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Animal Feeding Operations



MDNR Communication Strategies

Ashley Grupe, Operating Permits Section

Webpages

- Sites of Interest

Water-related Sites of Interest

Allen Acres Wastewater Treatment Facility

American Foods Development Co. LLC

Baynham Branch Reservoir

Denali Water Solutions LLC

HydroAg Environmental LLC

Missouri Prime Beef Packers

Republic Foods

St. Charles Roadway Construction

Southwest Missouri Concentrated Animal Feeding Operation (CAFO) Facilities

Synagro Inc.



Webpages

- Sites of Interest
- Land Application

Water-related Sites of Interest

Allen Acres Wastewater Treatment Facility

American Foods Development Co. LLC

Bayham Branch Reservoir



Land Application of Wastewater and Wastewater Treatment Residuals

Land application of wastewater and wastewater treatment residuals involves spreading, injecting or incorporating the wastewater and residuals into the soil. When managed correctly, organic byproducts from wastewater and wastewater treatment residuals associated with food production may have agronomic value as fertilizers and soil amendments, with minimal contaminants. Land application is an excellent way to recycle wastewater and wastewater residuals as long as the material is quality-controlled.

The Missouri Department of Natural Resources allows organic byproducts from wastewater and wastewater management to be used in agricultural applications, similar to traditional, commercially available fertilizers and products. Fertilizers are regularly used on agricultural fields to promote growth and crop production. Fertilizers add vital nutrients to the soil, including nitrogen, phosphorus, potassium, calcium, magnesium, sulfur, boron, chlorine, cobalt, copper, iron, manganese, molybdenum, sodium and zinc. By using wastewater and wastewater treatment residuals, it removes the nutrients from these materials, reduces energy consumption, reduces pollution from manufacturing commercial chemical fertilizers and saves landfill space. Benefits of proper land application of wastewater and wastewater treatment residuals includes the following:

1. Ensures nutrient management through agricultural practices
2. Establishes practices to avoid exceeding hydraulic (water) loading rates and runoff
3. Prohibits application of pollutants not mitigated through the agricultural management (e.g. metals)



Webpages

- [Sites of Interest](#)
- [Land Application](#)
- [CAFOs](#)

Water-related Sites of Interest

Land Application of Wastewater and Wastewater Treatment Residuals

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The Missouri Department of Natural Resources allows organic byproducts from wastewater and wastewater management to be used in agricultural applications, similar to traditional, commercially



Current New or Expanded Concentrated Animal Feeding Operation (CAFO) Facility Applications

12/6/2024	Como Poultry LLC	Newton	New Permit-GS10662	Application Withdrawn	
12/16/2024	Flagship Farms	Lafayette	Expanded-GS10117	Issued	MOGS10117
1/30/2025	Peng Hlei Thang	Lawrence	New Permit-GS10663	Issued	MOGS10663
1/31/2025	Blak Hmung Lian and Dawt Tin Cui	Newton	Expanded-GS10224	Issued	MOGS10224
2/3/2025	Rual Iap Farm	Lawrence	Expanded-GS10299	Application Withdrawn	
2/4/2025	Tluang Thawng	Newton	Expanded-GS10445	Issued	MOGS10445
2/6/2025	Grace Poultry LLC	Pettis	Expanded-GS10175	Draft	
2/13/2025	Sang Hu and Lang Hlei Par	Lawrence	New Permit-GS10666	Issued	MOGS10666
3/24/2025	Brad Haslag	Saline	Expanded-GS10167	Issued	MOGS10167
5/9/2025	Nelson Wenger	Cooper	New Permit-GS10668	Draft	
5/13/2025	Johnson County Egg Farm	Johnson	Expanded-MO0118877	Draft	
7/17/2025	Sang Bawi	Newton	New Permit-GS10670	Draft	



Animal Feeding Operations

Click on the image to access online locational data for NPDES Animal Feeding Operations.

Webpages

- [Sites of Interest](#)
- [Land Application](#)
- [CAFOs](#)
- [WQS Workgroup](#)

Water-related Sites of Interest

Land Application of Wastewater and Wastewater Treatment Residuals

Current New or Expanded Concentrated Animal Feeding Operation (CAFO) Facility Applications

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Water Quality Standards Workgroup

Upcoming Meetings

Past Meetings

Triennial Review

Resources

May 22, 2025 1:00 pm
Meeting
Lewis and Clark State
Office Building
Jefferson City, Missouri

Agenda

More Info:

[Video Recording - May 22, 2025](#)

Additional Materials:

[10 CSR 20-7.015 Effluent Regulations](#)

[10 CSR 20.7.031 Water Quality Standards](#)

[Impact Unclear Facilities as of March 2025](#)

[Insufficient Information as of March 2025](#)

[Substantial Impact Facilities as of March 2025](#)

[Wastewater Treatment Lagoons and Secondary Effluent Limits - PUBXXXX](#)

[Ammonia Discharger Specific Variance Application](#)

[Pre-Draft Rule Language 10 CSR 20-7.031 Water Quality Standards Presentation](#)

[Variance and Compliance Pathways Presentation](#)

[Applicability of 2013 Ammonia Criteria in MUDD Water Bodies](#)

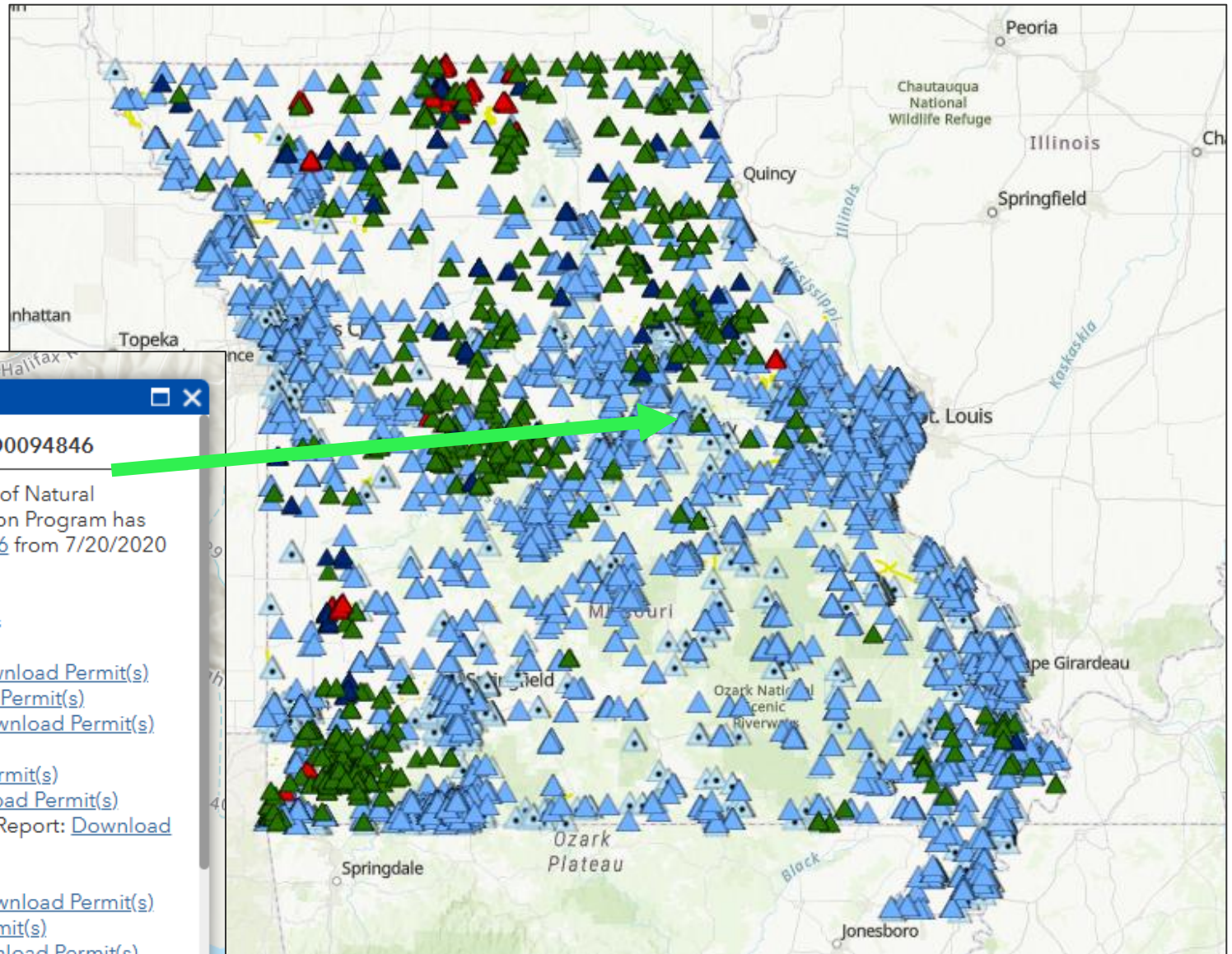
[Total Ammonia Nitrogen Permit Implementation Guidance](#)

[Permit Implementation for Ammonia Presentation](#)

[Draft Application for Ammonia Discharger Specific Variance](#)

Public MapViewers

- MAPiT



Jefferson City RWRP : MO0094846

The Missouri Department of Natural Resources' Water Protection Program has issued permit [MO0094846](#) from 7/20/2020 to 3/30/2025 (Expired)

outfall: 001/2 total outfalls

Annual Pretreatment: [Download Permit\(s\)](#)

Area Wide LD: [Download Permit\(s\)](#)

CAFO Annual Report: [Download Permit\(s\)](#)

Chapter 9 Operational

Monitoring: [Download Permit\(s\)](#)

Corrective Action: [Download Permit\(s\)](#)

Daily/Weekly Monitoring Report: [Download Permit\(s\)](#)

DMR: [Download Permit\(s\)](#)

Inflow and Infiltration: [Download Permit\(s\)](#)

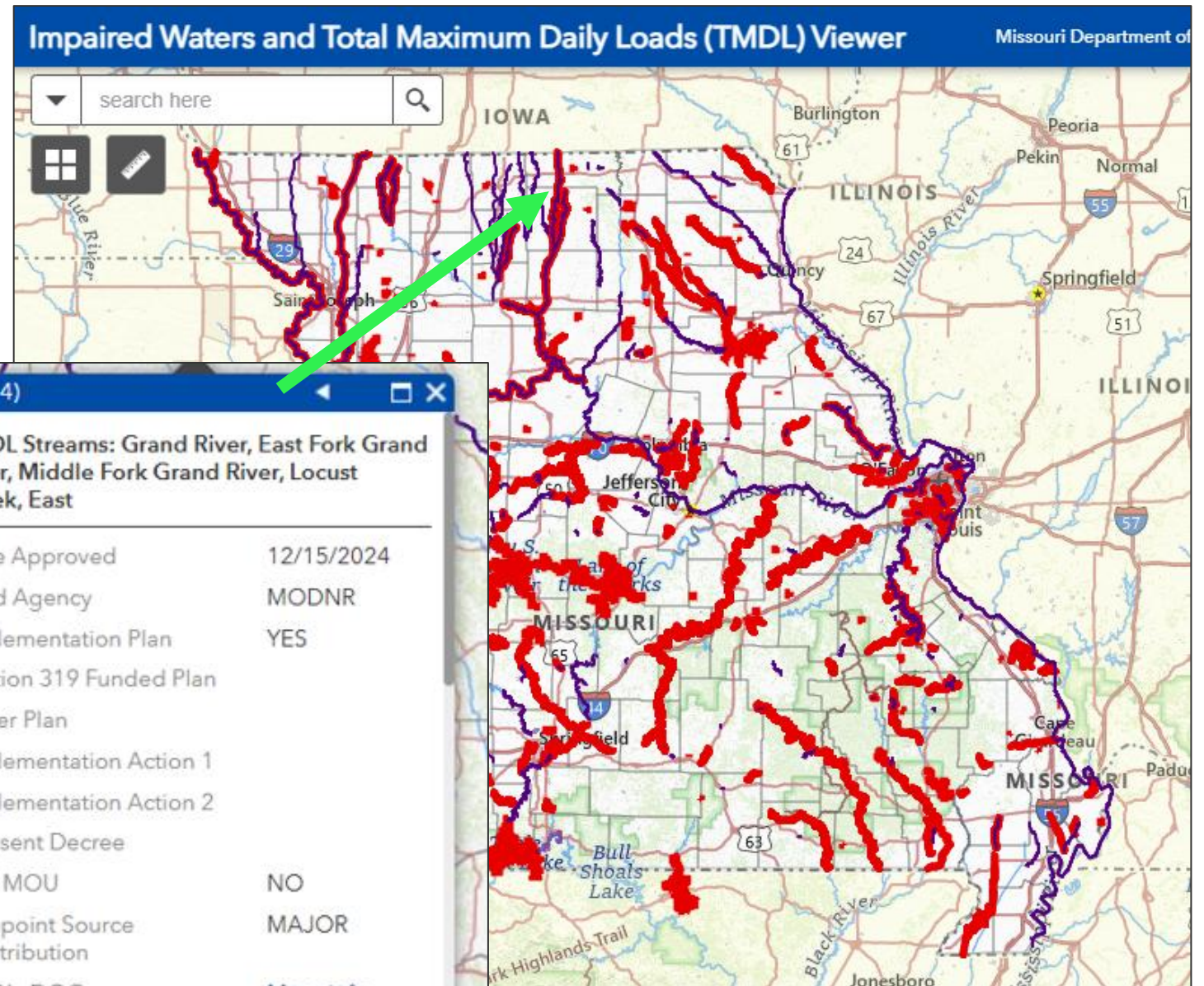
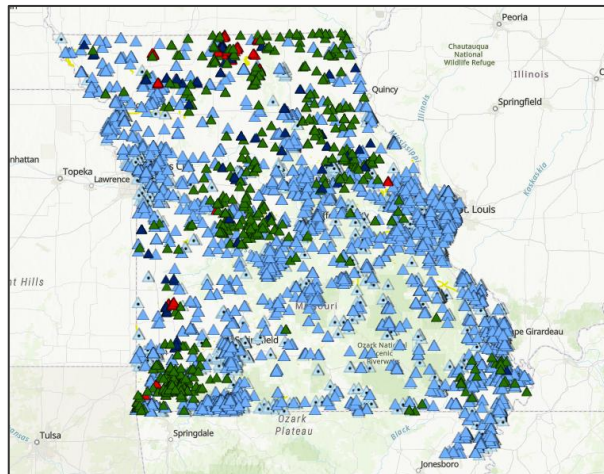
Lab Sheet: [Download Permit\(s\)](#)

Miscellaneous Data: [Download Permit\(s\)](#)

[Zoom to](#)

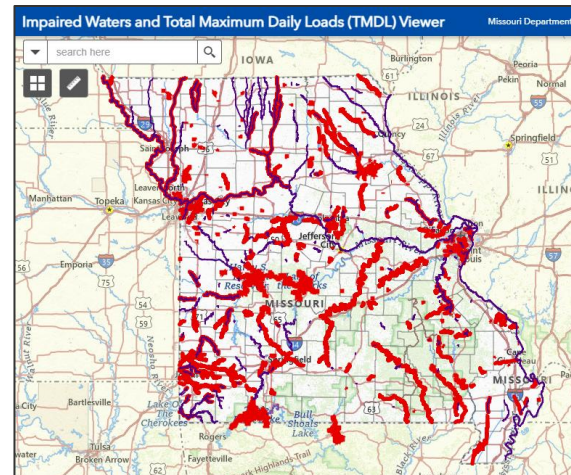
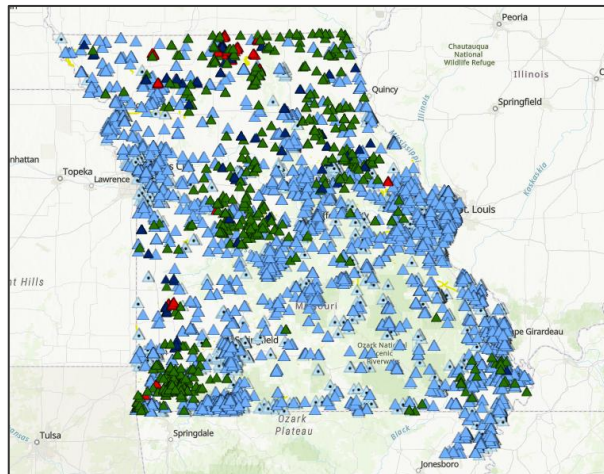
Public MapViewers

- [MAPiT](#)
- [TMDL](#)



Public MapViewers

- [MAPiT](#)
- [TMDL](#)
- [GeoSTRAT](#)



- ☐ TDS - Pleasanton and Marmaton Aquifer
- ☐ TDS - Saint Francis Aquifer
- ☐ Losing and Gaining Streams
- ☐ Springs
- ☐ Cave Density
- ☐ Sinkhole (Points)
- ☐ Sinkhole (Area)
- ☐ Dye Injection Points
- ☐ Dye Recovery Points
- ☐ Dye Paths
- ☐ Inventory of Mines, Occurrences and Prospects
- ☐ Abandoned Mine Lands Projects (Area)
- ☐ Industrial Mineral Mines
- ☐ Metallic Mineral Waste Management Areas
- ☐ Alluvium
- ☐ Surficial Geology
- ☐ Drill Areas

Other Communications

- Public Hearings/Meetings
 - Formal hearing + Q&A

Water-related Sites of Interest

Allen Acres Wastewater Treatment Facility 9/18/25
American Foods Development Co. LLC 5/21/24 (v), 5/30/24
Baynham Branch Reservoir Fall 2025
Denali Water Solutions LLC
HydroAg Environmental LLC
Missouri Prime Beef Packers Spring 2026
Republic Foods
St. Charles Roadway Construction Fall 2025
Southwest Missouri Concentrated Animal Feeding Operation (CAFO) Facilities 5/29/25
Synagro Inc.



social media



Thanks!

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