



# IOWA DEPARTMENT OF NATURAL RESOURCES

LEADING IOWANS IN CARING FOR OUR NATURAL RESOURCES

# Spring 2019 Outline

- Landfill Permitting and Operation Update
- Financial and Business Assistance Update

# Landfill Permitting and Operation

- ❑ Ending or Reducing Post Closure
- ❑ Water Quality - What's New
- ❑ Interesting Leachate Treatment Data
- ❑ Emerging Contaminants of Concern - PFAS
- ❑ Flood Clean-up
- ❑ EPA's Final Rule - Hazardous Waste  
Pharmaceuticals

# Ending or Reducing Post Closure

- ❑ EPA Draft Guidance - Winter 2018?
- ❑ DNR Approach
  - ❑ Currently Reviewing one MSW and two C&D Sites
  - ❑ Anticipating receipt of six more candidates

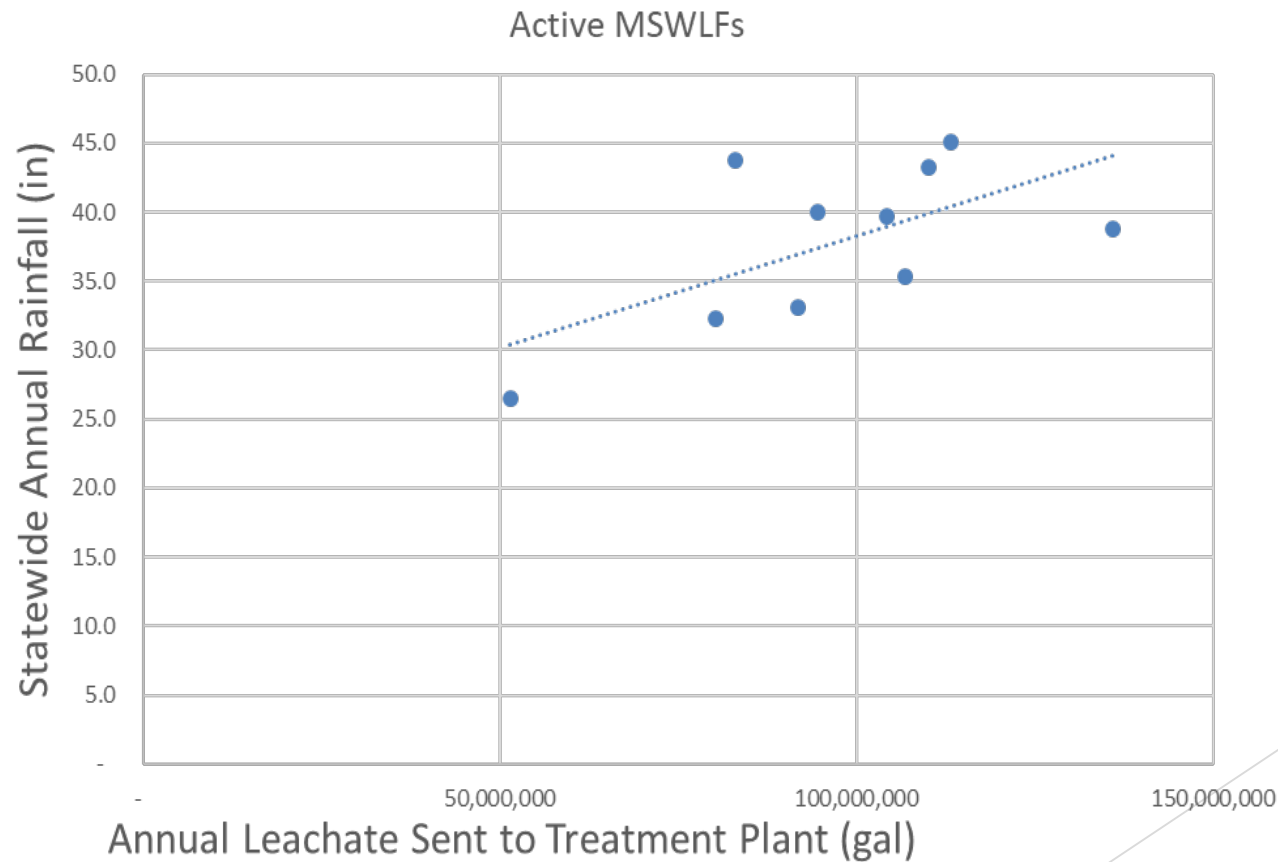
# Water Quality

- ❑ Variance to Well Abandonment Rules
- ❑ Monitoring Optimization
  - ❑ Characterization of leachate quality
  - ❑ Identify Sensitive Parameters to use as Indicator Parameters
  - ❑ Periodically run the Entire Appendix I List
  - ❑ Periodically Sample Leachate
- ❑ State Groundwater Quality Database - EQUIS

# Leachate Treatment

- ❑ What quantities are being sent to treatment plants? - 100,840,000 gallons/year from active landfills - averaged over last ten years
- ❑ That averages out to 37 gallons of leachate per year is sent to a treatment system for every ton of waste landfilled.

# Effect of Rain on Leachate Generation



# Flood Clean-up

- ❑ Emergency Transfer Station Permit  
If Waste is Staged
- ❑ Contact DNR - Chad Stobbe 515-725-8351



# Financial and Business Assistance

- ❑ Lithium Batteries
- ❑ Environmental Management System  
Participants should be up to 14 with anticipated EPC approval in April
- ❑ Derelict Building Grant Program is Currently Reviewing Applications
- ❑ Comprehensive Planning Round Number Eight Underway
- ❑ Vision for Iowa

# Vision for Iowa

- ▶ Conducting life cycle analysis of waste materials to prioritize what we should focus on
- ▶ How we measure environmental protection/benefits
- ▶ Evaluate DNR programs currently available
- ▶ Determine if fee structure (tonnage fee) needs changing

# Vision for Iowa

- ▶ Comparison of Iowa's integrated solid waste management system to select states using sustainable materials management as their guiding principles;
- ▶ Facilitation of a Think Tank stakeholder meeting - May 14 to outline a vision for Iowa based on sustainable materials management;
- ▶ Facilitation of three additional stakeholder focus group meetings; and
- ▶ Survey posted to DNR website to gather additional information

THANK YOU!

QUESTIONS?

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<http://www.iowadnr.gov/InsideDNR/RegulatoryLand/SolidWaste.aspx>