

# Sites of Interest Lessons Learned

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Water Pollution Control Branch

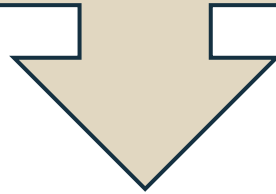
# Draft Permit Reviews

- Our stakeholders are:
  - Smart
  - Engaged
  - Involved
  - Detailed
  - Active
  - Using Social Media

And they are reviewing your work!

**“The public is very interested in this topic.”**

**“We are receiving hundreds of comments.”**



- **“Just follow the rules”**
- **“Ignore it”**
- **“It doesn’t matter”**

# House Bill 2134/1956

- Definitions
  - **10 CSR 20-2.010**
- Land Application Requirements
  - **INMTS**
    - Sampling
    - Practices
    - Rates
  - **LAMPs**



# House Bill 2134/1956



Photo Courtesy of the  
Cassville Democrat

- Fertilizer License Exemption
- AgChem Facilities
- Commingled offsite open storage basin/vessel
  - Setbacks
  - **Chain of Custody**
  - Sampling
- Update Rules (**10 CSR 20-6.015**)

# INMTS & LAMPs

- Land Application Rates
- Agronomic Rates - Pollutant Removal
  - Soil Sampling
  - P-Index
  - University of Missouri Agricultural Extension
- Pollutant Limits



# PFOA and PFOS

- Must sample all individual materials for PFOA and PFOS
  - Recommend source facilities conduct sampling
- Any detection of any PFAS compound requires soil sampling where land application of that material occurs
  - Minimum Detection Level = 4.0 ppt *for this soil sampling*
  - Method 1633



# PFAS Soil Sampling Limits

	Mg/kg	µg/kg	ppt
PFOS	3.0 E-5	0.03	30
PFOA	6.1 E-5	0.061	61
All PFAS	9.1 E-5	0.091	91

**Based on "Regional Screening Levels (RSL) for Chemical Contaminants at Superfund Sites," updated May 2024**  
**RSLs for Protection of Groundwater Soil Screening Levels**



# Applicability

≠ Domestic Wastewater

≠ Biosolids (Domestic Sludge)

≠ Concentrated Animal Feeding Operations

- ✓ **Industrial Wastewater / Treatment Residuals**
  - **Land Application (Land Treatment)**
  - **Irrigation**
  - **Dust Suppression**

# Get Involved



[HTTPS://DNR.MO.GOV/WATER/  
BUSINESS-INDUSTRY-OTHER-  
ENTITIES/TECHNICAL-  
ASSISTANCE-GUIDANCE/LAND-  
APPLICATION-WASTEWATER](https://dnr.mo.gov/water/business-industry-other-entities/technical-assistance-guidance/land-application-wastewater)

**NEXT MEETING  
AUGUST 14, 2024**



# Meat Processors

- Federal Regulation
- Antidegradation
- Water Quality
  
- Retrofit?
- Wastewater volume

# Other Lessons Learned

- Innovative Technology
- Technology Based Effluent Limitations
- Including Land Application Fields
- Impaired Waters
- Enforcement Discretion





# Compliance Monitoring

**Everyone is watching!**



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