



**SCS ENGINEERS**

## **Introduction: Waste Permit Applications**

You have trash.  
What are you doing with it?

Presented by:  
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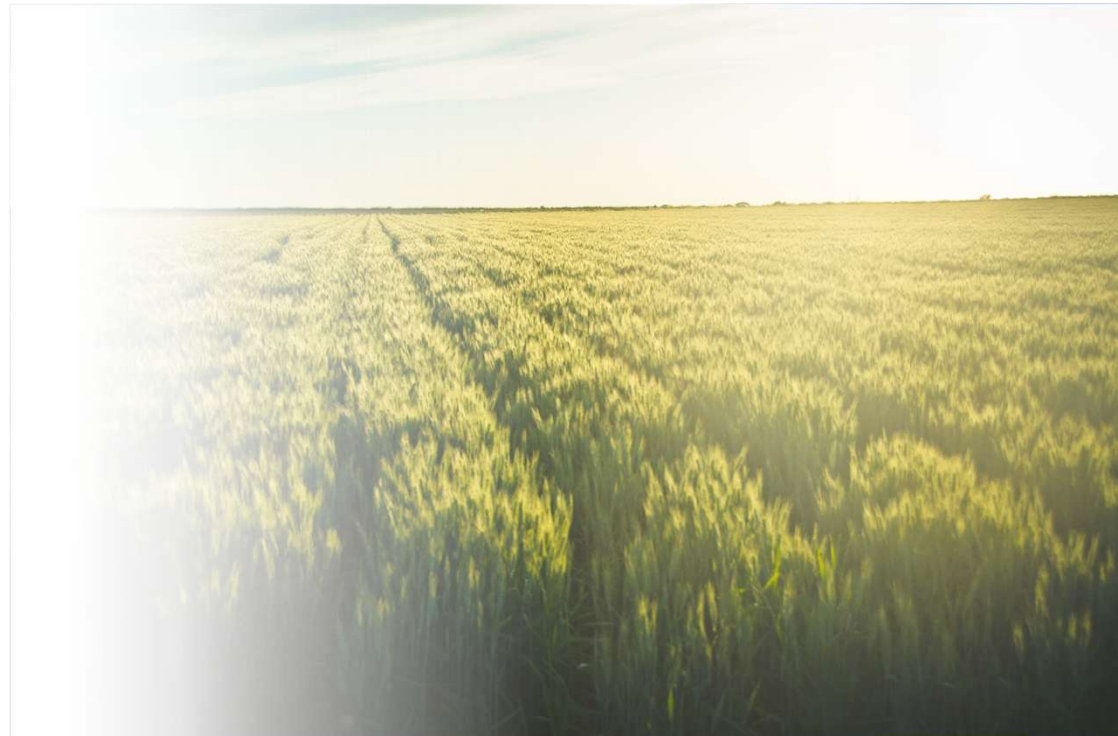
## What to do with Unwanted Materials?

- Characterization needed
  - Solid Waste
  - Liquid Waste or sludge
  - Hazardous waste
- Characterization Methods
  - Analytical Data
  - Manufacturer Documentation / Safety Data Sheets (SDS)
  - Knowledge of Process
- Danna Ashley, P.E. will cover this more next
  
- Our topic is permitting the treatment, storage, and disposal of your waste

# Disposal Options

## Liquid & Sludges

- Land Application
  - OWQ permit needed, so tomorrow
- Injection Wells
  - OWQ permit needed, so tomorrow
- Solidification
  - OLR permit needed if hazardous waste
- Incineration
  - OLR permit needed if hazardous waste
  - OAQ permit needed always





## Disposal Options

### Solid Waste (Non-Hazardous)

- OLR Permit needed under APC&EC Rule 22
  - Composting
  - Recovering recyclable materials
  - Collect & Transfer to an existing landfill
  - Landfill
    - For who?
    - What stuff?
      - Bulky & inert (non-putrescent)
      - Industrial wastes
      - Tires
      - General Household
- <https://www.adeq.state.ar.us/sw/permits/individual.aspx>



# Disposal Options

## Hazardous Waste

- OLR Permit needed under APC&EC Rule 23
  - Commonly called RCRA Permits (Resource Conservation and Recovery Act)
- Treatment
- Storage
- Disposal
  - Landfill
  - Incineration
  - Other treatment (get creative!)

• <https://www.adeg.state.ar.us/hazwaste/technical/permits/process.aspx>

# Pre-Permit Requirements

## Solid & Hazardous Waste

- Site Selection / Separation Distances
  - Surface water, Wetlands, & Flood plains
  - Groundwater
  - Geotechnical
  - Residences
  - Threatened/Endangered Species
  - Airports
  - Special geologic features
  - Environmental due diligence
- Notifications
  - Surrounding landowners
  - Local Government
- Recommendation – Start conversation with DEQ-OLR early

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The screenshot shows the website for the Arkansas Department of Energy & Environment, specifically the Hazardous Waste section. The header includes the department's logo and name, along with navigation links for Home, Online Services, Offices, Inspectors, Licensing, Permits, Rules, and Contact Us. The main content area features a sidebar with links to the Office of Land Resources, Hazardous Waste, Compliance Inspections, Programs, Technical, and Mayflower Oil Spill. The main content area displays a news article titled "What's New with Hazardous Waste?" with a sub-header and a paragraph of text. The article text reads: "In an effort to better communicate with our regulated community about rule changes such as the Hazardous Waste Generator Improvements Rule <https://www.epa.gov/hwgenerators/final-rule-hazardous-waste-generator-improvements>, the Division of Environmental Quality's Office

# Application Process

## APC&EC Rule 22 - Solid Waste

- Local Approvals
- Pre-Application
- Application
- Draft Permit Decision & Public Notice
- Final Permit Decision
- Appeals Period

[https://www.adeg.state.ar.us/sw/permits/pdfs/steps\\_for\\_obtaining\\_a\\_landfill\\_permit\\_handout.pdf](https://www.adeg.state.ar.us/sw/permits/pdfs/steps_for_obtaining_a_landfill_permit_handout.pdf)

## APC&EC Rule 23 – Hazardous Waste

- Application
  - Part A
  - Part B
- Draft Permit Decision & Public Notice
- Final Permit Decision
- Appeals Period

<https://www.adeg.state.ar.us/hazwaste/technical/permits/>

# Solid Waste Application Process

## Pre-Application

- Local Government Approvals
  - City &/or County for Host community approval
  - Regional Solid Waste District for Certificate of Need (CON)
  - Public notice & possibly public meeting
- Submit Pre-Application packet to DEQ-OLR
  - SEEK (<https://seek.ee.arkansas.gov/ext/ncore/external/home>)
  - ePortal (<https://eportal.adeg.state.ar.us/>)
- Pre-Application includes
  - Site Name
  - Physical Address
  - Mailing Address
  - Latitude Longitude coordinates
  - Operator Name & Address
  - Owner Name & Address
  - Site contact
- Local approvals
  - CON
  - Zoning & Land use
  - Host community approval
- Initial Site Selection documentation
  - Surface water, Geotechnical, Geology, & Residences
  - Right of Entry
  - Road capacity
- Pay Pre-Application Fee: No Fee to \$2,000
- Pre-Application Public Notice
  - In Largest circulated local paper
  - Location, time, and date of public meeting
  - DEQ's preliminary site investigation



# Solid Waste Application Process

## Application

- Full Site Selection
  - Surface water, Wetlands, & Floodplains, Groundwater, Geotechnical, Residences, Threatened/Endangered Species, Airports, Archeology, & Geology
  - Include responses from respective agencies
- Detailed plans and specifications
- Operating plans
- Monitoring and reporting plans
- Closure & Post-Closure Plan
  - Closure procedures
  - Verification testing
  - Monitoring & maintenance procedures and schedule (post-closure only)
  - Cost Estimate for facility and each unit
  - Financial Assurance Mechanism
- Pay Application Fee: \$900 to \$10K
- Respond to Administrative Notice Of Deficiencies (NODs), if any
- Receive Administrative Complete notification
- Respond to Technical NODs
- Receive Technical Complete & upcoming public notice notification
- DEQ issues Public Notice

# Solid Waste Application Process

## Public Notice & Permit Issuance

- DEQ issues Public Notice
  - Includes 30-day public comment period
  - Final Permit Application and Draft Permit location
    - Near facility & open to public
  - If Public Hearing requested & Granted,
    - Additional Public Notice
    - Extend comment period by additional 30-days
    - Location, date, & time of Public hearing
  - All at Facility's expense
- DEQ will review & respond to any comments received
  - Final Permit Decision
  - Signed Issued Permit
  - Permit Effective Date
  - Permit Expiration Date
  - Permit
- Appeals Period
  - Open for 30-days after Effective Date
  - Hearing in front of APC&E

# Hazardous Waste Application Process

## Application – Part A

- Submit application packet to DEQ-OLR
  - Paper form required
  - Include an electronic copy is helpful (disc, usb drive, or link)
  - Pay Application Fee: \$10K to \$100K
- Part A Application
  - Site Name
  - Physical Address
  - Mailing Address
  - Latitude Longitude coordinates
  - Operator Name & Address
  - Owner Name & Address
- Part A Application (cont.)
  - Site contact
  - Process Codes & Quantities
  - Waste Codes
  - Site Location Map on USGS Topographic Quadrangle
  - Site Property Map
  - Disclosure Information Form
  - Notification to adjoining property owners

# Hazardous Waste Application Process

## Application – Part B (everything else)

- Part B Application
  - Documentation of site selection
  - Site Layout
  - Waste acceptance procedures
    - Analysis required
    - Manifests
    - Screening process
  - Details on Units
    - Capacity
    - Operating procedures
    - Wastes processed
- Part B Application (cont.)
  - Engineering Drawings
  - Contingency Plan
  - Training Plan
  - Closure & Post-Closure Plan
    - Closure procedures
    - Verification testing
    - Monitoring & maintenance procedures and schedule (post-closure only)
    - Cost Estimate for facility and each unit
    - Financial Assurance Mechanism
  - Additional agency requirements

# Hazardous Waste Application Process

## Application Review Process

- Administrative Review
  - Respond to Administrative Notice Of Deficiencies (NODs), if any
  - Receive Administrative Complete notification
- Technical Review
  - Respond to Technical NODs
    - Expect 1 or 2 rounds of these
- Receive Technically Complete notice & upcoming public notice notification



# Hazardous Waste Application Process

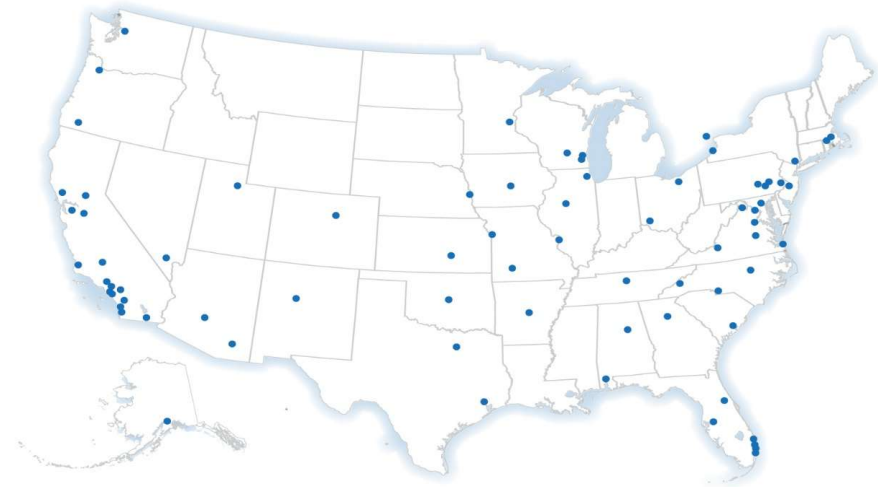
## Public Notice & Permit Issuance

- DEQ issues Public Notice
  - Includes 45-day public comment period
  - Final Permit Application and Draft Permit location
    - Near facility & open to public
  - Location, date, & time of Public hearing
  - All at Facility's expense
- DEQ will review & respond to any comments received
  - Final Permit Decision
  - Signed Issued Permit
  - Permit Effective Date
  - Permit Expiration Date
  - Permit
- Appeals Period
  - Open for 30-days after Effective Date
  - Hearing in front of APC&E

# Questions?

- Contact Information

- Ben Reynolds, PE with SCS Engineers
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- [breyolds@scsengineers.com](mailto:breyolds@scsengineers.com)



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## SCS ENGINEERS

**1970**  
Established

**1,300+**  
Employees

**ESOP**  
Employee Owned

**50+**  
Years Experience  
of Project Team