
|----------|--------------|------------|---------|
| U8//U/13 | R F. V I SUR | U.K.IVI/TK | KIJ4INI |
|          |              |            |         |

| 11.1<br>11.2<br>11.3<br>11.4<br>11.5 | Percolation rate (MPI)                   | Treatment level C absorption area loading rate (gpd/ft <sup>2</sup> ) | Treatment level C mound absorption ratio | Treatment levels A, A-2, B, and B-2 absorption area loading rate (gpd/ft <sup>2</sup> ) | B-2 mound |
|--------------------------------------|--|---|--|---|-----------|
| 11.6                                 | < 0.1                                    | -   | 1.0                                      | -   | 1.0       |
| 11.7                                 | 0.1 to 5                                 | 1.2   | 1.0                                      | 1.6   | 1.0       |
| 11.8<br>11.9<br>11.10                | 0.1 to 5 (fine sand and loamy fine sand) | 0.6   | 2.0                                      | 1.0   | 1.6       |
| 11.11                                | 6 to 15                                  | 0.78  | 1.5                                      | 1.0   | 1.6       |
| 11.12                                | 16 to 30                                 | 0.6   | 2.0                                      | 0.78  | 2.0       |
| 11.13                                | 31 to 45                                 | 0.5   | 2.4                                      | 0.78  | 2.0       |
| 11.14                                | 46 to 60                                 | 0.45  | 2.6                                      | 0.6   | 2.6       |
| 11.15                                | 61 to 120                                | -   | 5.0                                      | 0.3   | 5.3       |
| 11.16                                | >120                                     | -   | -  | -   | -         |

[For text of items F to M, see M.R.]

[For text of subp 4, see M.R.]

#### **7080.2450 MAINTENANCE.**

11.17

11.18

11.19

11.21

11.22

11.23

11.24

11.25

11.26

11.20 [For text of subps 1 to 5, see M.R.]

Subp. 6. **Septage disposal.** Septage or any waste mixed with septage must be disposed of in accordance with state, federal, or and local requirements for septage and other wastes. If septage is disposed of into a sewage or septage treatment facility, a written agreement must be provided between the accepting facility and the maintenance business.

[For text of subps 7 and 8, see M.R.]

#### **7081.0020 DEFINITIONS.**

[For text of subp 1, see M.R.]

|       | 08/20/13                              | REVISOR                          | CKM/JK                | RD4161         |
|-------|---------------------------------------|----------------------------------|-----------------------|----------------|
| 12.1  | Subp. 2. [See repealer.]              |                                  |                       |                |
| 12.2  | [For tex                              | t of subps 3 to 5, see           | M.R.]                 |                |
| 12.3  | Subp. 6. Other establishmen           | t. "Other establishmen           | nt" means any publi   | c or private   |
| 12.4  | structure other than a dwelling that  | generates sewage that            | discharges to an M    | STS SSTS.      |
| 12.5  | [For text                             | of subps 7 and 8, see            | M.R.]                 |                |
| 12.6  | 7081.0150 NECESSITY OF SOI            | L AND SITE EVALU                 | JATIONS.              |                |
| 12.7  | Soil and site evaluations must        | be conducted for MST             | S design. The evalu   | uations must   |
| 12.8  | be conducted according to parts 70    | 81.0160 <del>and</del> to 7081.0 | 200. Evaluations m    | ust identify   |
| 12.9  | and delineate an initial and replaces | ment soil treatment and          | d dispersal area with | h appropriate  |
| 12.10 | system site boundaries.               |                                  |                       |                |
| 12.11 | 7081.0270 FINAL TREATMENT             | Γ AND DISPERSAL.                 |                       |                |
| 12.12 | [For tex                              | t of subps 1 to 4, see 1         | M.R.]                 |                |
| 12.13 | Subp. 5. Soil absorption are          | a sizing.                        |                       |                |
| 12.14 | A. Effluent loading rates             | to the soil must be de           | termined in:          |                |
| 12.15 | (1) part 7080.2150,                   | subpart 3, item E, Tab           | le IX or IXa; or      |                |
| 12.16 | (2) part 7080.2400,                   | if allowed by the local          | unit of government    | t.             |
| 12.17 | B. If the absorption area             | receives septic tank or          | r treatment level C   | effluent as    |
| 12.18 | described in item A, subitem (1) pa   | art 7083.4030, the abso          | orption area shall be | increased by   |
| 12.19 | 50 percent of the amount derived in   | item A, subitem (1),             | and zoned for dosin   | g and resting. |
| 12.20 | [For text                             | t of subps 6 to 11, see          | M.R.]                 |                |
| 12.21 | 7081.0280 CONSTRUCTION R              | EQUIREMENTS.                     |                       |                |
| 12.22 | [For t                                | text of item A, see M.           | <u>R.]</u>            |                |
|       |                                       |                                  |                       |                |

| 08/20/13 | REVISOR | CKM/JK | RD4161 |
|----------|---------|--------|--------|
|          |         |        |        |

B. The MSTS advanced designer must observe critical periods of system construction. The designer shall prepare a report of observed construction activities and submit the report to the local unit of government prior to final inspection.

7082.0040 REGULATORY ADMINISTRATION RESPONSIBILITY.

[For text of subps 1 to 3, see M.R.]

Subp. 4. **Required fiscal and physical capacity for local programs.** All local governments that administer SSTS programs must have:

A. adequate personnel to properly conduct SSTS technical and administrative functions. All local governments that administer SSTS programs must have:

(1) at least one certified inspector as described in part <del>7083.1010, subpart</del> 2 <u>7083.1020, subpart 1, item C</u>, who is employed by the local unit of government or a contracted licensed SSTS inspection business. Multiple local units of government are allowed to contract for services with the same certified inspector; and

[For text of subitem (2), see M.R.]

[For text of item B, see M.R.]

[For text of subp 5, see M.R.]

#### 7083.1060 CONTINUING EDUCATION.

13.1

13.2

13.3

13.4

13.5

13.6

13.7

13.8

13.9

13.10

13.11

13.12

13.13

13.14

13.15

13.16

13.17

13.18

13.19

13.20

13.21

13.22

13.23

#### Subpart 1. Renewal requirements.

[For text of item A, see M.R.]

B. An individual with a maintainer certification must complete 12 hours of continuing education related in general to SSTS or nine hours of continuing education specifically related to SSTS maintenance or land application of septage every three years.

A maintainer whose gross annual revenue from pumping systems is \$9,000 or less and

|      | 08/20/13 RE                                       | VISOR             | CKM/JK            | RD4161     |
|------|---|-------------------|-------------------|------------|
| 14.1 | whose gross revenue from pumping systems          | during the year ( | ending May 11, 19 | 94, was at |
| 14.2 | least \$1,000 is not subject to the continuing of | education require | ements.           |            |
| 14.3 | [For text of items                                | C to E, see M.R   | ]                 |            |
| 14.4 | [For text of su                                   | bp 2, see M.R.]   |                   |            |
| 14.5 | REPEALER. Minnesota Rules, parts 7053.            | 0405, subpart 5;  | and 7081.0020, su | ıbpart     |
| 14.6 | 2, are repealed.                                  |                   |                   |            |

7083.1060 14