

WISCONSIN DEPARTMENT OF NATURAL RESOURCES

Private Water Advisory Council

Ebony Room, Kalahari Resort, Wisconsin Dells, WI

January 18, 2023 | DNR.WI.GOV



Meeting Agenda

- Welcome and Introductions
- PWAC Board Membership
 - Thank you to outgoing members
 - Review member terms
 - New members
- WGNHS Updates (Pete Chase)
- DNR Updates
 - Staffing Updates (Nessman/Steinke)
 - Compliance and Enforcement activities (Steinke/Fetter)
 - NR 812 Revisions (Fetter)
 - Board Order DG-07-22(E) and DG-08-22 update (Type IL Cement)
 - Next up: NR 812 Subchapter III, and NR 146 (Fetter/Gundrum)
 - Draft Scope Statements
 - Licensing & Continuing Education (Gundrum)
 - 2022 license data review
 - Rig Operator Training
- New Business
- Old Business
 - Change in definition of School Wells in NR 812.07(94) (7/20) – Daycares (carried over from January 2022)
 - Driller Track to Licensing (“road map” or “apprenticeship”) program (Jeff Beiriger/All)
- [October 2022 Meeting Notes](#)
- Future Meeting Dates
 - April 2023 – WGNHS Research Collections & Educational Center, Mt. Horeb
 - October 2023 – Location TBD



Welcome and Introductions





Thank You to Outgoing PWAC Members!

Matt Niffenegger

THANK YOU

PWAC Board Membership

Advisory Council on Well Drilling and Pump Installing Membership and Terms – as of April 2022						
Appointing Organization Name	1 st Term Expires	2 nd Term Expires	3 rd Term Expires	4 th Term Expires	5 th Term Expires	6 th Term Expires
WWWA - Well Drillers						
Scott Haupt	1/31/23					
Troy Van de Yacht	1/31/21	1/31/24				
Terry Farago	1/31/22	1/31/25				
DNR - Well Drillers						
Eric Schuette	12/31/16	12/31/19	1/31/23			
Tim Butterfield	1/31/24					
WWWA - Pump Installers						
Dennis Crow	1/31/25					
Terry Marshall	1/31/25					
DNR - Pump Installers						
Steve Tesmer	1/31/22	1/31/25				
Matt Niffenegger	1/31/24					
Wisconsin Geothermal Association						
Bruce Walker	12/31/17	1/31/21	1/31/24			
Wisconsin Geologic and Natural History Survey						
Pete Chase	<i>No limit</i>					
Wisconsin Pump and Well Suppliers						
Scott O'Brien	12/31/17	1/31/21	1/31/24			
Vacant						

Private Water Advisory Council

- **Wisconsin Geologic and Natural History Survey Updates**



Staffing Updates

- Adam Ornelles and Grace Fleszewski– ARPA well compensation hydrogeologists
- Adam – Tech review of well comp apps
- Grace – Well comp intake and review of abandonment grant apps

Staffing Updates

New Northeast Region Specialist – Ben Degner

- Started January 3rd
- Stationed out of Green Bay

Added 4 Private Water Field Expert Positions

- **Private Well Contamination Response and Coordination**
Steve Janowiak, Wisconsin Rapids – West Central counties
- **Field Enforcement and Inspections**
Adam Scheunemann, Wisconsin Rapids – Central WI Counties
- **Existing Installations and Property Transfer Well Inspections**
Greg Roanhouse, Waukesha – Southeast Counties
- **Approvals, Variances, and Complex Well/Drillhole Situations**
Jim Kasdorf, Milwaukee – Southeast/central Counties

Coverage areas may change a bit as we head into 2023

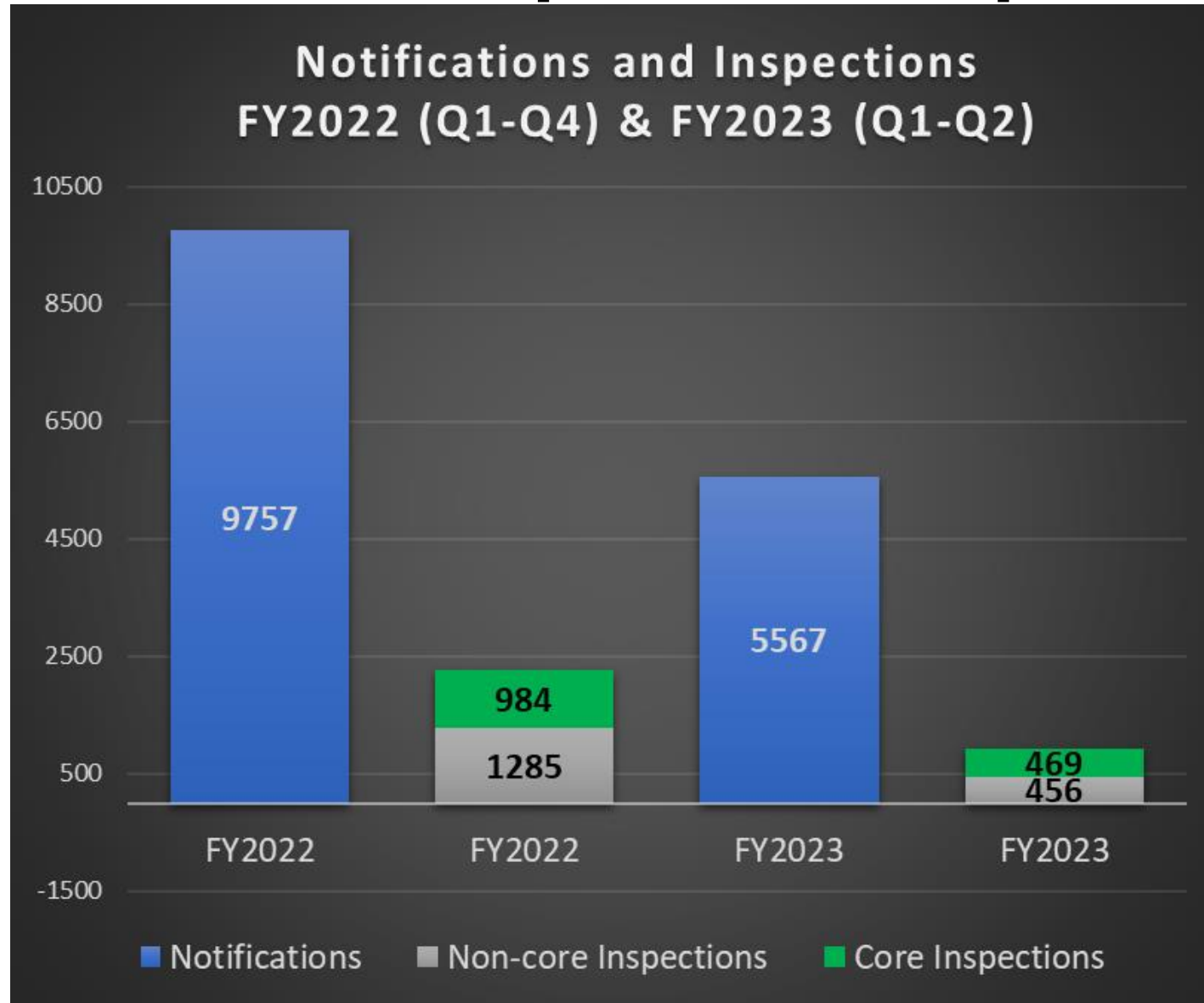


Compliance & Enforcement

Compliance Inspections



Compliance Inspection Data



FY2022 (Fiscal Year 2022)
July 2021 through June 2022

FY2023 (Fiscal Year 2023)
July 2022 through December 2022

Notifications

Purchased state well permits

Core Inspections

Wells during construction
Pump installation
Well filling and sealing

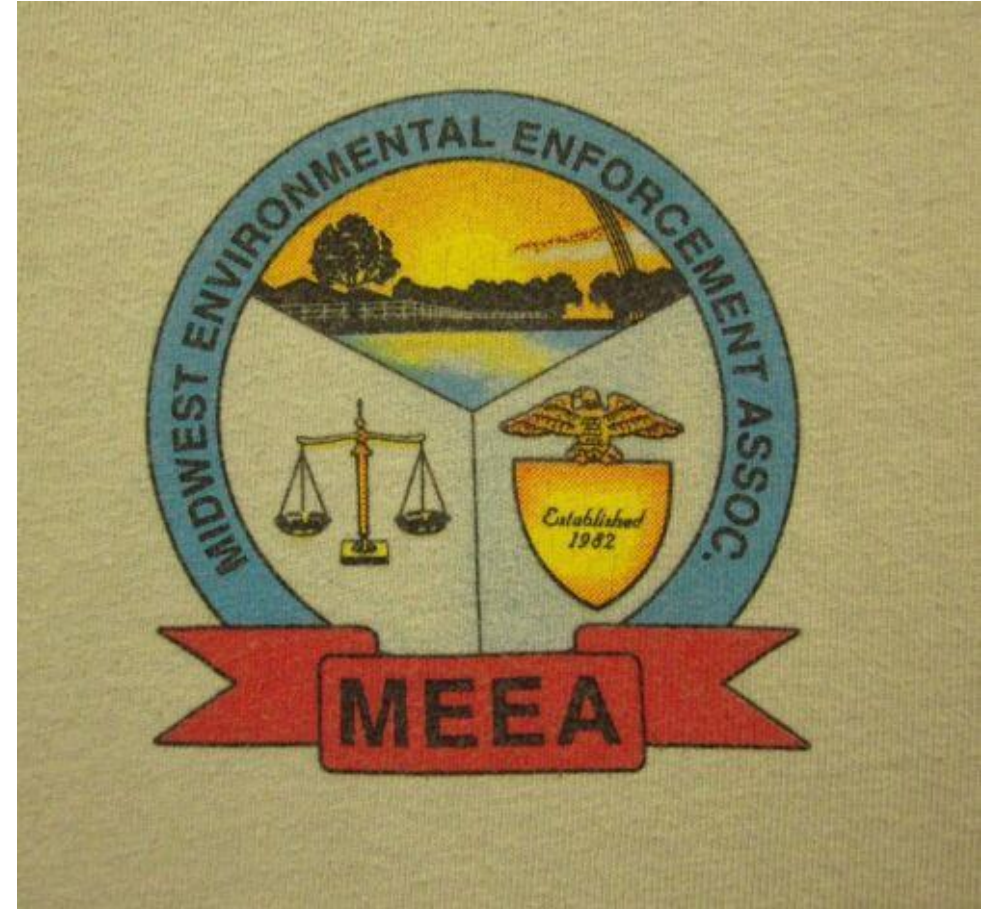
Non-core Inspections

Pre- or Post-construction

Compliance & Enforcement

2022 Primary Enforcement:

- Total NONs issued in 2022: 47
- NONs since October 27, 2022: 2
- Most Common Violations:
 - Location/Separation Distance
 - Unlicensed Work (mostly PI)
 - Noncompliant Electrical Conduit
 - Reporting (various)



Compliance & Enforcement

- **Secondary enforcement:**
 - **NOVs issued in 2022:**
 - **WD Noncompliant Grouting**
 - **WD Noncompliant HEX construction**
 - **Citations issued, 2022 = 2**
 - **Active cases: 2**
 - **Pending Cases: 4**
 - **WD/PI – Unlicensed WD/PI work (3 Cases)**
 - **PI – Working on Noncompliant System**
 - **Referrals to DOJ:**
 - **1 current DOJ referral (2017)**
- STILL awaiting legislative closure**

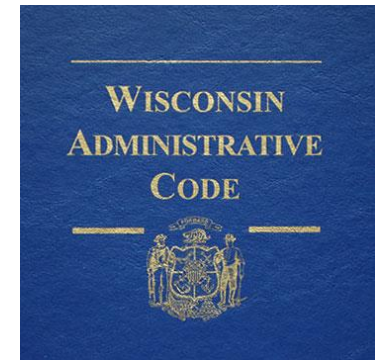


NR 812 Rule Revisions

- Board Order DG-07-22(E) & DG-08-22
 - Type IL Cement Added to NR 812
 - Emergency Rule Approved by NRB 12/14/22
 - Emergency rule in effect as of 01/12/23
 - Next hearing on both rules 03/22/23



NR 146 Scope Statement



- **Draft rule language may not be started before a Scope Statement is approved by the Natural Resources Board**
 - **Advisory committee (if necessary) to start work after Scope Statement Approved**
- **Scope Statement for NR 146**
- **Objectives:**
 - **Correct grammatical, spelling and punctuation errors**
 - **Address redundancies, omissions and clarify to improve understanding and readability**
 - **Update continuing education, renewal and license application requirements to coincide with current processes**

NR 812 Scope Statement

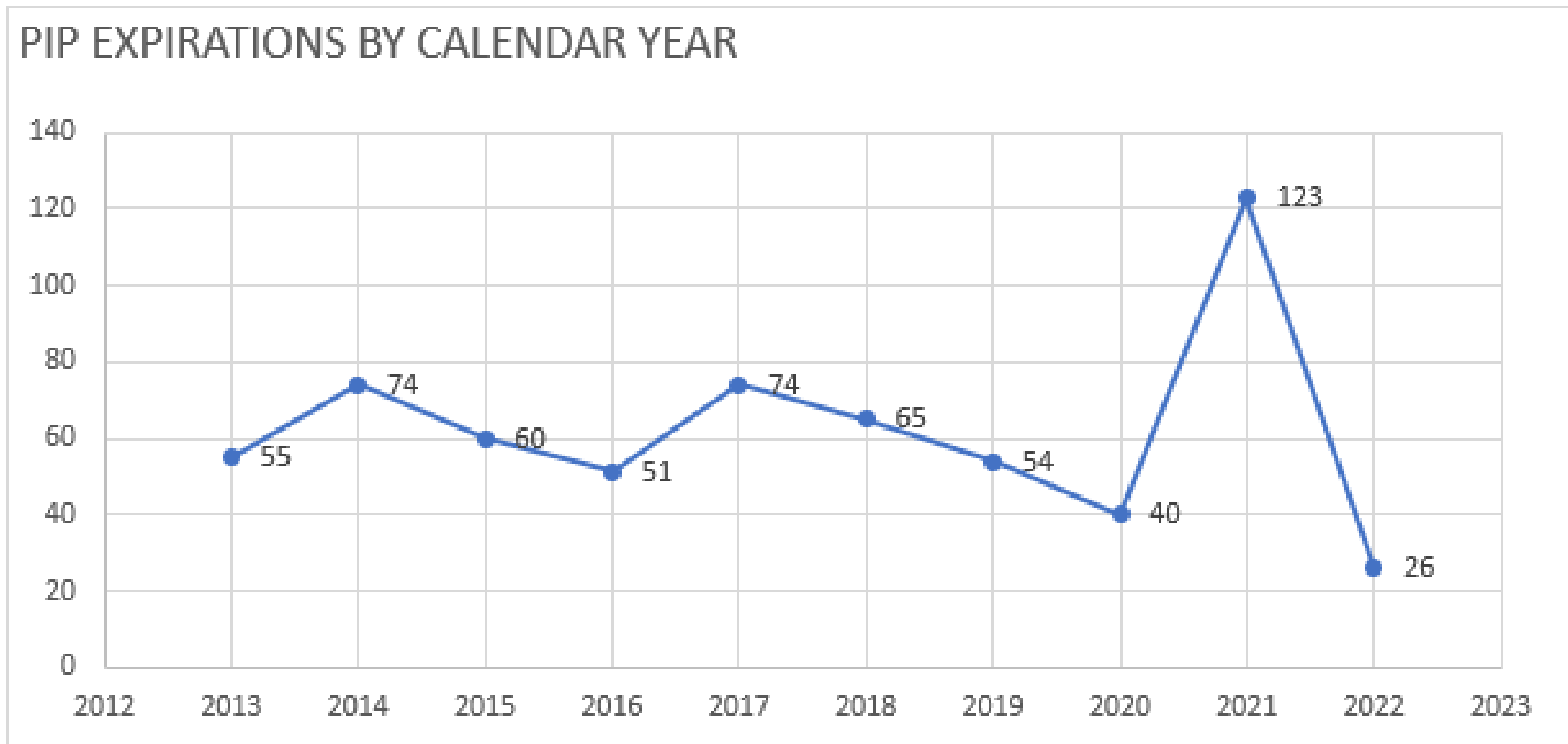
- Draft rule language may not be started before a Scope Statement is approved by the Natural Resources Board
 - Advisory committee to start work after Scope Statement Approved
- **Scope Statement for NR 812**
 - Scope will be contained to Subchapter III only (Pump Installation)
 - Objectives:
 - Correct grammatical, spelling and punctuation errors
 - Address redundancies, omissions and clarify to improve understanding and readability
 - **Pump Installer Requirements**
 - **Non-Electric Pump and System Installations**
 - **Water Storage Vessels**
 - **Water Treatment**
 - **Hand Pumps**
 - **Vermin-Proof Well Caps and Seals**
 - **Yard Hydrants**



**Private Water
Advisory
Council
Wisconsin
DNR Updates**

LICENSING

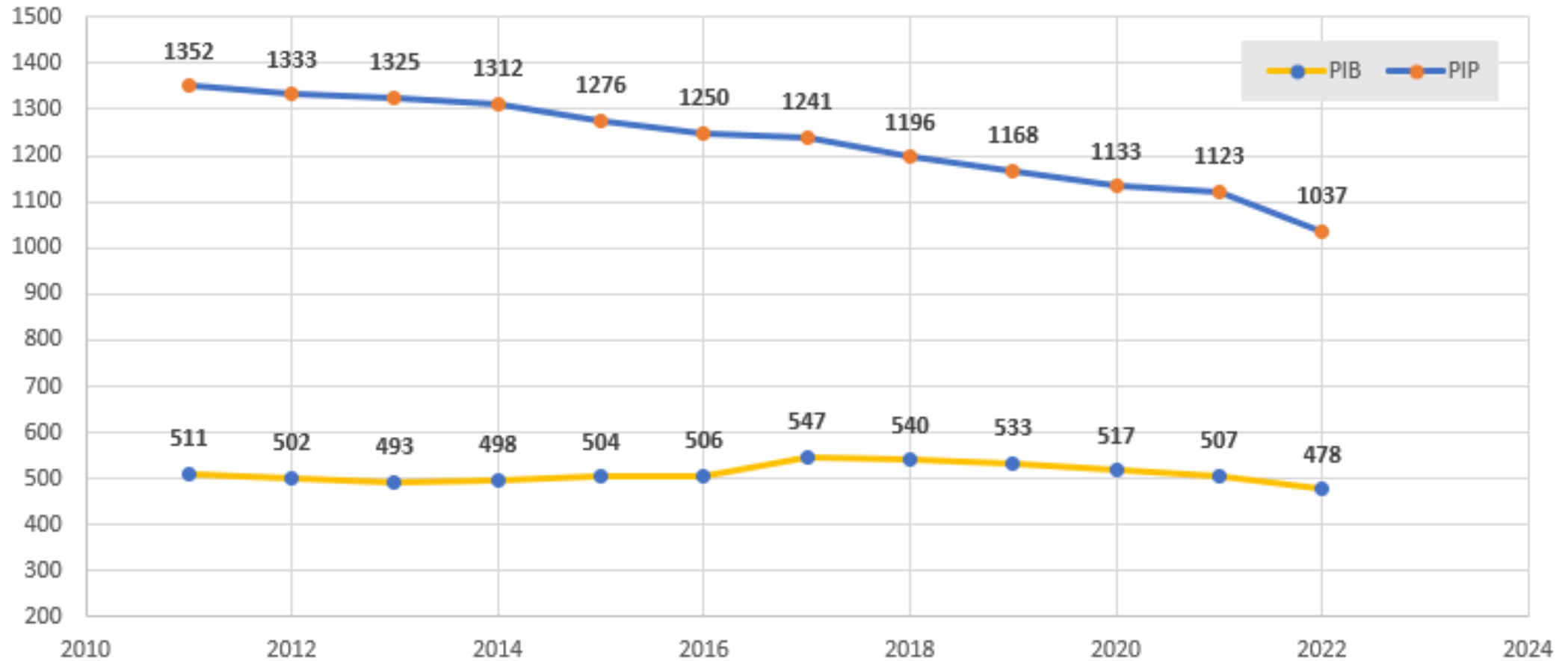
PIP EXPIRATIONS - 12/31/2022



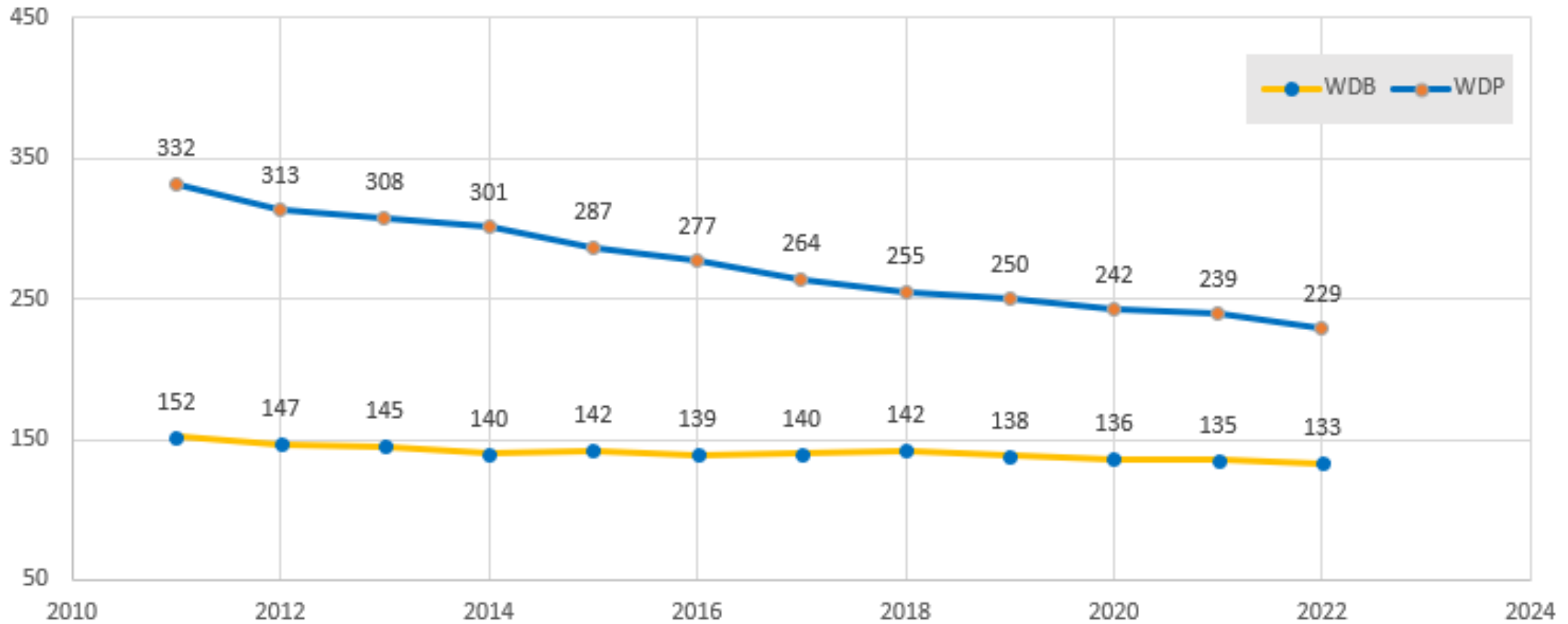
LICENSE & REGISTRATION

Year	HEDB	HEDI	HEDRO	PIB	PIP	WDB	WDRO	WDP
2011				511	1352	152	141	332
2012				502	1333	147	128	313
2013				493	1325	145	135	308
2014				498	1312	140	140	301
2015	17	37	20	504	1276	142	135	287
2016	25	38	40	506	1250	139	136	277
2017	24	36	36	547	1241	140	145	264
2018	22	32	33	540	1196	142	151	255
2019	22	29	28	533	1168	138	146	250
2020	22	26	39	517	1133	136	140	242
2021	22	28	30	507	1123	135	133	239
2022	21	26	28	478	1037	133	142	229

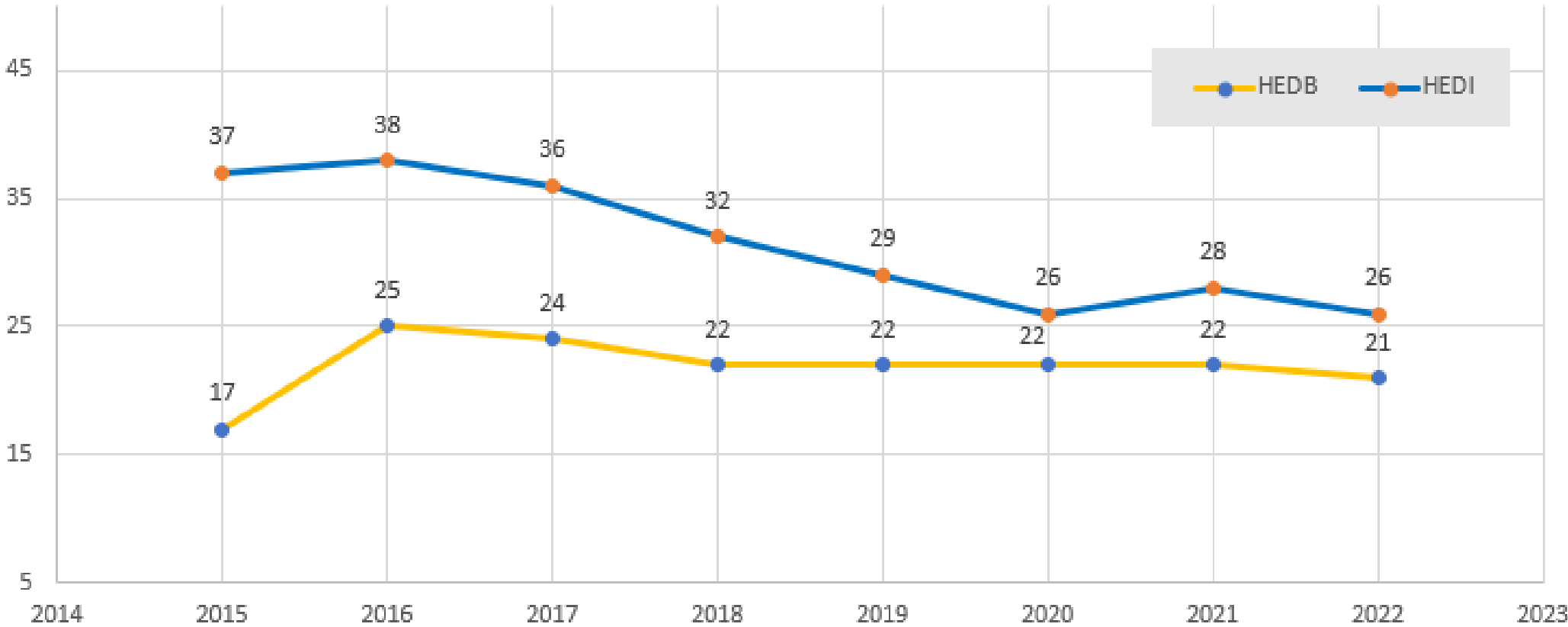
PUMP INSTALLER - 12/31/2022



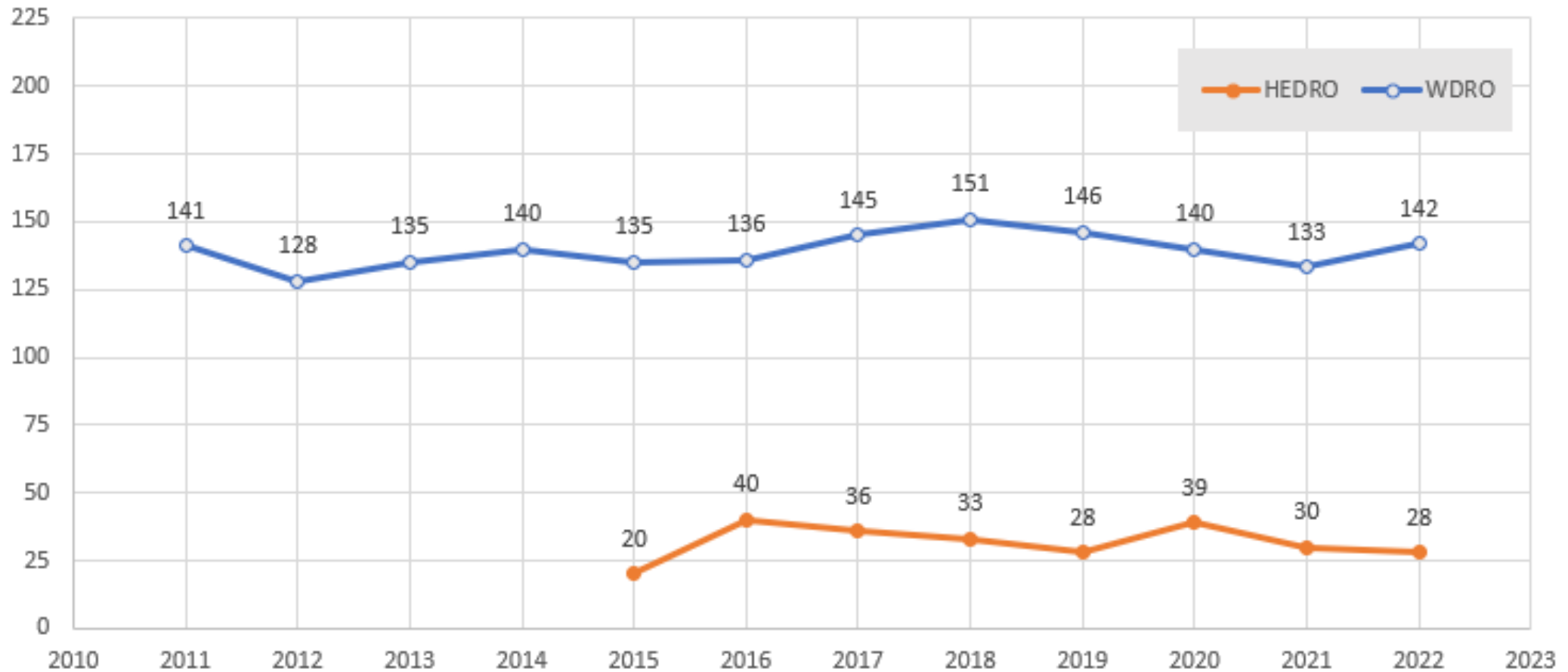
WATER WELL DRILLER - 12/31/2022



HEAT EXCHANGE DRILLER - 12/31/2022



RIG OPERATOR REGISTRATIONS - 12/31/2022



Rig Operator Training

- **Required Training:**

- Cement or bentonite grouting of wells – 6 hours
- Drilling Fluids – 6 hours
- Geology of Wisconsin – 3 hours
- Well codes – 6 hours
- Well filling and sealing – 3 hours
- Safety and first aid – 3 hours
- Welding – 6 hours



- **Approach:**

- Communicating with those who have expressed interest or applied
- Review past training that may apply
- Assess and compile training needs of the group
- Identify training opportunities
- Establish training plans

Rig Operator Training - Welding

- 2G Welding Certification at Accredited Test Facility
- Hands-on qualification test conducted by certified welding inspector

Pipe Welding Certification Positions

When it comes to welding pipe there are four main positions and again they are typically groove welds. There is also a coding system to identify the positions and joint types. They are as follows:

- 1 is for a pipe in the horizontal position that is rolled.
- 2 is for a pipe in the fixed vertical position.
- 5 is for a pipe in the fixed horizontal position.
- 6 is for a pipe in a 45 degree fixed position.
- R is for the restricted position.

Rig Operator Training – Grouting/Drilling Fluids

Jim Hutmacher/Wyo-Ben – Updates/Discussion??

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- Drilling Fluids – 6 hours
- Well codes – 6 hours
- Well filling and sealing – 3 hours

Private Water Advisory Council

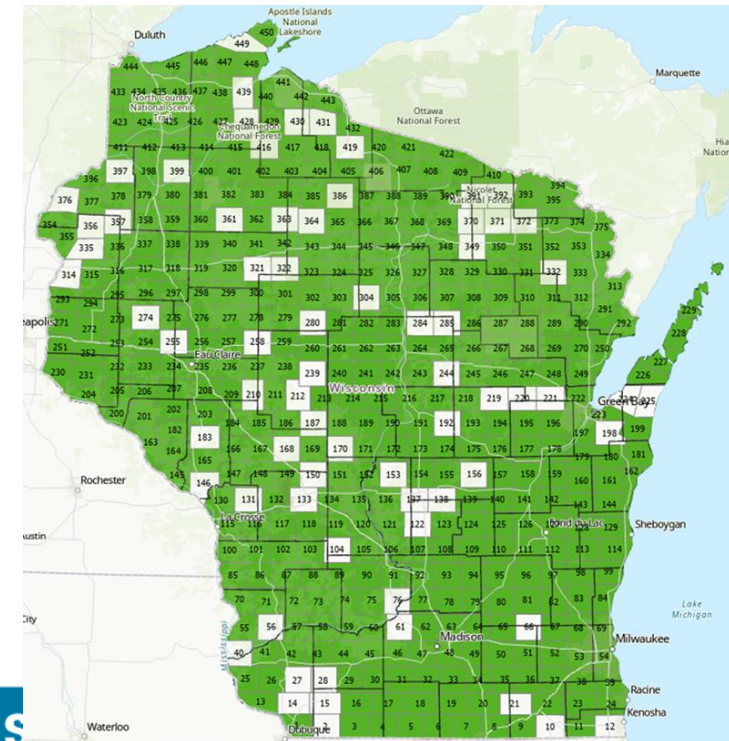
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New Business – PFAS Activities

- Study of ambient PFAS in drinking water
 - Divided state into 450 grid cells
 - Sampled one well from each section of grid
 - Shallow groundwater sampling



New Business - PFAS activities

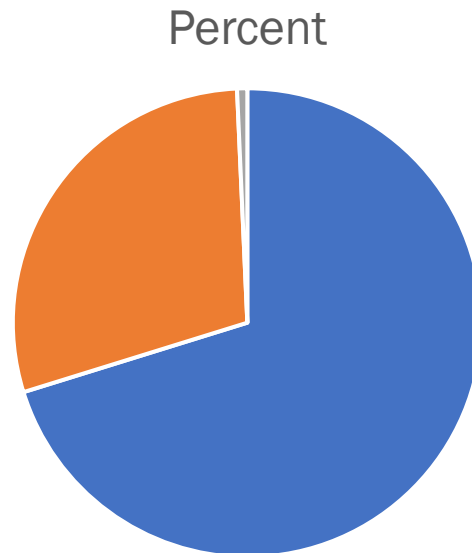
Study of ambient PFAS in drinking water

- Divided state into 450 grid cells
- Sampled one well from each section of grid
- Shallow groundwater sampling



Initial overview of PFAS results

- 29% had no detections of any PFAS
- 70% detected PFAS but below recommended GW standards
- 0.7% detected PFAS above recommended GW standard



□ ND □ < GW Standard □ > GW Standard

Oneida County

- Town of Stella detections above recommended standards
- Temporary water is being provided
- No identified source
- No clear long-term solution
- Working to find additional resources



STAY SAFE!



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"WILD WISCONSIN:
OFF THE RECORD"