



MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

REGFORM

July 30, 2026

The StORM Has Passed StORM and Standard Conditions IV

Where are We Now?

Cody Kimbell & Logan Head

Operating Permits Section

Water Protection Program

Oil and Water – Regs vs Guidance

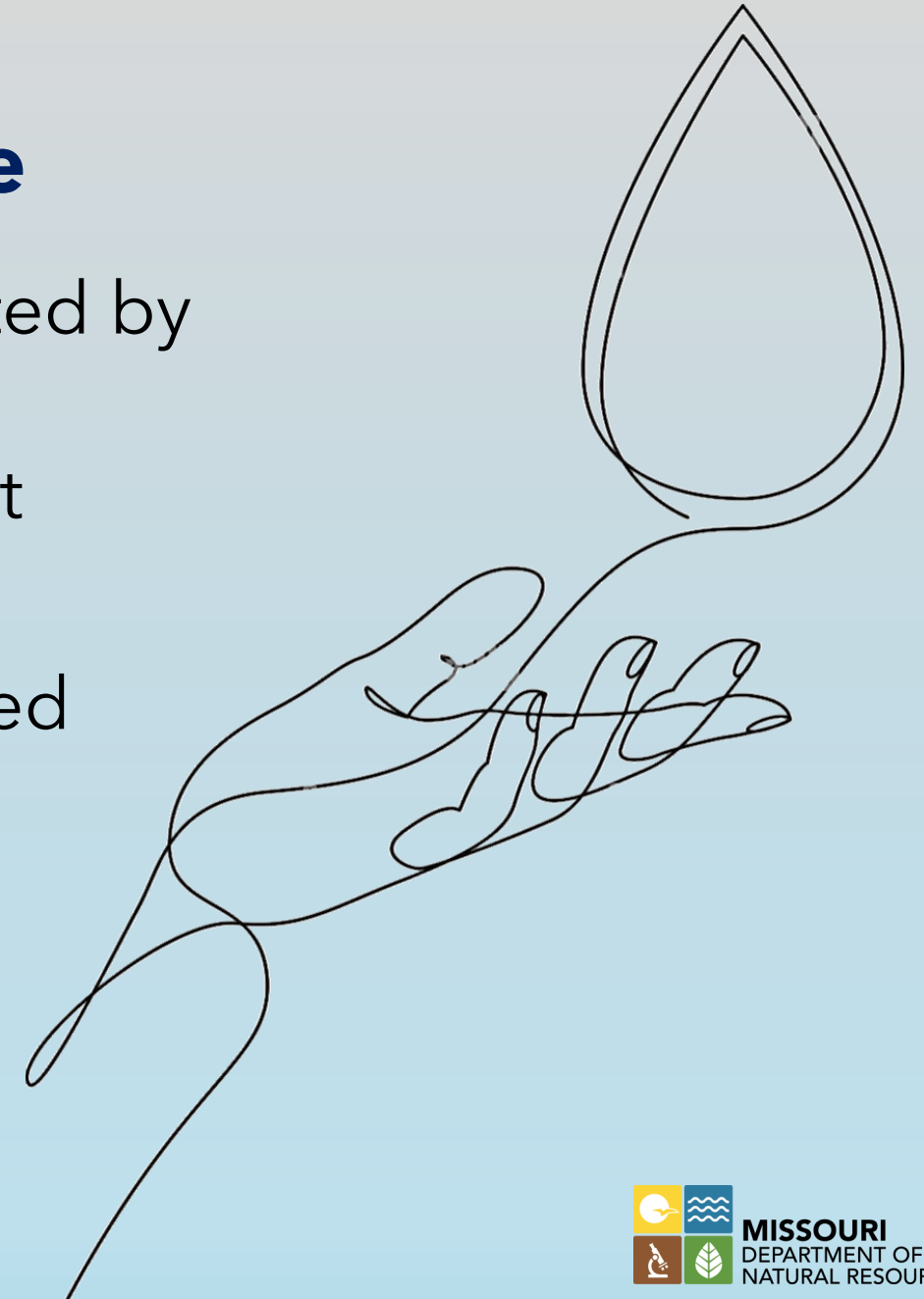
- All in-one document originally requested by industry
- StORM developed to meet this request

Concerns/Confusion?

- Difficulties separating what was required and what was guidance

Solution?

- Split the StORM into two documents
- StORM & Standard Conditions IV



Changes in Practice

- StORM is no longer going to be incorporated into permits.
- Standard Conditions will be incorporated instead
- Permit length will be reduced





StORM - Where Are We Now?

- New version focusing on guidance only
- Actively being updated
- Will be finalized AFTER Standard Conditions IV
- Will consider public comments and stakeholder feedback

STORMWATER OPERATIONS RESOURCE MANUAL



Guidance for Industrial Facility
Stormwater Pollution Prevention Plan
Development



Missouri Department of Natural Resources
Month–Day–2025

**Then - Held both
guidance and regulatory
requirements.**

**Now - Holds only
guidance, regulatory
requirements found in
Standard Conditions IV.**

STORMWATER OPERATIONS RESOURCE MANUAL (StORM)

Guidance for Industrial Facility
Stormwater Pollution Prevention Plan
Development



StORM - Focus on Helping Permittees

- Key elements of previous version retained
- Things like:
 - Activity and BMP examples
 - Mapping Information
 - Good housekeeping measures

Industry	Activity	Pollutant(s)	BMPs/ SCMs Examples
Lumber production	Sawing and treating lumber	Sawdust, wood treating chemicals, leachate	Settling basins, check dams, berms, sweeping, product control
Non-Metallic Mineral Mining / non-metallic minerals: limestone, clay, sand	Mining, quarries, concrete, glass and asphalt production	Fines, sediment, material loss, pH	Track-out control, berms, settling basins, sweeping, vehicle washdown, dust suppression, inspections
Concrete ready-mix plant	Storage, missing, cleanout of product	Stockpiles, cement dust	Berms, settling basins, swales, product control
Chemical and Allied Products Manufacturing	Chemical manufacturing, loading, unloading, storage	Surfactants, nutrients, paints, oil and grease	Impact prevention for chemical storage structures, spill kits, loading/unloading under roofed structures
Transportation and warehousing	Vehicles, fueling, leaking, wearing of parts, maintenance	Petroleum, metals, rubber, fluids, chloride, oil and grease	Oil water separators, secondary containment, berms, swales, drip pans, covering salt piles and materials, training
Automobile salvage yards and scrap metal recycling	Motor vehicle and metal recycling, processing, and storage	Oil, grease, petroleum, fluids, metal fines, rust, debris and trash	Secondary containment, collecting fluids, coverings, settling basins, oil water separators, removing trash or scrap, quarterly visual assessments
Fabricated Metal Products	Metal fabrication, cutting, galvanizing, painting	Metal fines, storage, rust, cutting fluids, oil and grease	Cut and store metal under roof, maintain equipment, vegetated filter strips, sediment basins
Rubber, plastic products manufacturing	Plastic and rubber producers, molders, and recyclers	Plastic particles, chemicals, metals, ammonia	Sweeping loading/ unloading areas, and waste collection areas, inlet filters, settling basins, vegetated buffers
Biodiesel Manufacturing	Biodiesel production and transfer for transportation	Production process chemicals, petroleum, cleaning residuals	Secondary containment, spill kits, inlet protection, Spill Control and Countermeasure Plans
Solid Waste Transfer	Waste transfer, vehicles	Blown garbage, leachate, leaked oil	Cover transfer areas, sweep and pick-up debris regularly, perimeter controls

SWPPP Checklist

At a minimum, your SWPPP should contain the elements below to meet requirements outlined in Standard Conditions IV. However, each facility is unique, and the needs of your facility should be reflected in the SWPPP.

- ☒ **Facility Information** including facility name, facility address, Missouri State Operating Permit Number, facility phone numbers, facility email addresses, preferred facility contacts, description of industrial activities at the site
- ☒ **List of contaminants** found at the site, their sources, and BMPs used to control them and to prevent their introduction into stormwater
- ☒ **Location and sources of run-on** from adjacent facilities that may contain significant quantities of pollutants
- ☒ **Provision for training** of supervisory personnel who oversee the team responsible for material handling and storage as well as housekeeping of areas with materials exposed to stormwater
- ☒ **Maps of the facility** that show property boundaries, impervious surfaces, permitted features, outfalls, structural BMPs, surface waters of the state on or adjacent to the site, geo/topo-graphic features, stormwater conveyances, processing equipment that is stored outside, vehicle maintenance/fueling areas,
- ☒ **Inspection reports** from at least the past 3 years
- ☒ **Laboratory results** from all collected and/or analyzed samples from at least the past 3 years
- ☒ **Reports of actions taken to correct deficiencies** of BMPs, which may include photographs

Checking In, New Additions

- New helpful guidance added
- Things like:
 - SWPPP Checklist
 - Maintenance and fueling area sections
 - Soil loss prevention and response
- Have any ideas?
- What do YOU think will help?
- Let us know, there's still time to include more

Standard Conditions IV – Stormwater Requirements

- Will be incorporated into permits replacing standard stormwater requirement
- Goal of reducing permit length and provide consistency across permits

Public Notice: (45 Day)

Begin - July 16, 2026

Ends - August 30, 2026

To Comment:

<https://dnr.mo.gov/calendar/event/308276>

**STANDARD CONDITIONS FOR NPDES PERMITS
ISSUED BY
THE MISSOURI DEPARTMENT OF NATURAL RESOURCES
MISSOURI CLEAN WATER COMMISSION**

DATE

Part IV – Stormwater Requirements



What Dose SC IV Include?

- Stormwater Pollution Prevention Plan (SWPPP) Requirement
- Statewide Best Management Practices
- Facility Management Requirements
- Secondary Containment
- Inspections, Monitoring, and Sampling



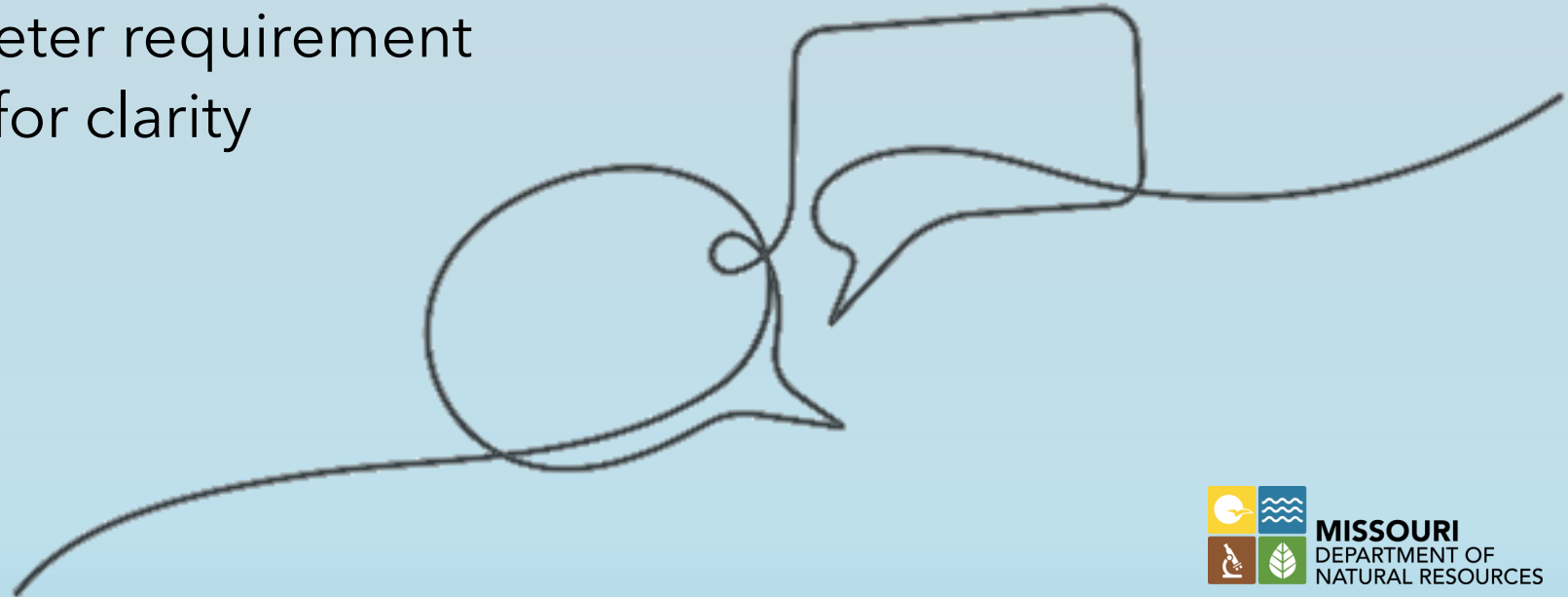
What Dose SC IV NOT Include?

- Inspection Frequency
- Industry Specific Best Management Practices
- Design Standards
- Anything Unique to Specific Industries



Industry Feedback to Date

- Example of comments received:
 - Inspections of entire site perimeter may be overly burdensome for large sites (some being hundreds of acres)
 - Winter weather (salt) language unclear
- How were these addressed:
 - Removed the perimeter requirement
 - Language updated for clarity



Permit/Standard Conditions Overlap

- Some conditions may be in both SC IV and the Permit
- Track-out
 - A primary concern for some industries
- SWPPP Requirement
 - Necessity of the SWPPP in permit
 - SWPPP requirements in SC IV
- Secondary Containment
 - Brief requirement in permit
 - Details in SC IV



SC IV In action: MO-AP General Permit

- New permit covering asphalt related products
- Approximately 80 facilities
- Majority of facilities are stormwater only
- The first set of permits where SC IV will be incorporated



Permit Complexity

- Length
 - Shortened length by 6 pages (vs MO-G49)
- Conditions
 - Removed conditions not specific to asphalt
 - Organized similar conditions
 - Removed conditions outside our authority

MO-G490000

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MO-AP000000

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Includes Table of Contents Page

Impacts from Standard Conditions IV

- Permit length reduction (1.5-2 pages)
- Standard requirements moved to SC IV
- Industry specific requirements retained in permit
- All SWPPP Conditions maintained in one location



Retained Requirements - Examples

- Inspections and inspection frequency
- Design standards
- Track-out
- Vehicle washing
- Use of additives



5. Industry Specific Inspection and Stormwater Requirements:

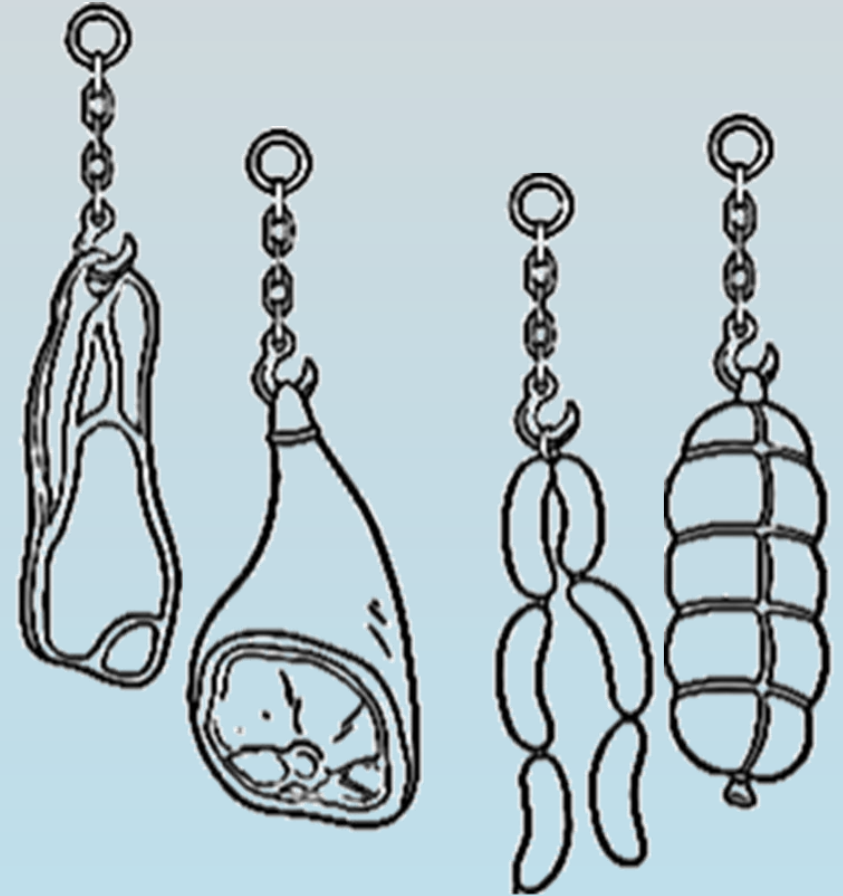
(a) *Monthly Inspections:*

A schedule for monthly site inspections and a brief written report, which includes the name of the inspector, the inspector, and the date. The inspection must include observations and analysis of Best Management Practices, Stormwater Control Measure (SCM) effectiveness, deficiencies, and corrective action to be taken, as well as the integrity of oil containment structure(s), including but not limited to, aboveground storage tanks, secondary containment, and external piping. The inspection report must consist of the minimum applicable requirements found in Standard Conditions Part IV.

- Where other federal and state environmental program requirements (e.g. SPCC) require inspections that meet or exceed our inspection requirements, a facility may utilize that inspection report to meet our permitting requirements so long as said report is maintained with the SWPPP.
- The inspection report must consist of the minimum applicable requirements found in Standard Conditions Part IV

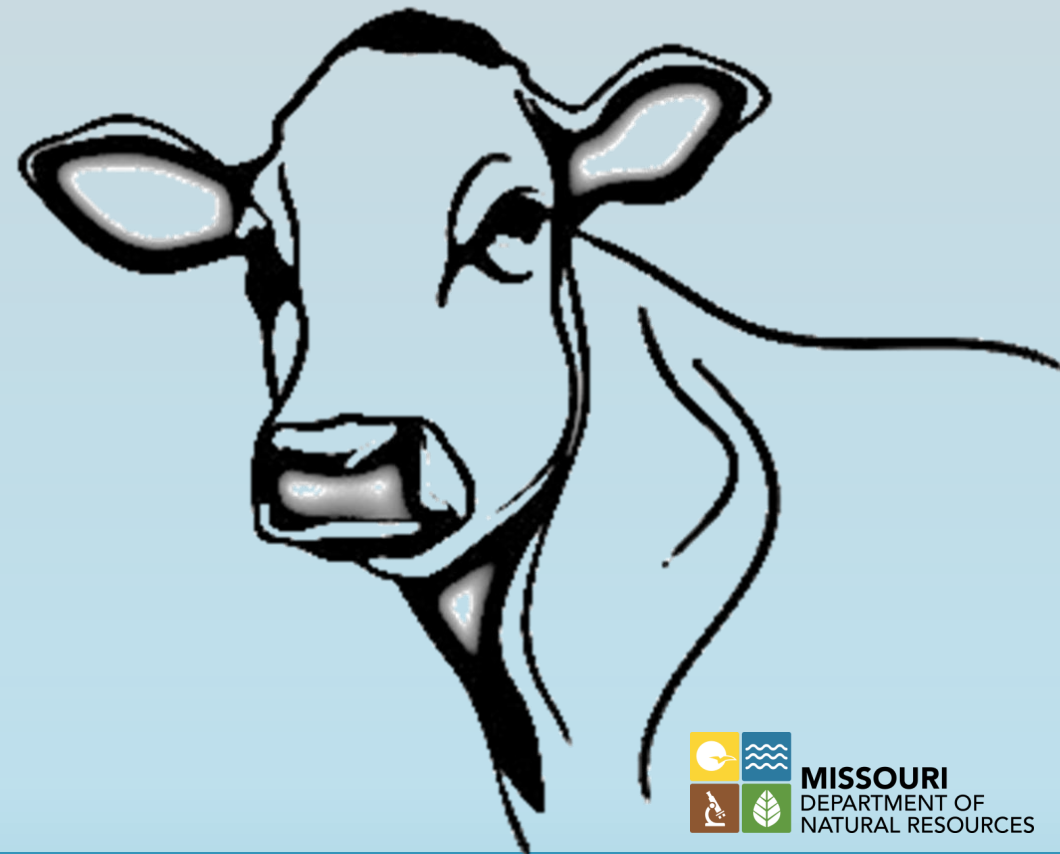
SC IV In action: MO-G22 General Permit

- General permit for Small Meat Processors
- Covers approximately 120 facilities
- Only around 20 facilities have stormwater requirements
- Longest General Permit (30 Pages)
- SC IV will help reduce length dramatically for this permit



Impacts from Standard Conditions IV

- Current Stormwater Section (Subdivisions E-G) 8 pages
 - General Stormwater
 - Animal Transfer Stormwater
 - Animal Holding Area Stormwater
- Impact from SC IV
 - Expected page reduction~5-6 pages
 - Reduce repetitive language
 - Improve legibility



Retained Requirements - Examples

- Best management practices for animal waste
 - Primarily based on transfer and holding areas
 - Manure/Litter management
 - Manure Stockpiling requirements
- Sector specific benchmarks
 - *E. coli*
 - Biological Oxygen Demand
 - Nutrients



Conclusion

- Standard Conditions IV is replacing the StORM for permitting.
- StORM will remain but be guidance/help only.
- Implementing SC IV will reduce permit length and help focus on industry specific requirements.

Questions?

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