

Canyons Focus Area

Los Alamos/Pueblo Canyon Surface Aggregate Report HWB/Canyons Core Team Meeting January 29, 2002



LA/Pueblo Surface Aggregate Report

Key Questions

- ❑ Are there present-day or future unacceptable human-health or ecological risks, under various exposure scenarios, for different portions of the watershed? *Also: net affect of watershed to the Rio Grande*
- ❑ Are corrective actions necessary to achieve acceptable conditions?
- ❑ Do contaminants in the watershed pose a present-day or projected future adverse effect to the Rio Grande?
- ❑ What are the long-term monitoring requirements that support contaminant trend evaluations and decisions to take action?
- ❑ Applicable or Relevant and Appropriate Requirements (ARARs)?

LA/Pueblo Surface Aggregate Report

ER Project Internal Coordination Questions

- Do any specific PRS source terms impact canyon media from a human health and ecological risk perspective?
- Do Canyons watershed data adequately support PRS aggregate and MDA investigations regarding characterization of nature and extent of contamination in all relevant media?
- Do Canyons data adequately support Intermediate and Deep Groundwater decisions?

LA/Pueblo Surface Aggregate Report

Key areas of negotiation/agreement with the NMED

Discuss next time:

- Exposure scenarios**
- Lines of evidence for ecological evaluation**
- Risk parameters**
- Acceptable risk and dose limits**
- Assessment period (30 yr, 100 yr?)**
- End-state of the watershed or sub-elements of the watershed (e.g., future land use assumptions)**
- Long-term monitoring requirements and commitment**
- Data gaps identification*

Sources of Data for Report

- ❑ **Geomorphic Investigations** *re sediment investigations*
- ❑ **Surface Water Observations**
- ❑ **Alluvial Groundwater Level Measurements**
- ❑ **Biota Data*** *1993/94 Baseline Report*
- ❑ **Surface Water and Alluvial GW Characterization**
- ❑ **Storm Water Data***
- ❑ **Contaminant Transport Modeling** *used for LA, will be applied to Pueblo w/LA data eventually*

* Relies on ESH-18 and ESH-20 data

Report Conclusions/Recommendations

- ❑ Results of adverse effects assessment
- ❑ Identification of necessary remedial actions
- ❑ Nature and extent for PRSs
- ❑ Key contaminant input to deep GW investigation
- ❑ Address ARARs
- ❑ Conceptual model for future trends
- ❑ Monitoring recommendations based on conceptual model

Long-Term Monitoring

The outcome of a final report for a watershed is likely to propose conditions for long-term monitoring for various media.

- ❑ Sampling locations**
- ❑ Analyte suites (including analytical methods)**
- ❑ Sample schedule (e.g., annual)**
- ❑ Development of “site-specific criteria” for comparison to future surveillance data**

Proposed Schedule

- ❑ **Establish “Core Team”**
- ❑ **Weekly(?) meetings for approximately 6 weeks**
- ❑ **Biweekly or Monthly thereafter**
- ❑ **Propose 1st meeting for Jan. 24, 2002**