

Good Morning

My name is John Bowen  
Vice President of WLWCA  
and Co-Owner of Ken-Way  
Services of Rice Lake, Inc.

My presentation today will be on  
**BioSolids Storage for Septage Haulers**



## Septage haulers' positive perspective on storage

- A. Increased storage capacities
- B. Three levels of storage available (small, medium & large)
- C. Disposal option when septage haulers have inclement weather with no place to dispose of septage.

# New Septage Storage Regs

- Changes in s. NR 113.12
- Effective: Oct 1, 2021
- Increased Thresholds w/ Exemptions
- Permit Requirements codified included into Rule
- Emphasis on “Septage Only” Storage:
  - Increased Permitting thresholds
    - Permits required >550,000 gal
    - Previously >25,000 gal
  - Increased Plan/Spec Exemption thresholds
    - 25,000 gal previously
    - Now 50,000 gal
  - Management Plan
  - Spill Plan
  - Inspections
    - Construction/Ongoing

# What are the (3) three levels of storage

A. Level (1) one: small storage – has been increased from less than 25,000 gallons to less than 50,000 gallons



24,000 gallons



40,800 gallons

# Steps to take with the DNR to get storage tanks approved.

Small Storage – less than 50,000 gallons

1. No WPDES or GP Permit
2. Exempt from Plan & Spec if DSPTS approved tanks or PE Master Plumber or Registered Designer
3. Spill Plan
4. Management Plan
5. Inspection Report

## B. Level (2) two – Medium Storage

More than 50,000 gallons to less than 550,000 gallons



219,772 gallons



530,000 gallons

# Steps to take with the DNR to get storage tanks approved.

Medium Storage – Greater than 50,000 gallons to less than 550,000 gallons

1. Exempt from WPDES if it is permitted under licensed business
2. For septage only storage
3. Plan & Spec
4. Spill Plan
5. Management Plan
6. Inspection Reports

c. Level (3) three – Large Storage

550,000 gallons or greater



1,200,000 gallons



# Steps to take with the DNR to get storage tanks approved.

Large Storage – Greater than 550,000 gallons

1. GP if septage only, otherwise you need an individual WPDES permit
2. Plan & Spec
3. Spill Plan
4. Management Plan
5. Inspection Reports
6. Paper Plans
7. Site Plans for Storage Location
8. Site Borings
9. Get an Engineer Involved

# What are the benefits storage brings to septage haulers?

- A. Better management of disposing of septage waste.
  - 1. Able to continue pumping septage during inclement weather
  - 2. Less compaction in fields
  - 3. Being able to land apply when waste nutrients are most beneficial to crop needs

WLWCA sent out a survey to all their members to see where they disposed septage waste.

The results of the survey showed that 40% of the septage haulers land apply the waste. One of the reasons for this is that throughout the state of Wisconsin not all Waste Water Treatment Plants can accept septage waste.



4.6 MILLION GALLONS

For the septage pumping industry I personally believe we will see more septage storage facilities being used. Storage has been a long time coming.

Thanks to the DNR staff and many other people involved to get storage changed in the NR113 Code.

I will be glad to take any questions you may have.