State of the Solid Waste Program

David Snapp, Materials Management Unit, Jerry Henderson, Permitting Unit
Ed Smith, Compliance Assurance Unit

Solid Waste and Material Management Unit Overview

- Organizational Structure
- Broad range of facility types
- Provide regulatory oversight to roughly 500 solid waste disposal sites in Colorado

Materials Management Unit

- Wolf Kray - Recycling
- Beneficial Use – Starting Oct. 13
- Waste Tire Workleader – Soon
- Shana Baker – Waste Tires and Waste Grease
- Anna Rice – Waste Tires and Waste Grease
- Cindy Smith – Waste Tires
- Lisa Jeffrey – Waste Tire (fees)
- Brian Gaboriau – Waste Tire Grants Administrator and Market Development
Recent MM Activities

- Asphalt shingles ≠ recyclable material
- Compost Regulation revision
  - [https://www.colorado.gov/pacific/cdphe/composting-stakeholder-process](https://www.colorado.gov/pacific/cdphe/composting-stakeholder-process)
- Training local governments on waste tire facility regulations
  - [https://www.colorado.gov/pacific/cdphe/wastetires](https://www.colorado.gov/pacific/cdphe/wastetires)
- Waste tire cleanup grants

Waste Tire Market Development

- Annual waste tire conference
- Tetra Tech Assistance
- End User Reimbursement
- Goal is to develop markets and cease reimbursements by January 1st, 2018

Permitting Unit

Denver Office
- Curt Stovall, Work Leader
- Heather Barbare
- Larry Bruskin (PT)
- Jace Driver
- Eric Jacobs
- Jill Parisi
- Andy Todd

Grand Junction Office
- Bob Peterson, Work Leader
- Miquette Gerber
Financial Assurance Reviews
Emily Everett, 303-692-3351
emily.everett@state.co.us
Emily reviews financial instrument / mechanism, and annual inflationary adjustments.
Permitter reviews new closure / post closure cost estimates (and five year updates).

Permitting Unit Goals
Issue Permits that are:
• Timely
• Clear and concise (i.e. permit conditions can be understood by all parties)
• Efficiently processed
• Protective of human health and the environment
• Consistent across similar sites
• Risk informed (i.e. the conditions included in the permit are reasonable and commensurate with the threat or risk posed by the waste and waste management practices at the facility)
Ensure that permitting decisions are data driven
For those things that we do, do them well.

Integrated Solid Waste and Materials Management Plan
Problem Statement:
• Assessed compliance status of rural landfills, particularly in Southeast Colorado
• Found majority to be out of compliance, lack resources to monitor potential impacts to groundwater
• Enforcement
  • Time consuming
  • Not solution oriented
  • Not partnering oriented
• WY study cast doubt on the notion that small unmonitored landfills pose little risk
Lessons from Wyoming

- Evaluated 114 MSW landfill systems
- 70% had deficient groundwater monitoring systems – 300 new wells installed ($2.24M)
- 76 MSW with well networks capable of detecting a release
- 90% (69 of 76) with contamination (45'-85' bgs) > GPS
- Corrective action needs:
  - 51 of 76 lfls - cap improvements plus additional monitoring
  - 18 of 76 lfls – active groundwater remediation
- Total cost for those 76: $164.4M/20 yrs
- Extrapolated cost estimate for 38 additional lfls - $62M/20 yrs
- 114 total – $226.4M/20 years

Integrated Solid Waste and Materials Management Study (con’t)

Solution

- Legislature approved additional spending authority of $220K in 2015 session
- Have independent contractor conduct a study of options to improve waste management statewide
- Must be completed by June 30, 2016

Purposes of the Study

- Identify opportunities to improve waste management in rural areas of the state
- Make recommendations for an integrated materials management system
- Compare costs to upgrade landfill versus other options (e.g. build C&D landfill, convert to transfer station)
- Communities use the information in the study to choose the most cost effective option to achieve compliance

Status of the Study

- RFP issued in August 2015
- Notice of intent to award issued in September 2015
- Presumptive Awardee: Burns and McDonnell
- Kickoff meeting with contractor scheduled for mid-October
- Meetings to be held in late 2015/early 2016 to gather stakeholder input on the study
Interim Regulatory Relief
- Compost sites whose classification could change under a revised Section 14
- Small rural landfills whose future plans could be affected by the Integrated Solid Waste and Materials Management Plan

Solid Waste Compliance Assurance
- Changing of the guard – Ed Smith, Unit Leader

Solid Waste Compliance Assurance
- Responsible for compliance with the Solid Waste Act and regulations

Inspection Priorities
- Routine inspection of permitted facilities
- Complaints of solid waste disposal
- Response to spills
Compliance Assurance Unit

- Jennifer Reynolds, Northcentral
- Brian Long, Asbestos/Central
- Doug Ikenberry, Northeast
- John O’Rourke, West Slope
- New Hire, Southeast
- Randy Perila, Paralegal
- Caren Johannes, Customer Technical Assistance

Enforcement Strategy

- Coordinate with local governments on inspections
- Locals can enforce terms of the Certificate of Designation
- Locals can independently enforce Solid Waste Act and Regulations and local codes

- Expectation of compliance
- Minor issues resolved through Compliance Advisory
- Significant issues may require formal enforcement
**Enforcement Strategy**
- Administrative penalties, $10,000 per day
- Solid Waste Penalty Policy
- Solid Waste Enforcement Response Police
- Can make referral for criminal investigation

**Why Take Enforcement?**
- Protection of human health and the environment
- Ensures a level playing field
- Eliminates economic advantage to non-compliant facilities

**Any Questions?**

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