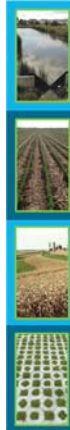


# WI Standards Oversight Council (SOC)

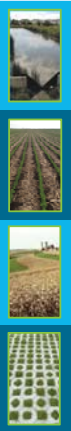
**Kate Brunner**  
Program Manager  
Standards Oversight Council

**Mike Hackel**  
Vice President  
Homburg Contractors, Inc.



## Why Technical Standards?

- Set minimum criteria for conservation practices
- Protect the state's natural resources
- Provide sound basis for public cost-sharing for BMPs
  - Also for compliance with certain environmental regulations
- Maintain fairness and minimize risk
  - Landowner
  - Contractors and conservation professionals
  - Taxpayer
- Maintain conservation program credibility



## Poll Question SOC Familiarity



## Life Before SOC (early 1990's)



- Technical Standard needs outpaced agency resources
- Insufficient input from partner agencies, field staff and researchers (on standards and priorities)
- Inconsistent standards between programs/variances
- Local stormwater ordinances without BMP technical standards
- No process/entity to voice concerns
- All this led to interagency conflict/inefficiencies



## What is a Technical Standard?

**Water Quality Standards (NR 102, 104, 105, etc.)**

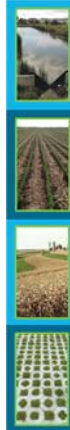


**Performance Standards (NR 151)**



**Conservation Practice/BMP Technical Standards**

*Defines minimum criteria for planning, design, installation and maintenance of the conservation practice*



## SOC Creation Process

- 1994 - County conservation association resolution to support an interagency process to maintain technical standards
- Total Quality Management team (including reps from DATCP, DNR, NRCS, Counties, WLWCA, WALCE) recommended an interagency group to oversee the technical standards process
- SOC Handbook
- 1996, 2020 - MOA executed between partner agencies/organizations
- 1997 State budget bill [s. 281.16(2) and (3) Wis. Stats.]:
  - Required DNR (urban) and DATCP (agric.) to prescribe by rule a process for development of technical standards



## Standards Oversight Council

An inter-agency effort used to develop high-quality technical standards used across Wisconsin's conservation programs.



## SOC Accomplishments (25 years!)

- High quality, science-based BMP technical standards
  - Developed/updated hundreds of standards
  - Responded to thousands of public comments
- Uniformity among conservation agencies and programs
  - Fairness/consistency to landowners (and contractors)
  - Reduced risk to staff, taxpayers and landowners
- Openness and accountability



## Coming Soon

- Permeable Pavement
- Horizontal Directional Drilling
- Dry Pond
- Enhanced Phosphorus Removal



## SOC Program Manager

1. Biennial technical standards needs assessment (user survey)
2. 2-year interagency work plan
3. Coordinating/supporting work teams (for each technical standard)
  - Conducting research/drafting standards/meeting notes/logistics
  - Distribution of drafts for public comment/compiling results/respond
4. Maintain SOC website/technical standard training/education
5. Coordinate meetings of SOC work teams and the advisory representatives



## How to Get Involved?

- Subscribe to SOC listservs to stay informed
- Comment on draft standards
- Participate as a team member
- Complete Technical Standards Assessment Survey (odd years)



[www.socwisconsin.org](http://www.socwisconsin.org)



# Technical Standard 1072 Horizontal Directional Drilling

- Started in October 2019
- Representatives from
  - Agencies - WisDNR, WisDoT, Dane County
  - Utilities – We Energies, Alliant Energy
  - Contractors – Michels Corp., MJ Electric, Homburg Contractors
  - Consultants – GAI Consultants, Kapur, Stantec



# Horizontal Directional Drilling



Photo Credit: Underground Construction.com



# Horizontal Directional Drilling

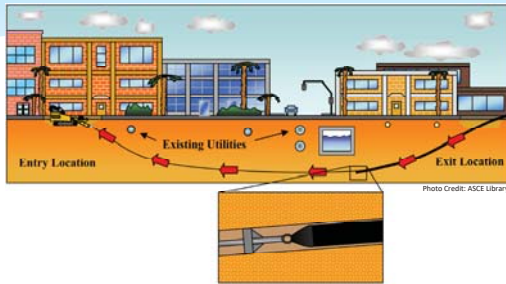


Photo Credit: ACEE Library



# Need for the Standard

- Becoming more popular each year
- Can be high risk for environmental impacts



# Horizontal Directional Drilling



Drill Head and Launching Pit

Photo Credit: PE100.com



Pull Pack Connection

Photo Credit: Macauley Trenchless.com



# Horizontal Directional Drilling



Photo Credit: Utilitymagazine.com



## Horizontal Directional Drilling



Photo credit: abcnews.com



## Poll Question - HDD



## Technical Standard 1072 Horizontal Directional Drilling

- **Installation Diameters**
  - 1" to an excess of 60"
- **Installation Lengths**
  - <100' to >2 miles
- **Soil Types**
  - Solid rock to marsh land
- **Presence of environmental resources**
  - Open Water – Lake, River, Stormwater BMPs
  - Woodlands, Grasslands



Photo Credit: Micheli.us



## Questions?

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## Technical Standard 1072 Horizontal Directional Drilling

- **Protective Measures**
  - Planning
  - Field investigations
  - Monitoring
  - More.....



Photo Credit: Micheli.us

