

**AITKIN COUNTY**  
**CERTIFICATE OF INSTALLATION/~~NOTICE OF NONCOMPLIANCE~~**

This certificate of installation/~~notice of noncompliance~~ has been issued this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_ to certify compliance/~~noncompliance~~ with Aitkin County's Subsurface Sewage Treatment System Ordinance.

The premises covered by this certificate are legally described as: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Section \_\_\_\_\_ Township \_\_\_\_\_ Range \_\_\_\_\_ Lake \_\_\_\_\_  
PERMIT NO. \_\_\_\_\_ Owner Name \_\_\_\_\_  
Address \_\_\_\_\_  
Installer Name \_\_\_\_\_  
Type of System Inspected \_\_\_\_\_  
Parcel Number \_\_\_\_\_

The certificate of installation/~~notice of noncompliance~~ was based on No \_\_\_ of the following:

- 1) Inspection of the installation or construction as in accordance with the above referenced permit and application design.
  
- 2) Review of as-built plans submitted in accordance with Subdivision 9.2 D of Aitkin County's Subsurface Sewage Treatment System Ordinance.

If the above permitted subsurface sewage treatment system is in noncompliance with Aitkin County's Subsurface Sewage Treatment System Ordinance, then the following shall serve as a Notice of Violation:

- 1) Statement of the findings of fact through inspections or investigations:  
\_\_\_\_\_  
\_\_\_\_\_

- 2) List of specific violations of Ordinance: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

- 3) Requirements for correction or removal of violations: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

- 4) Time schedule for compliance: \_\_\_\_\_  
\_\_\_\_\_

Failure to correct or remove the above violation(s) will result in this matter being turned over to the Aitkin County Attorney's Office for further legal action, which may result in revocation of licenses or registrations, fines and/or imprisonment.

INSPECTOR SIGNATURE \_\_\_\_\_

**SUBSURFACE SEWAGE TREATMENT SYSTEM INSPECTION FORM  
AITKIN COUNTY, MINNESOTA**

2022-009282

Township Farm Island Date of Inspection 10/3/2022 App. Number 47189

Owner Thomas & Kellie Ann Whalen Parcel Number 07-0-071600

Project Address 44609 285<sup>th</sup> Ln. Installer Mark Ritter

City Aitkin Zip Code 56431 Tank Rep

New  Repair

DIST. or DROP BOX & TYPE \_\_\_\_\_

**SETBACKS:**

Buildings to tank(s) 26'

Buildings to drainfield 40'+

Well(s) 50' or 100' DW: 85'±

Lake/Creek/Wetland Farm Island: 100'+

**TRENCHES, BEDS, OR GRAVELLESS LEACHFIELD:**

Trench/Bed depth \_\_\_\_\_

Trench/Bed length \_\_\_\_\_

Trench/Bed bottom width \_\_\_\_\_

Trench spacing \_\_\_\_\_

Drainfield rock below pipe \_\_\_\_\_

Size of gravelless pipe \_\_\_\_\_

Depth of backfill \_\_\_\_\_

Absorption area: square feet \_\_\_\_\_

lineal feet \_\_\_\_\_

SEPTIC TANKS: New  Existing

Number of tanks installed 1

Liquid capacity and type 1650 Tac. combo

Type of baffle Plastic

Inspection pipes \_\_\_\_\_

Manholes size 24"

Manhole to grade Yes  No

**MOUNDS:**

Percent slope \_\_\_\_\_

Upslope sand width \_\_\_\_\_

Downslope sand width \_\_\_\_\_

Sideslope sand width \_\_\_\_\_

Drainfield rock below pipe \_\_\_\_\_

Depth of sand below rock \_\_\_\_\_

Perforation size & spacing \_\_\_\_\_

Pipe size & spacing \_\_\_\_\_

Dimensions of rock bed \_\_\_\_\_

Dimensions of sand base \_\_\_\_\_

Final cover \_\_\_\_\_

PUMPS: New  Existing

Tank capacity and type Existing lift tank

Pump manufacturer & model # Existing

Horsepower & GPM \_\_\_\_\_

Feet of head \_\_\_\_\_

Gallons per cycle \_\_\_\_\_

Size of discharge line \_\_\_\_\_

Type & location of alarm \_\_\_\_\_

Water meter \_\_\_\_\_

DRAWING OF SYSTEM: (include soils)

Inspector's Comments: \_\_\_\_\_

Inspector's Signature Bryan Hargrave Installer's Signature Mark Ritter



Ritter Denver  
10-5-22

**JACOBSON PRECAST CONCRETE, LLC**

**TANK INSTALLATION INSTRUCTIONS**

Model # 1650 Date Built: 6-29-22 Gallons: 1650 Bury Depth 1<sup>1</sup>/<sub>2</sub>  
#2

Model # \_\_\_\_\_ Date Built: \_\_\_\_\_ Gallons: \_\_\_\_\_ Bury Depth \_\_\_\_\_

**SITE CONDITION:**

The site must be accessible to large, heavy trucks. Free of items like trees, stumps, overhead wires, etc. That could interfere with delivery or installation and allows trucks to within 3 to 5 ft of placement excavation.

**EXCAVATION:**

Excavation should be approximately 12" minimum larger than tank size to allow for adequate back fill. This may vary with soil conditions. Excavation shall have a level bottom so the weight bears on the outside walls of the tank.

**BEDDING:**

Each tank should be placed on about 6" of proper bedding material leveled, and should be compacted to minimum 95% compaction if tested, to ensure the life of the tank structure. Bedding must be capable of bearing the weight of the tank. Bedding material shall have the ability of 100% to pass through a 1/2" screen.

**WATER TABLE:**

When tanks are being placed where water levels can potentially be higher than the elevation of the tank cover, an alternate location should be considered. If water table is high installer must also consider the tank may float, if this is a possibility tank must be tied down before backfilling.

**BACKFILL MATERIAL:**

Sidewall of tanks require dry backfill materials that have the ability of 100% to be able to pass through a 2" screen and a minimum of 12" on all sides from the bottom to top of tank. Backfill material shall be placed to avoid impact loads on sidewall of the tank.

**COVER MATERIAL:**

Cover material shall be dry soil, material that has the ability of 100% to be able to pass through a 2' screen. Cover material shall be mounded over tank and around risers to direct run-off away from both.

**INLET & OUTLET:**

Pipe not to exceed 1" past the interior wall of tank where a baffle is used.

**BURIAL DEPTH:** Tanks to be installed according to model's maximum bury recommendations: