

Best Tools for Best Practices

Presented by Trevor Gillespie, Infiltrator Water Technologies



Onsite | 2024 Wastewater Mega-Conference Spokane, WA

Celebrating Tomorrow's Environment
Clean Water for the Future

NOWRA:

The materials being presented represent my own opinions, and do NOT reflect the opinions of NOWRA



Cover AZ CA and NV



All I use is...

When we are stuck in a rut we are being invited to grow and expand.

Dana Arcuri

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DON'T GET STUCK IN THE RUT

DON'T GET STUCK IN THE TRENCH

Conventional

- Rock
- Chamber
- Seepage Pit
- Bundled Expanded Polystyrene

Combined Treatment and Dispersal

- Many technologies in the market
- NSF/ ANSI 40 Secondary Treatment

Aerobic/ Mechanical Treatment

- Many technologies
- NSF/ANSI 40 and NSF/ANSI 245 secondary treatment

What is the right system?

“The right system is the lowest cost system to meet the stated goal.”

- The Health Department sets the goals (rules we must meet)
- “We” (contractor or designer) specify a system to meet the code
- obtain a permit to install

Four-legged stool:

Have all parties
been made aware
of tools available?

- Environmental Health
- Distributor
- Installer
- Engineer



Who is sitting on the stool?



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The illusion of choice



More choices = more solutions



What determines technology?

Selecting the right technology for the site

- *Environmental health*
- *Size*
- *Cost*
- *Complexity*
- *Power*
- *O&M*

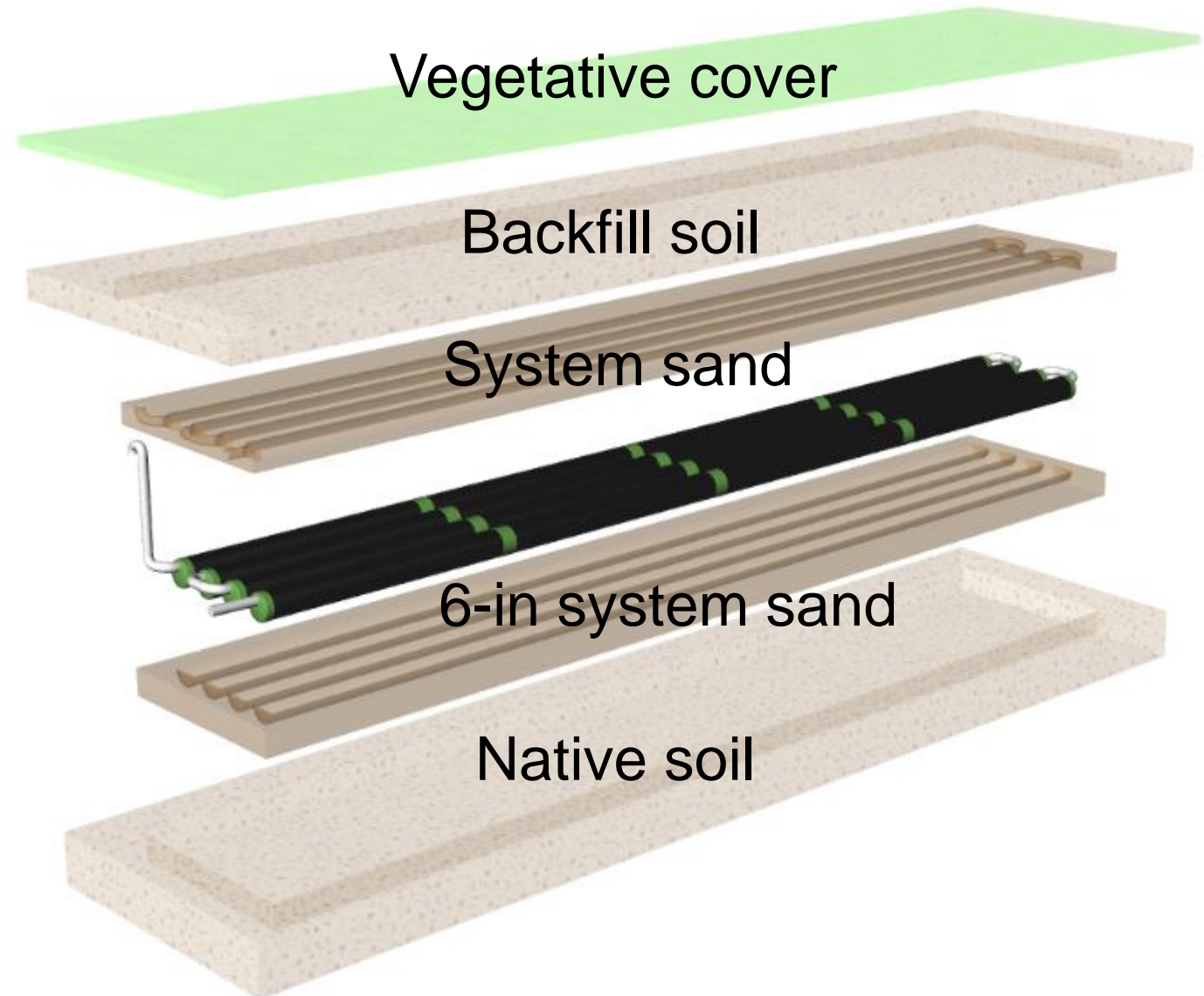
Electromechanical

- Electricity
- Maintenance
- Separate drainfield

**NSF 245 not needed?
Is there a more
efficient way to treat
and disperse?**



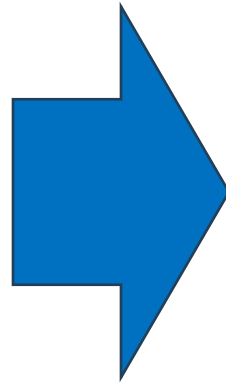
Combined Treatment and Dispersal



CTD Benefits

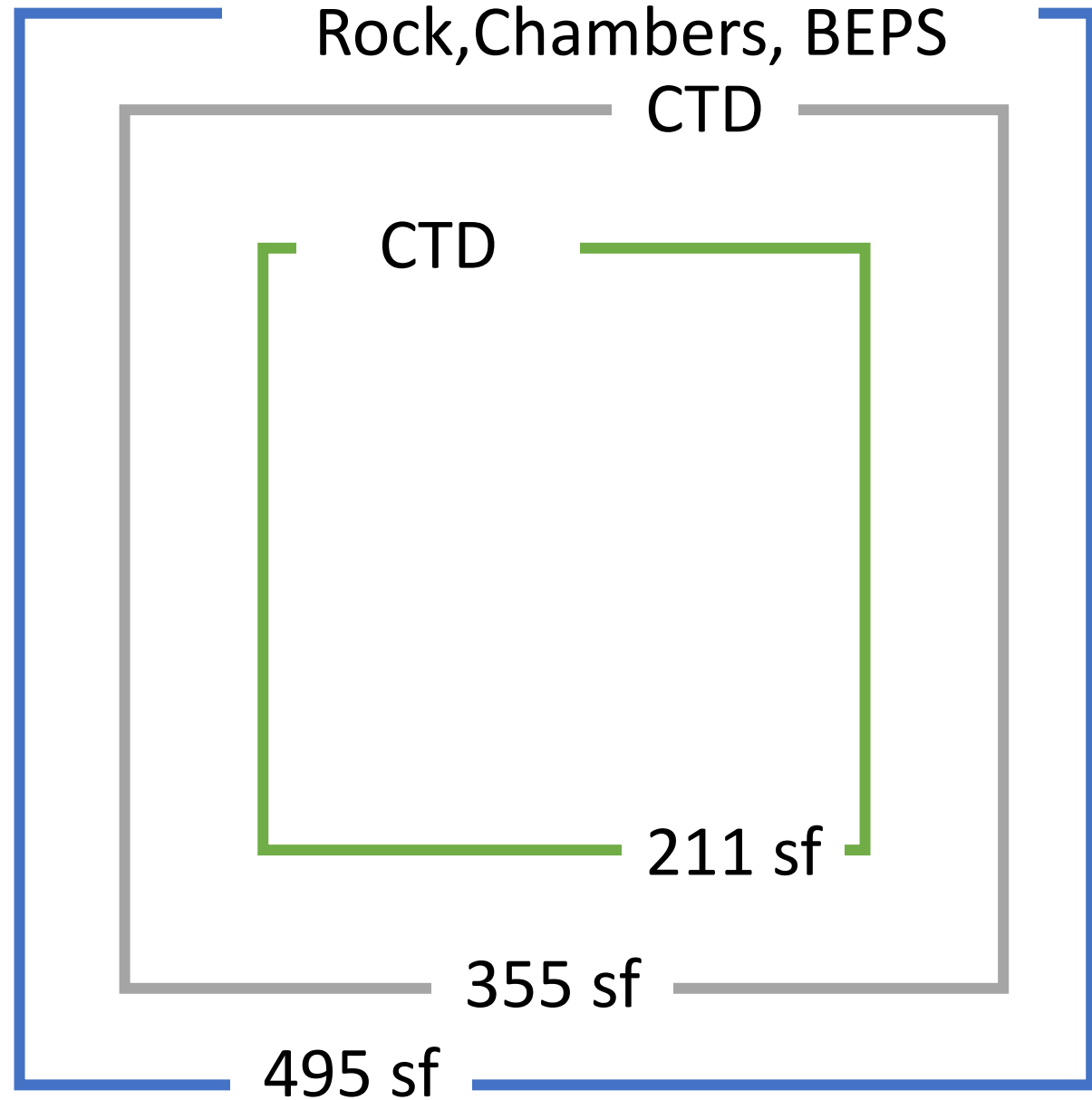
- Provides **NSF/ANSI 40 secondary treatment**
- Provides treatment **without external energy**
- **No start up required** for seasonal use
- Eliminates costly O&M
- Provides **continuity during power outages**
- Aligns with **2024 Uniform Plumbing Code**

Drip V CTD in certain soils



Minimum System Areas In Certain Soils

How Do These
Areas Compare?



Call to Action - Conventional

Ideal for:

Basic design needs

Know technology



Call to Action – ATU



Ideal for:

- *Very low LTARs*
- *Smaller footprint*
- *Steep slopes*
- *Depth credit*
- *Environmentally sensitive areas*

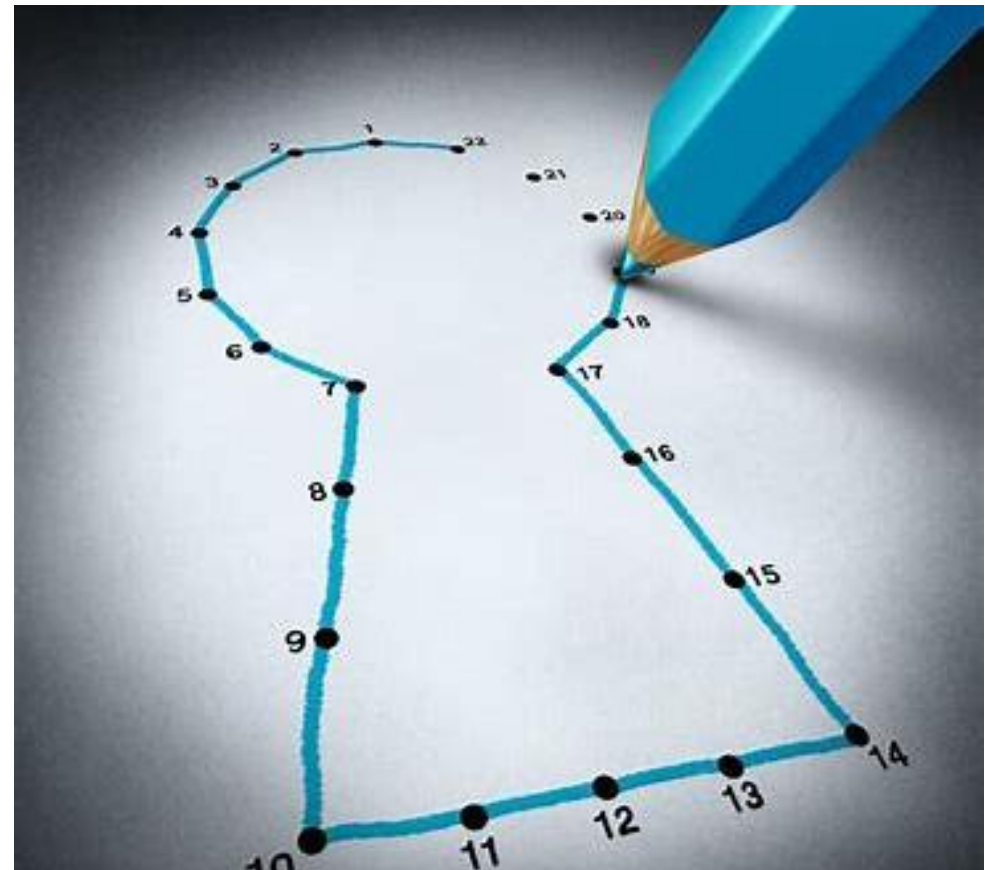
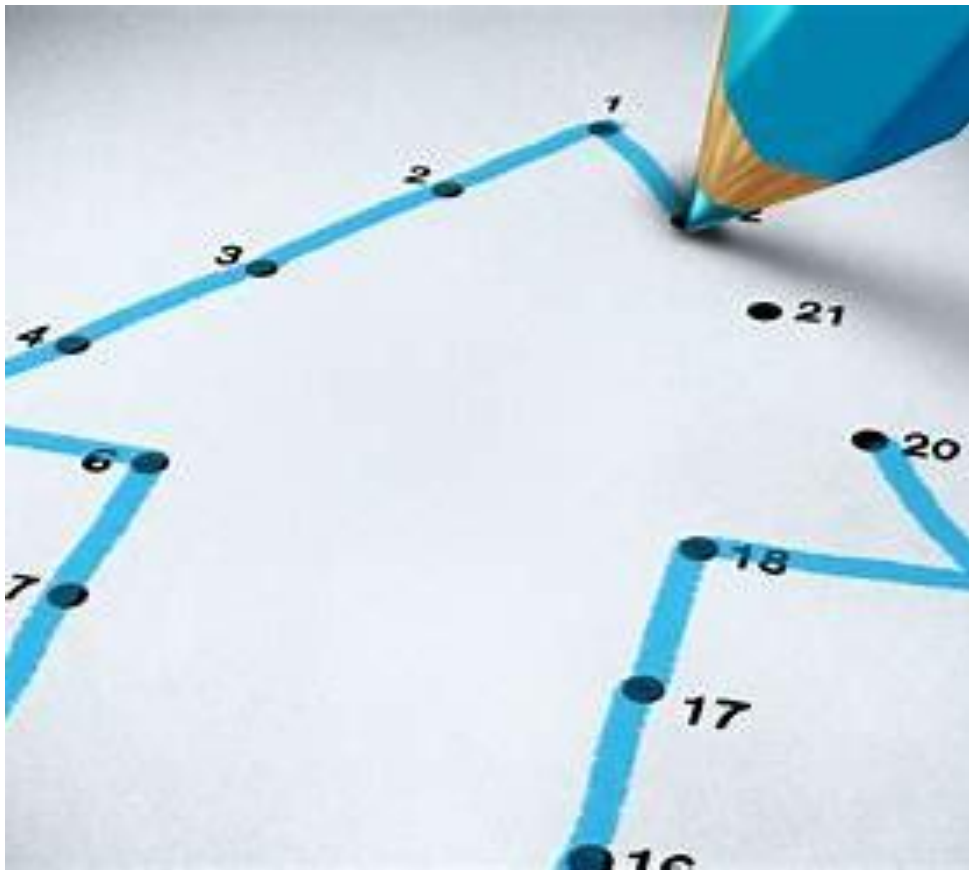
Call to Action - CTD

CTD ideal for:

- *Size*
- *Cost*
- *Complexity*
- *O&M*



Connect the dots to ensure the best system for the lot



QUESTIONS?

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