



# IOWA DEPARTMENT OF NATURAL RESOURCES

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LEADING IOWANS IN CARING FOR OUR NATURAL RESOURCES

## 2019 MECC Iowa Roundtable

Ed Tormey, Acting ESD Division Administrator

Sarah Piziali, AQ Construction Permit Supervisor

Adam Schnieders, WQ Executive Officer

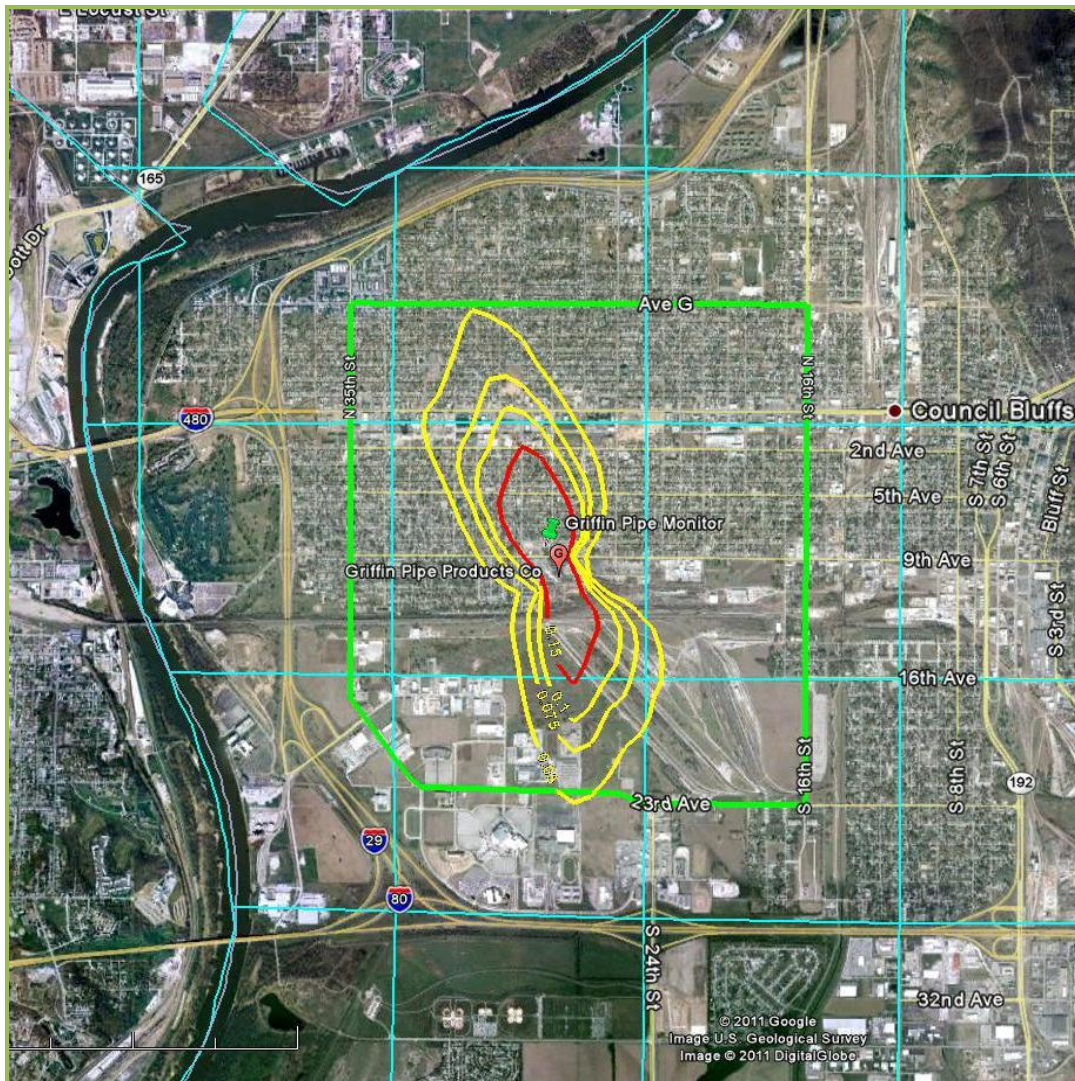
# Current Initiatives and Updates

- Air Quality
  - Nonattainment Status
  - NSR Rulemakings and Guidance
  - Electronic Permit Application System – *Iowa EASY Air*
- Land Quality
  - Land Recycling Program
  - Electronic Permit Application System – *PRMT 2020*
- Water Quality
  - Nutrient Reduction Exchange
  - Manganese

# Current Initiatives and Updates

- Field Services and Compliance
  - Program Activities Update
  - 2019 Flood
- Regulatory Agenda

# Lead Nonattainment – Council Bluffs



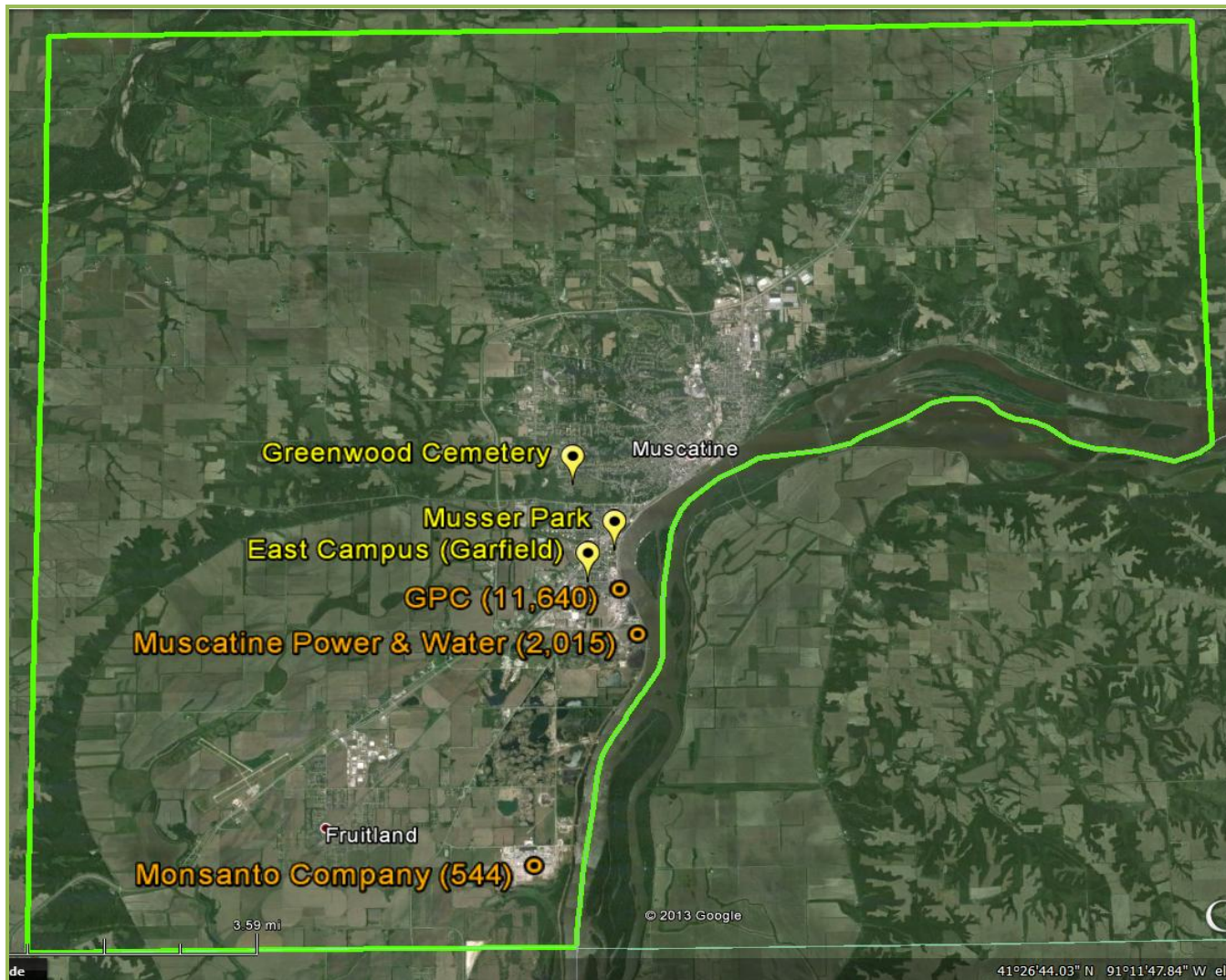
Portion of City of Council Bluffs

Form: 3-month average

Designated Nonattainment:  
December 2011

Redesignated Attainment:  
October 2018

# SO<sub>2</sub> Nonattainment – Muscatine County



Portion of Muscatine  
County

Form: 1-hour average

Designated  
Nonattainment:  
October 2013

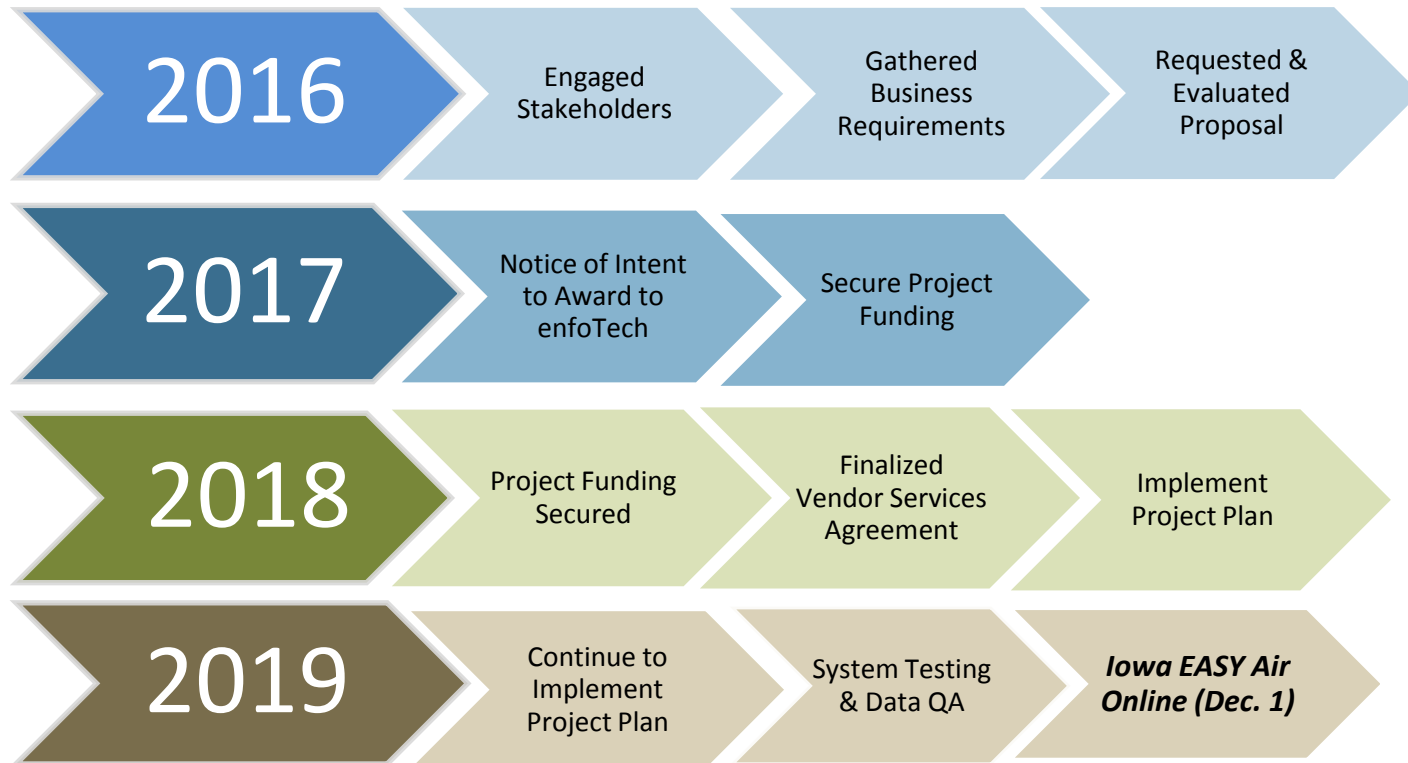
Attainment Plan  
Submitted: May 2016  
(waiting for EPA  
approval)

# NSR Rulemakings and Guidance

- EPA is updating NSR in a series of phases under the umbrella term “NSR Improvement”
- Phase 1 Underway
  - “Once in, Always In” (OIAI)
  - Single Stationary Source Determinations
  - Project Aggregation
  - Project Emissions Accounting
  - Ambient Air
- EPA NSR Website
  - <https://www.epa.gov/nsr/nsr-regulatory-actions>

# Iowa EASY Air

- Identified need for efficient application method for construction and operating permits
- EASY Air in development to replace legacy system SPARS



# Land Recycling Program (LRP)

- LRP is Iowa's Voluntary Cleanup Program (VCP) to address soil, groundwater or vapor intrusion contaminants
- Enrollee does site assessment and needs based on 'statewide standards' for intended reuse goal
- Direct cleanup, site covenants or local ordinances are put in place to mitigate contaminant exposures for intended use
- Benefits of LRP enrollment and completion for a site include:
  - Provides limited liability protection from DNR and EPA to current and future owners
  - Certificate is listed on property deed / abstract ensures full disclosure of remedy or covenant restrictions
  - Encourages confidence in redevelopment at brownfield sites





# PERMT 2020

## Permit and Environmental Review Management Tool

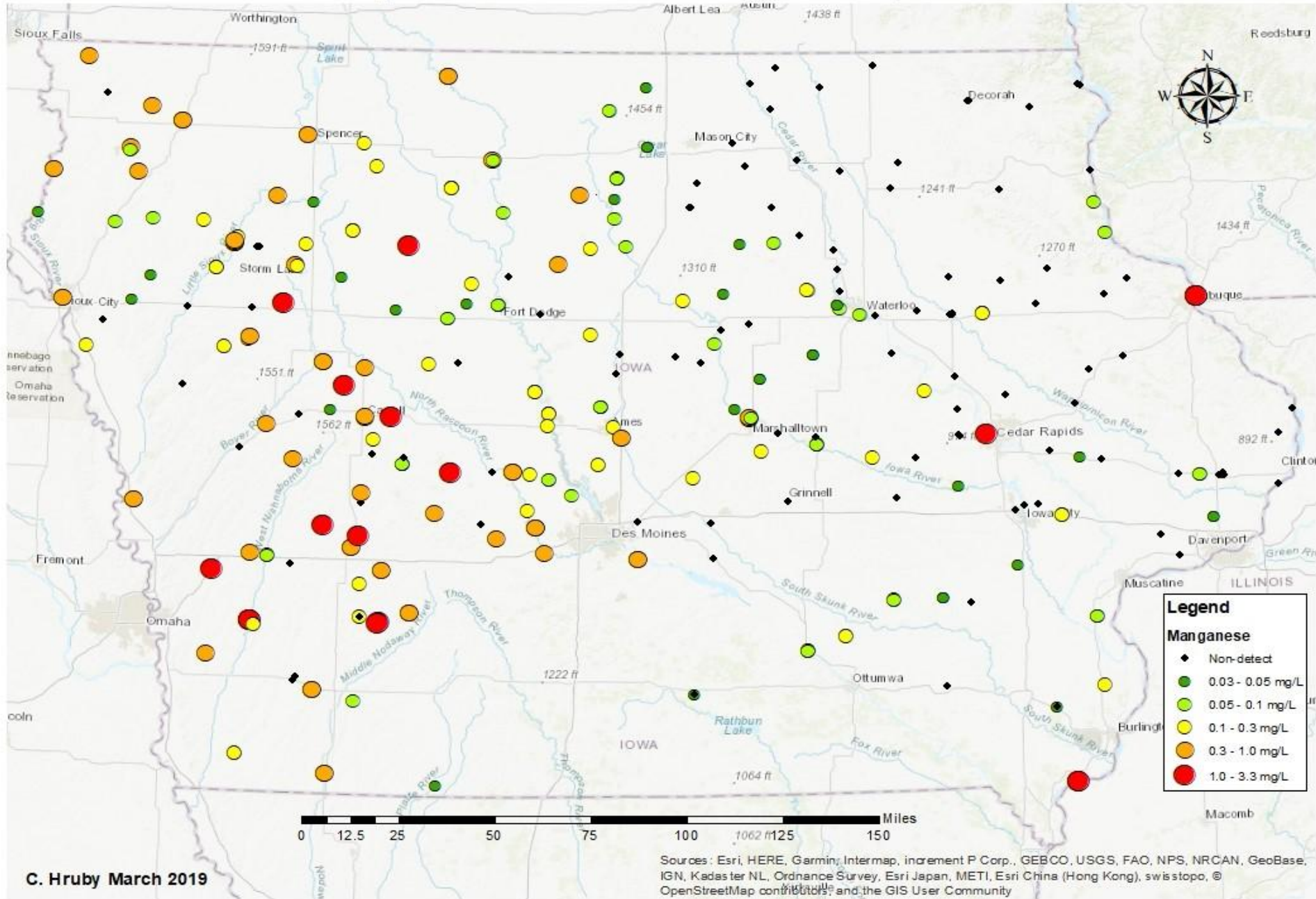
- Joint Application System for:
  - DNR Flood Plain Permit
  - DNR Sovereign Lands Permit
  - US Army Corps 404 Water Quality Permit
- PERMT will help you to:
  - Determine if you need to apply for permits
  - Submit Joint Application to DNR and the US Army Corps of Engineers with push of a button
  - Track the status of your application

# Water Quality Bureau Updates

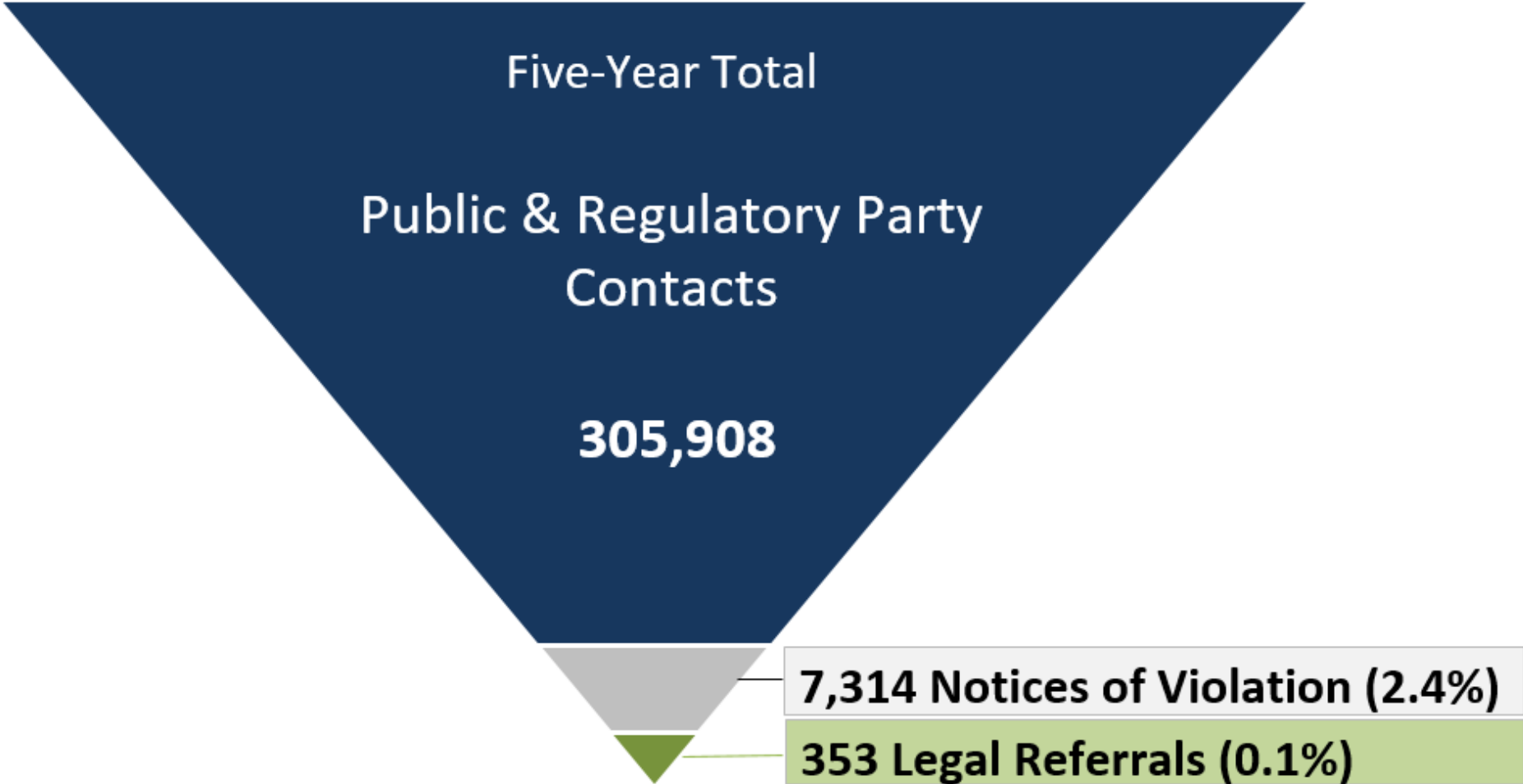
- NPDES Delegation
- Water Quality Standard Revisions
- Manganese
- Nutrient Reduction Exchange
- WOTUS

# Iowa Ambient Groundwater Monitoring Program

## Manganese concentrations in raw water samples



# Iowa DNR Field Services Environmental Program Activities (2014 - 2018)



# EPA v. ECOS Strategic Measures

EPA Strategic Measures (FY18-22) <i>Agency Priority Goal (APG)</i>	ECOS Results Common Measures	Iowa Measures
Reduce number on non-attainment areas from 166 to 101 (2019 APG = 138)	Ambient Concentrations of Pollutants Relative to the National Ambient Air Quality Standard (NAAQS) Over Time Point Source Emissions of PM10 and 2.5, CO, NOx, SO2, and VOCs Over Time Comparison of Economic Indicators Versus Emissions of Common Pollutants (percent change of EPA 6 common air pollutant emissions, GDP, vehicle miles traveled, and population growth since 1997)	Iowa
Make 3,420 additional Brownfields sites RAU (2019 APG = 1,368 additional)	Brownfields - Returning Contaminated Land to Productive Use (federally-funded and state-funded cleanups)	Iowa
Make 536 additional RCRA corrective action facilities RAU	Percent of RCRA Facility Inspections Where No Significant Non-Compliance is Found Percent of RCRA Facilities in Corrective Action with Human Exposure under Control	Iowa
Complete 56,000 additional Leaking Underground Storage Tank (LUST) cleanups that meet risk based standards	Number of LUST Cleanups Completed that Meet Cleanup Standards Percent Underground Storage Tank (UST) Facilities in Significant Operational Compliance Over Time	Iowa
Reduce number of community water systems out of compliance with health-based standards from 3,600 to 2,700	Percent of State Population Served by Compliant Community Water Systems (CWS) and Percent of Community Water Systems Meeting All Applicable Health-Based Standards	Iowa
Reduce number of square miles of watershed with surface water not meeting standards by 37,000 square miles	Percent Waterbodies Monitored and Waters Meeting Designated Uses	
Increase environmental law compliance rate (2019 APG = reduce Clean Water Act NPDES permittees in significant noncompliance with their permit limits from 24% to 21%)	Percent of Major Wastewater Dischargers without Significant Non-Compliance	
Increase by \$40 billion the non-federal dollars leveraged by EPA water infrastructure finance programs (2019 APG = increase by \$16 billion)	Investments in Water Infrastructure - Cumulative funds invested into wastewater and drinking water projects over time.	Iowa

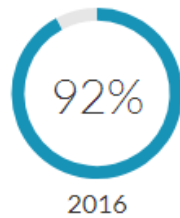
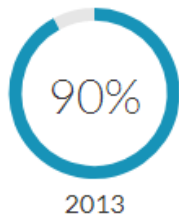
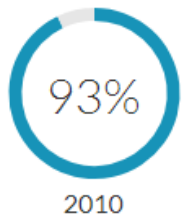
# ECOSRESULTS.ORG

## Drinking Water

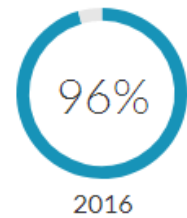
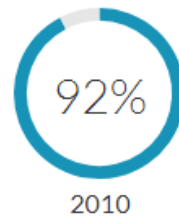
The U.S. has one of the world's most reliable and safest supplies of drinking water, enabling millions of Americans daily accessing high quality public water systems. Drinking water facilities must comply with federal and state regulations to meet the high drinking water standards.

[Learn more about drinking water.](#)

Percent of Iowa's population being served by **compliant community water systems**



Percent of Iowa's community water systems **meeting all applicable health-based standards**



# 2019 Floods

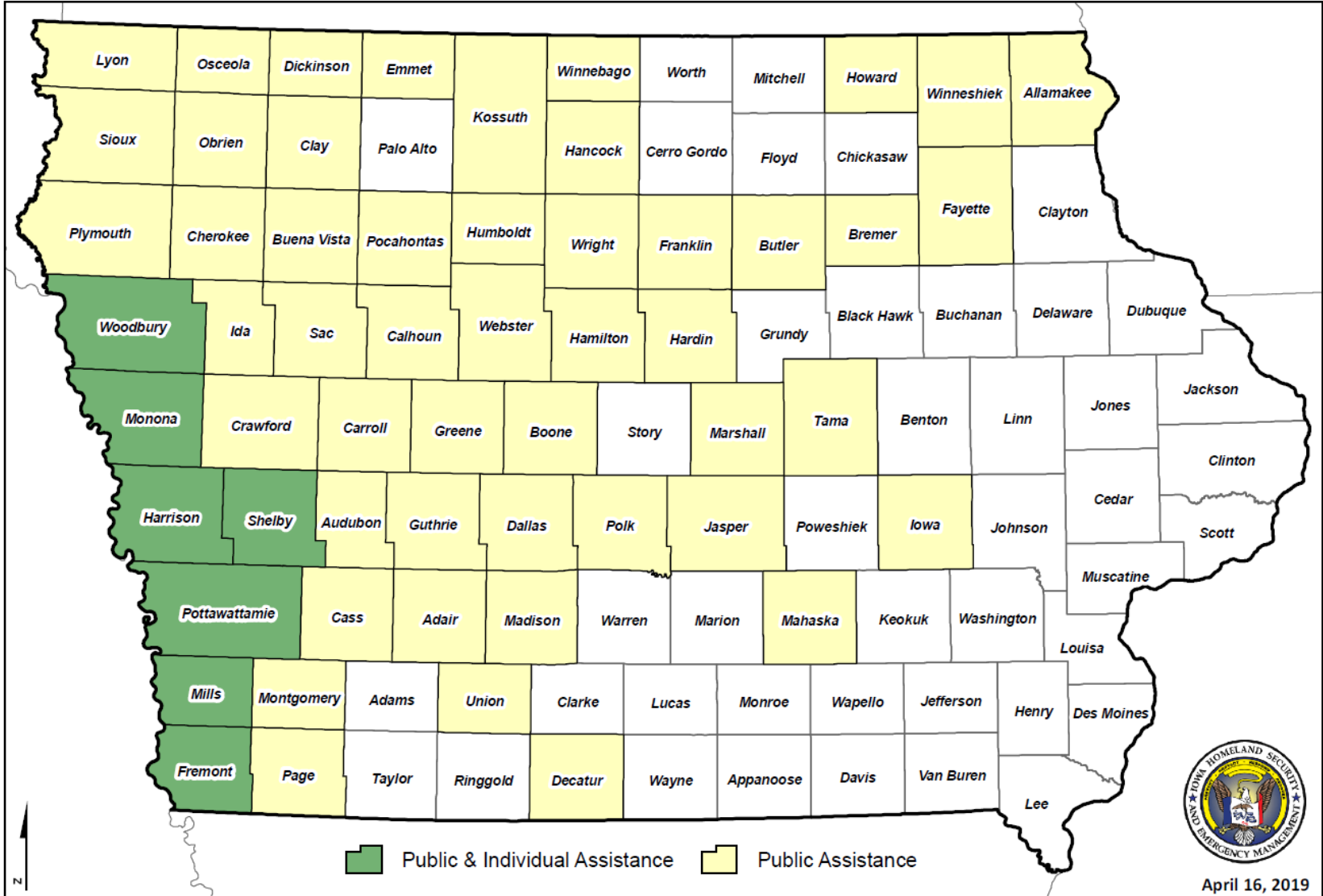


*IDOT - 4/4/19 - I-29 between Hwy 34 and Hamburg*

# Presidential Disaster Declaration

## DR-4421, Public & Individual Assistance

Severe Weather/Flooding - March 12, 2019 and Continuing







*IDOT - 04/05/2019 - US 34 westbound looking west*



*IDOT - 4/4/19 - I-29 between Hwy 34 and Hamburg*



*IDOT - 3/28/19 - I-29 at MO/IA border*





*IDOT - 3/28/19 - I-29 at Iowa 2 interchange*

# Current and Planned Rulemakings

- Regulatory Agenda
  - Full agenda posted at <https://www.iowadnr.gov/About-DNR/About-DNR/Administrative-Rules>
- AQ Regulatory Certainty Rulemakings
  - Federal regulation updates and required electronic emissions reporting
- LQ
  - Adopt federal requirements for UST maintenance, release detection, and prevention
  - Streamline and clarify the dam safety permitting process

# Current and Planned Rulemakings

- WQ
  - Metals Criteria
  - Batch #5 UAAs
  - Copper BLM
  - Lake NNC (not planned, just an update of recent events)