# 2022 Professional Open House

St. Louis County
Planning and Community Development
Onsite Wastewater Division

# General

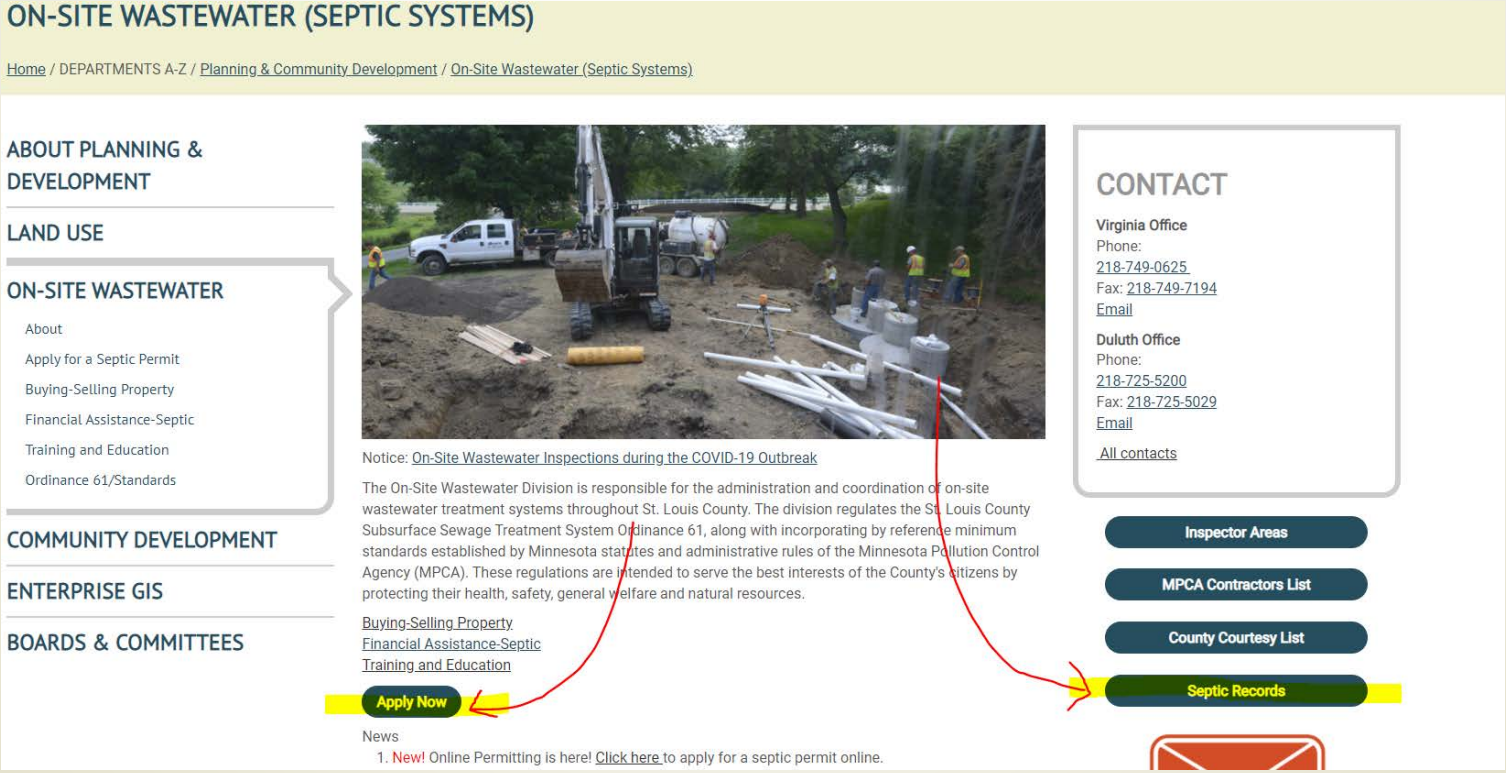
- New team members!
- The 2021 season proved to be one of our busiest yet with nearly 1,000 Permits to Construct being issued, 900 Compliance Inspections reviewed, 130 new Operating Permits issued, and 500 Operating Permits renewed
- NEW FEE SCHEDULE

# NEW FEE SCHEDULE:

| Service | Cost |
|---|---|
| Type I shoreland | $535 |
| Type I NON-shoreland | $310 |
| Type II Privy | $105 |
| Type II Holding Tank | $255 |
| Type II Floodplain | $315 |
| Type III (shoreland & NON-shoreland) | $350 |
| Type IV | $400 |
| Type V | $500 |
| Operating Permit Renewal | $65 |
| Compliance Inspection Review | $35 |
| Commercial or Multiple Dwellings >2500 | $765 |
| Component Addition or Replacement | $205 |
| SSTS Variance | $650 |
| Site Evaluation | $255 |
| Late Fee | $2X |

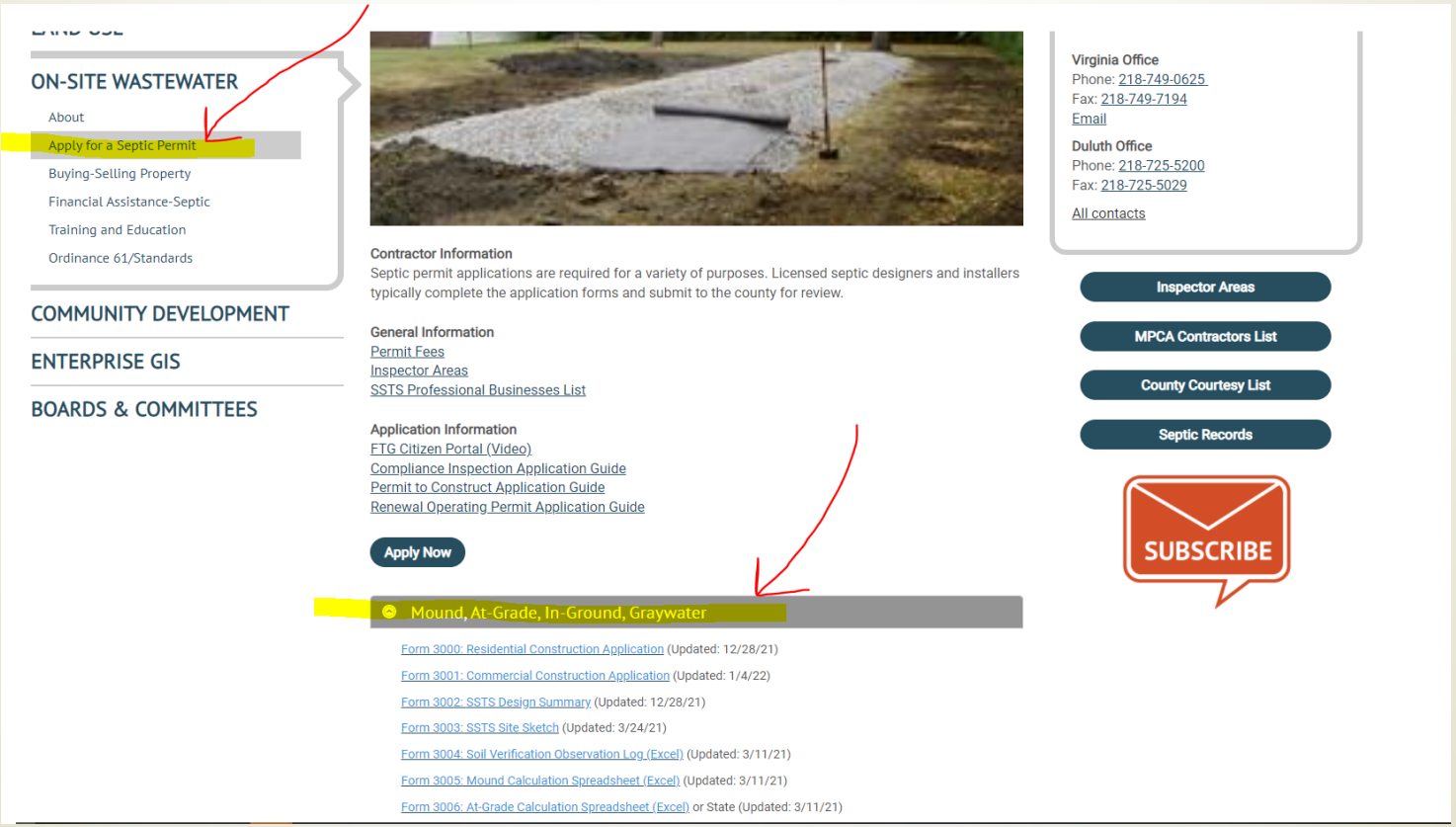
# General Continued…

- Many permit records are available to be viewed online (CLE)
- Permits can be submitted online through the portal and paid for with a credit card. This does require an account be made but allows for faster processing and no mail delays! (FTG). Staff is also willing to provide assistance if needed – reach out to us as soon as possible to set up a time to meet one on one



# General Continued…

- REQUIRED FOR 2022 AND ONWARD: Use of most recently updated design forms (which can be found on our website on the apply for a septic permit page) and inspection forms need to be submitted, unless using a county approved version. Old forms will no longer be accepted (unless it was designed PRIOR to this year)



# General Continued…

- GovDelivery Archive Page

## GOVDELIVERY NEWSLETTERS

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ABOUT PLANNING & DEVELOPMENT

LAND USE

ON-SITE WASTEWATER

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COMMUNITY DEVELOPMENT

ENTERPRISE GIS

BOARDS & COMMITTEES

Welcome! St. Louis County Planning and Community Development Department has launched a free subscription service for industry professionals with the latest information regarding On-Site Wastewater News provided periodically throughout the year. You can subscribe and unsubscribe at any time by following the link at the bottom of this page. Below, you will find a button that will open a pop-up containing the most recently released newsletter. Below that, you will find a dropdown list of past newsletters, separated by year of release. Sign-up today and never miss a newsletter again!

Current Newsletter

On-Site Wastewater 2-18-2022

- INVITE - SSTS Professionals Open Houses

2022

2021

2020

### CONTACT

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Email

**Duluth Office**
Phone:
218-725-5200
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Email

All contacts

Inspector Areas

MPCA Contractors List

County Courtesy List

# POS/Realtor Information

- Compliance inspections are required PRIOR to the sale or transfer of property: UNLESS…
- Valid CofC / NofN
- Fact sheet
- Winter home sales and escrow
- Site conditions must allow for inspections – very tough in winter with low angle of the sun

# POS/Realtor Information Continued…

- *Current* boiler plate phrase: Notice of Nonconforming

  Although the ISTS is classified as nonconforming the system may continue to be used. This notice is valid for a period of three years and must be disclosed to any buyer.

- *Proposed NEW* boiler plate phrase: Notice of Nonconforming

A non-conforming system is still considered to be a passing system and may continue to be used as is and is not required to be upgraded. Properties can be transferred with a non-conforming system. The system can be used until it fails, or until the owner applies for a bedroom addition or other substantial increase in water use, a conditional use permit, or a variance. Though the system may not meet all current technical standards, the system complies with applicable regulations. The notice is valid for a period of three years and must be disclosed to any buyer

# POS/Realtor Info Continued…

- **Proposed NEW* boiler plate phrase: Certificate of Compliance Authorization to Use
- *Current* Boiler Plate
  - This Certificate of Compliance is *valid for five years* unless the system fails and becomes a public health hazard or nuisance.

- *Proposed NEW* Boiler Plate
  - This Certificate of Compliance is *valid for five years* unless the system fails and becomes a public health hazard or nuisance. This Certificate of Compliance is *valid for ten years* for the purpose of point of sale provisions only and must be disclosed to any buyer.

# Compliance Inspections

- Multiple systems (eg. Privy and mound) require separate inspection documents and submittals for EACH. A fee for each system is required
- State Forms need to be completely and accurately filled out. This includes checking the non-compliant box if the system is failing to protect groundwater EVEN IF the system is Non-conforming in St. Louis County
- If changing a classification of dwelling, a dwelling classification worksheet is required to be submitted with the inspection documents OR state requirements and relevant data in the comments section to meet the class requirements of the change
- A system that has an expired Operating Permit is non-compliant
- A system that is required to be on an Operating Permit but has failed to develop one is non-compliant per Ordinance 61: Article V, Section 2.0 Amendments to The Adopted Standards 2.04 Holding Tanks Subpart.9: All holding tanks not currently permitted by the Department shall have 18 months from the date of Ordinance 61 adoption to obtain an operating permit without being in violation of this Ordinance. Failure to do so is a violation of this Ordinance

# Designs

- Designs require **3** soil boring logs indicating the STA location
- Ensure sketch contains contour lines and BM/elevations on soil holes
- A current CoC is required for any portion of an existing system to be used for a new design. Existing systems are required to be brought into new installation requirements
- If using the Orenco Program Pumpselect instead of the county pressure distribution form, indicate the GPI of the intended tank model and float tether lengths. Jason has added these to the SSTS summary page
- Do not leave the pump make and model line blank. Fill in with a pump, and add “or equivalent,” if alternate pumps can be used
- When filling out a soil log, start a new horizon when you encounter a limiting layer…

# Designs

- When filling out a soil log, start a <u>new horizon</u> when you encounter a limiting layer

| Depth (in) | Texture | Rock Frag. % | Matrix Color(s) | Mottle Color(s) | Redox Kind(s) |
|---|---|---|---|---|---|
| 0-5 | Fine Sandy Loam | 15% | 10YR 2/1 | | |
| 5-28 | Loamy Sand | 15% | 10R 3/3 | 7.5YR 5/6 | Concentrations |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| Comments | Mottles at 13" |
|---|---|

I hereby certify that I have completed this work in accordance with all applicable ordinances, ru

| Depth (in) | Texture | Rock Frag. % | Matrix Color(s) | Mottle Color(s) |
|---|---|---|---|---|
| 0-5 | Fine Sandy Loam | 15% | 10YR 2/1 | |
| 5-13 | Loamy Sand | 15% | 10R 3/3 | |
| 13-28 | Loamy Sand | 15% | 10YR 3/3 | 7.5YR 5/6 |
| | | | | |
| | | | | |
| | | | | |

| Comments | Mottles at 13" |
|---|---|

# Designs

- A dwelling is any structure with the provisions for living, sleeping, and sanitary (water and sewage). If a “bunkhouse,” or “sleeper,” has plumbing or water, it is considered a dwelling and it should be designed with its own flow capacity
- Required capacity for septic tanks serving multiple dwellings: for systems serving ten or fewer dwellings with a common septic tank, the liquid capacity must be determined by adding the capacities for each
- Ensure management plans contain the information as required in Ordinance 61:

**2.02 Required Contents of a Management Plan**

Management plans must include *(Minnesota Rules, Chapter 7082.0600, Subp.1)*:

A. Operating requirements describing tasks that the owner can perform and tasks that a licensed service provider or maintainer must perform;

B. Monitoring requirements;

C. Maintenance requirements consistent with Minnesota Rules, Chapter 7080.2450 including maintenance procedures and a schedule for routine maintenance;

D. Statement that the owner is required to notify the Department when the management plan requirements are not being met;

E. Disclosure of the location and condition of the additional soil treatment and dispersal area on the owner’s property or a property serving the owner’s residence;

F. Other requirements as determined by the Department.

# Installation

- Requests for final inspections shall be made during normal business hours, excluding holidays, a **MINIMUM OF 48 HOURS IN ADVANCE.**
- Note: Ordinance 61 states, “It is the responsibility of the SSTS owner or the owner’s agent to notify the Department (2) calendar days prior to any permitted work on the SSTS”

# Installation

- Installers should include the sieve showing the approved sand stockpile used with the as-built. This should be a sieve from this year.
- Responsibilities of Licensed Installers include submitting an As-Built within 30 days of installation
  - County As-built document has been created; Thank You Jason Walsh!
- The person or business abandoning the system must complete and sign a record of abandonment and sent to the local government within 90 days of abandonment
- Pressure Test Form for installation of a buried sewer line located 20 to 50 feet from a water-supply well
- As a reminder, contractors are required to follow land alteration and stormwater control best management practices for the installation of septic systems on shoreland property. An additional permit is not required; however, administrative and performance standards shall apply for all land alterations, shoreline vegetation alterations, and stormwater management within 300 feet of lakes and rivers. Note: Island work that will require a road to be made should be checked with Land Use to ensure standards are met.

# Maintainers and Service providers

- Ensure all applicable or unapplicable boxes on all 5-1, and any other required forms, are checked
- Service providers should note any changes like if peat or media was added. Remember: when 25% of the peat volume has been added – all media should be replaced

# Final Inspections – Three Tier Approach

- Tier I – St. Louis County Environmental Specialist performing final inspections
- Tier II – Contract private contractors to perform final inspections on an on-call basis during periods of high permit activity
- Tier III – Use of county approved private inspection contractors to perform final inspections during periods of high permit activity facilitated through homeowner or installer.

# Submitted Topics

- In-ground with >50% Rock fragment…

Let's check the Tech Standards:

1. Under Table IX.. Soil scientist!

† Estimated rates for ISTS. For soil conditions not included in the table, e.g. non-original soil, <6 in., ≥ 50% coarse fragments, firmer consistence, etc., evaluation of soil morphology and contour loading rate by a by a licensed Professional Soil Scientist (PSS) who is also an MPCA-licensed SSTS designer (Designer) is required. Rates projected using hydraulic conductivities measured by a licensed PSS-Designer supersede table estimates.

2. KEEP IN MIND….Other Technical requirements for systems – Items A to M:

L. The distribution media must not be in contact with soils with any of the USDA soil textures classified as sand with 35 percent or more rock fragments or loamy sand with 35 percent or more rock fragments.

Type III are only allowed when a Type I system cannot be installed.

# Submitted Topics

- Holding tank rules

**7080.2290 HOLDING TANKS.**

A. To qualify as a holding tank, the system must:
   (1) meet or exceed applicable requirements of parts 7080.1900 to 7080.2030;
   (2) meet or exceed the applicable requirements of part 7080.2150, subpart 2;
   (3) meet or exceed the requirements of part 7080.2150, subpart 3, item B; and
   (4) meet the requirements of items B to F.

B. A cleanout pipe of at least six inches in diameter must extend to the ground surface and be provided with seals to prevent odor emissions and exclude insects and vermin. A maintenance hole of at least 20 inches in least dimension must extend through the cover to surface and must be secured according to part 7080.1970, item C.

C. For a dwelling, the minimum size is 1,000 gallons or 400 gallons times the number of bedrooms, whichever is greater. For other establishments, the minimum capacity shall be at least five times the design flow. Tank sizing for floodplain areas must be calculated according to part 7080.2270, subpart 10.

D. Holding tanks must be located in an area readily accessible to the pump truck under all weather conditions and where accidental spillage during pumping will not create a nuisance and must meet the setback requirements as specified in Table VII in part 7080.2150, subpart 2, item F.

E. Holding tanks must have an alarm device to minimize the chance of accidental sewage overflows unless regularly scheduled pumping is used. An alarm device shall identify when the holding tank is at 75 percent capacity.

# Submitted Topics

- Dates for…
- Inspection date vs issue date
- Compliance Inspections are required to be submitted

# Submitted Topics

- The need to think about amended ordinance 61
- why the most strict county in MN for Local government septic regulations also allows winter installations, winter Install Policy vs 7080 State code
- It's physically impossible STA size reductions FOR ATU'S and other pretreatment units

# Submitted Topics

- Peat Filters…
- Meeting product registration requirements
  - Uniform distribution
  - Pressure distribution
  - Peat filter pod spacing
  - CLR
  - Sampling

# Submitted Topics

- CLR for inspections
- CLR for designs

WE ASKED IF YOU'D BEEN RINSING GREASE DOWN THE DRAIN AND YOU SAID "NO"
YOUR SEPTIC TANK DETERMINED THAT WAS A LIE

Let me check the Ordinance
Let me check the Ordinance

SOME JOBS ARE BEST LEFT TO THE PROFESSIONALS
SEPTIC LOOKS GOOD TO ME
imgflip.com

# QUESTIONS?

The only reason your neighbor's grass is greener because their septic tank is overflowing.
your ecards
someecards.com

YOU HAVE TO DENY THIS DEVELOPMENT ON MY NEIGHBORS LOT
BECAUSE THAT'S WHERE I PUT MY SEPTIC SYSTEM.

BABY WIPES BOX SAYS "FLUSHABLE"
maury
THIS $5000 BILL FOR SEPTIC REPAIRS INDICATES THAT WAS A LIE
mematic.net