

# **INTEGRATED SOLID WASTE MANAGEMENT PLANNING PROJECT SOUTHEAST WYOMING REGIONAL LANDFILL PLANNING GROUP**

## **SUMMARY OF THE JUNE 11, 2008 REGIONAL WORKING GROUP MEETING**

The following information is a general summary of the issues discussed at the June 11, 2008 meeting that was held at the Community Center in Pine Bluffs, WY. The meeting began at approximately 9:00 AM, and concluded at approximately 4:00 PM.

### **Attendees**

Tyler Bandemer, City of Laramie Solid Waste Department  
Rich Elliott, City of Laramie Public Works Department  
Bill Vance, ARK Regional Services  
Russ Hay, City of Burns Landfill Operations  
Dennis Pino, City of Cheyenne Sanitation Division  
Vicki Nemecek, City of Cheyenne Public Works Department  
Mike Abel, City of Cheyenne Public Works Department  
Jeff Fanning, City of Cheyenne Engineering  
Gary Kranse, Director, Laramie County Planning  
Marge Bedessem, Trihydro Corporation  
Laurie Johnson, Trihydro Corporation

Following introductions of attendees, a slide presentation was provided to guide the group discussion. A copy of the slide presentation is available on the project website at [www.southeasternwyomingiswm.com](http://www.southeasternwyomingiswm.com).

### **Project Status**

- A general recap of the overall ISWM Plan project status included:
  - Review of Wyoming Department of Environmental Quality/Solid and Hazardous Waste Division (WDEQ SHWD) major deliverables
    - April 1, 2009 – Draft ISWM Plan
    - July 1, 2009 – Final ISWM Plan
  - Discussion on status of the local working group's draft reports that characterize their existing systems
    - A short discussion concerning the methodology for population estimates
      - City of Cheyenne and ELCSWDD agreed to use 2%/yr population growth for next 20 years.
      - City of Laramie requested change from 0.731% (City of Laramie Comp Plan) to 1%
    - A short discussion concerning the methodology for waste stream estimates
      - City of Cheyenne and ELCSWDD reports will use local diversion data and landfill scale data. The City of Cheyenne requested 27% diversion used in their existing system report.

- City of Laramie reports will use local diversion data and estimate of landfill tonnage since no scale data available

### **Local Working Group ISWM Solid Waste Alternatives**

- Local meetings held in February and March
- Recommendations of alternatives provided from these meetings were discussed with entire group. These are also available on the website in local meeting notes ([www.southeasternwyomingiswm.com](http://www.southeasternwyomingiswm.com)).

### **Regional ISWM Solid Waste Alternatives**

After a discussion of each planning partner's alternatives identified in the local working group meetings, a list of regional alternatives was formulated. An economic analysis of these alternatives will be evaluated and submitted to WDEQ SHWD.

#### **Alternative 1 – Status Quo Plus (Two municipal solid waste landfills)**

1. City of Laramie and Burns landfill upgrade to a lined landfill while City of Cheyenne transports municipal solid waste (MSW) to Ault, Colorado
2. One transfer station (not including Rock River) – City of Cheyenne
3. One unlined construction/demolition (C/D) landfill - City of Cheyenne (Happy Jack landfill). The economic analysis will evaluate costs for lining C/D landfills in case regulations increase.
4. Two public composting facilities - City of Cheyenne and City of Laramie. ELCSWDD will continue composting for landfill cover only.
5. Two single stream recycling centers – City of Cheyenne and City of Laramie. Burns will provide a recycling drop off location.

Costs to be evaluated with this alternative:

1. Engineered containment systems(ECS) for City of Laramie and ELCSWDD landfill
2. Transportation costs for City of Cheyenne to Ault, Colorado
3. C/D landfill liner system for Happy Jack landfill
4. Composting facility for City of Laramie
5. Single stream recycling (collection, bale and send to market) for City of Laramie and City of Cheyenne

#### **Alternative 2 - One Regional Landfill, Undetermined Location or at Belvoir Ranch**

1. One new regional landfill, centrally located at undetermined location (subalternative - Belvoir Ranch location)
2. Two new transfer stations (not including Rock River) – City of Laramie and Burns landfill.
3. Three C/D landfills - City of Cheyenne's Happy Jack landfill, City of Laramie landfill and Burns landfill
4. Two public composting facilities - City of Cheyenne and City of Laramie. ELCSWDD will continue composting for landfill cover only.

5. Regional recycling facility – location not determined. The economic analysis will evaluate costs for a small materials recycling facility (MRF).

Costs to be evaluated with this alternative:

1. Permitting requirements, infrastructure, ECS, and transportation costs (truck and rail) to geographically central undetermined landfill
2. Transportation costs for trucking and railway options to the central location.
3. Two new transfer stations
4. Three C/D landfill liner systems
5. Composting facility in Laramie
6. MRF

#### Alternative 3 – No landfills

1. Transport all MSW to Ault, Colorado - City of Laramie transport MSW direct to Ault and City of Cheyenne transport ELCSWDD and City of Cheyenne's MSW to Ault
2. Two new transfer stations (not including Rock River) – City of Laramie, and Burns landfill
3. Three C/D landfills - City of Cheyenne's Happy Jack landfill, City of Laramie landfill and Burns landfill
4. Two public composting facilities - City of Cheyenne and City of Laramie. ELCSWDD will continue composting for landfill cover only.
5. Two single stream recycling centers – City of Cheyenne and City of Laramie. Burns provides recycling drop off location.

Costs to be evaluated with this alternative:

1. Transportation costs for trucking and railway options to Ault, Colorado
2. Two new transfer stations
3. Three C/D landfill liner systems
4. Composting facility in Laramie
5. Single stream recycling (collection, bale and send to market) for City of Laramie and City of Cheyenne

#### Alternative 4 – Belvoir Ranch as City of Cheyenne only landfill (3 municipal landfills)

1. City of Cheyenne only landfill at currently sited Belvoir Ranch. City of Laramie and ELCSWDD will upgrade to lined landfills.
2. No new transfer stations
3. One unlined C/D landfill - City of Cheyenne (Happy Jack landfill)
4. Two public composting facilities - City of Cheyenne and City of Laramie. ELCSWDD will continue composting for landfill cover only.
5. Regional recycling facility – location not determined. The economic analysis will evaluate costs for a small materials recycling facility (MRF).

Costs to be evaluated with this alternative:

1. Permitting requirements, infrastructure, ECS, and transportation costs (truck and rail) to Belvoir Ranch
2. ECS for City of Laramie and ELCSWDD landfill

3. C/D landfill liner system for Happy Jack landfill
4. Composting facility in Laramie
5. MRF

### **Next Steps**

The group discussed that the draft reports of the local existing facilities will be submitted as a deliverable for a WDEQ reimbursement. The annual meeting of the Wyoming Solid Waste and Recycling Association, which will be at the Parkway Plaza in Casper on August 25-28, 2008, was identified as an opportunity to network with other communities that are facing similar solid waste management issues.