



MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

Industrial Permitting

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Industrial Permits Unit

- Power Plants
- Quarries/Mines
- Landfills/ Recycling
- Airports
- Agricultural Chemicals
- Pharmaceutical
- Laboratories
- Manufacturing
- Food Processing
- Land Application
- Concentrated Animal Feeding Operations

Site specific limits and conditions

- Template does not cover details of all sites
- Varied sites – Each unique
- Placeholders – Special Conditions
- Fact Sheets explain permit
- Public Notice for comments
- Respond to all comments

Continuing Authority (CA)

- Individuals
- Government (County, City, State, Federal)
- Business
 - Must match Secretary of State listing *exactly*
 - Will not issue without valid CA
 - Must have registered agent in Missouri

Anti-degradation / Anti-backsliding

- Clarity
 - Limits based on anti-deg / engineering designs
- Transparency
- History through permits
 - Cannot backslide on anti-degradation limits
 - Must note limits based on anti-deg

Industrial Effluent Guidelines

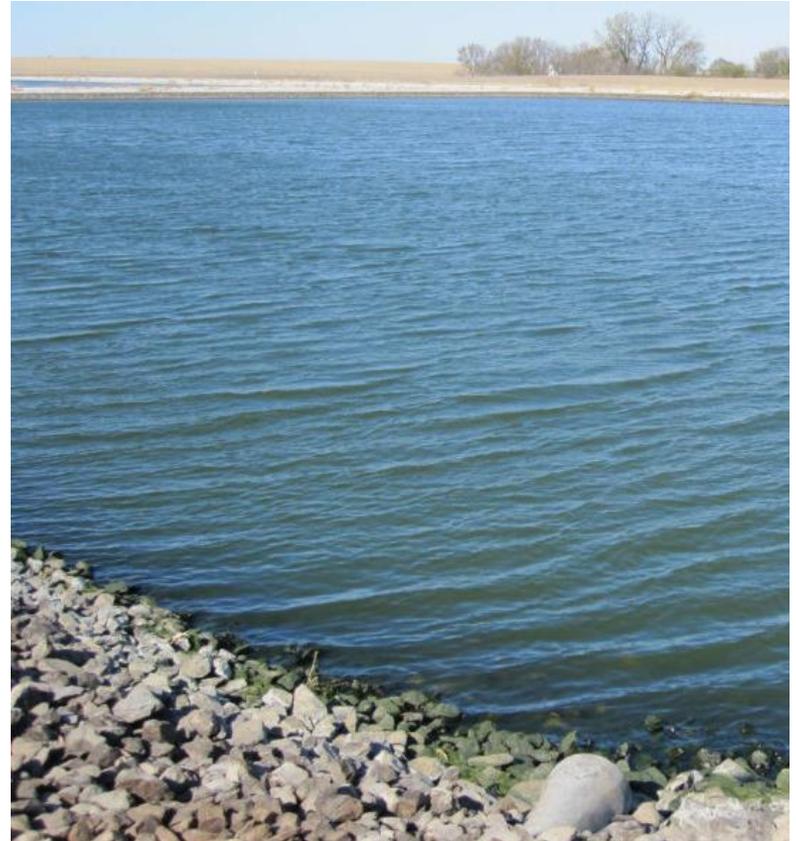
- Federal Regulations
- Industry Specific
- Technology-based limits
- May be tied to production at facility
- Limits must be incorporated into permit

Other considerations

- Groundwater protection
- Temperature
- General Criteria
- Underground Injection Control (UIC)
- WET Testing – when there is potential for effluent to cause toxicity in receiving waters

Lagoons/Basins

- No-discharge basin
- Emergency discharge only (“no-discharge”)
- Discharging basins
- Stormwater or Wastewater



Stormwater

- Facility type / SIC code
- Benchmarks
- Stormwater Pollution Prevention Plan (SWPPP)
- EPA guidance document
- Site-specific

Nutrient Monitoring

- Hypoxia Task Force
 - Nutrient Sources identified
 - SIC codes and relevant nutrients
- Monitoring in future permits
 - Monthly or Quarterly
- Limits when appropriate

Domestic Waste

- Wasn't included in most industrial permits
- Disposal now included in all permits
- If discharging, may include limits and conditions



Industrial Land Application

- Removed from Standard Conditions III
- Agriculture vs. Disposal/Land Treatment
 - Stormwater exemption
- Loading Rates
 - Hydraulic
 - Nutrient
 - Pollutant

Industrial Land App Practices

- Limiting Concentrations
 - 40 CFR 503 for metals
 - Everything else?
- Focus on land application practices
- Ensure agriculture only
- Must grow crops/pasture/hay
- Prevent industrial wastewater runoff
- May eliminate runoff sampling at fields

Fertilizer Exemption



Missouri
FERTILIZER CONTROL
BOARD

- Fertilizer License/Permit issued by the Fertilizer Board
- Apply for permit exemption
- Include sampling
- Must provide reports as required by the Department - 10 CSR 20-6.015

Fertilizer Exemption

- A substance used to make soil more fertile
- Agricultural purposes
- Must be used to grow crops/pasture/hay
- Applied at agronomic rates
- Do not over-apply