

# Drain Tile Operating Plan Template

Name: \_\_\_\_\_  Landowner  Renter

Address: \_\_\_\_\_

Phone Number:

Home: \_\_\_\_\_ Cell: \_\_\_\_\_

Location of Pump/outlet: \_\_\_\_\_

Type of pump / outlet setup:  On/Off Control  Remote Monitoring  Gap Design

Other \_\_\_\_\_

Tiled water will outlet into:

Twp Ditch  County Ditch  State Highway Ditch  Legal Ditch

Coulee  River  Other

Name of ditch/coulee/river: \_\_\_\_\_

In cases of emergency when a tile pump's flow capacity needs to be reduced or turned off and the owner of the pump is unable to be reached, the following will be contacted in order to adjust the pump's settings.

**1<sup>st</sup> contact: Landowner/Renter:**

Name: \_\_\_\_\_

Phone Number:

Home: \_\_\_\_\_ Cell: \_\_\_\_\_

**2<sup>nd</sup> Contact:**

Name: \_\_\_\_\_

Phone Number:

Home: \_\_\_\_\_ Cell: \_\_\_\_\_

**3<sup>rd</sup> Contact:**

Name: \_\_\_\_\_

Phone Number:

Home: \_\_\_\_\_ Cell: \_\_\_\_\_

In the event none of the above contacts can be reached, may the tile contractor be contacted to shut off the pump or reduce the pump's rate of discharge?  Yes  No

Contact:

Tile Contractor: \_\_\_\_\_

Phone Number:

Office: \_\_\_\_\_ Cell: \_\_\_\_\_

Installer/Designer Name: \_\_\_\_\_

Address: \_\_\_\_\_

# MSTRWD Amended Rules, adopted September 7, 2021

## Procedures/Guidance

- A. As used in this specific Section, reducing the speed of a variable speed pump (VFD) to its lowest setting or to the “idle” setting shall be deemed equivalent to “no pumping.”
- B. If none of the persons listed in the plan can be reached, Watershed staff or a Watershed designated third party may be contacted to shut off the pump or to reduce the pump’s rate of discharge. Landowner will be charged costs.
- C. Landowner shall be responsible for monitoring weather conditions.
- D. No pumping is allowed during freezing conditions or when the downstream culverts could be plugged with snow or ice. Freezing conditions are defined as when the drainageways, culverts, bridges, etc. have ice building up. Subsurface tile drainage that close in the winter shall remain closed until spring floodwater conditions recede below Flood Stage at the closest downstream Prediction Site.
- E. The landowner shall be responsible to monitor National Weather Service Flood Probability for the Red River for the closest downstream Prediction Sites to their property.
- F. **No tile pumping during flooding conditions.** Flooding conditions shall be defined as a condition in which the immediate downstream tile outlet is at its full capacity or has exceeded its full capacity. In addition, flooding conditions include:
  - I. When the downstream system or the outlet of a system is experiencing flooding.
  - II. When the National Weather Service Flood Probability Prediction reaches **Major Flood Stage** at the closest downstream Prediction Site. **Tile pumps must be shutoff when the nearest gaging site is at or above major flood stage.**
  - III. When the National Weather Service Flood Probability Prediction reaches **Moderate Flood Stage** at the closest downstream-Prediction Site. **Tile pumps should be shutoff when water at the nearest gaging site is at or above moderate flood stage. Idle or reduced pumping is allowed.**
  - IV. In Table 1, the prediction sites that are of importance to the MSTRWD are listed along with their **Moderate Flood Stage** and **Major Flood Stage** measurements. Landowners should be aware of the closest downstream prediction site and operate pumps accordingly to decrease impacts on the Red River.

<b>Prediction Site</b>	<b>“Moderate” Flood Stage (ft)</b>	<b>“Major Flood Stage” (ft)</b>
<b>@ East Grand Forks</b>	<b>40.0</b>	<b>46.0</b>
<b>@ Oslo</b>	<b>30.0</b>	<b>36.0</b>
<b>@ Drayton</b>	<b>38.0</b>	<b>42.0</b>

**In addition to the above thresholds, the following local flooding conditions will govern (i.e. when the nearest downstream culvert or field drain is at capacity):**

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**I have read and understand the procedure above and my responsibilities.**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_