

Keeler Dunes Investigation Project Meeting

Great Basin Unified
Air Pollution Control District

Keeler, California
January 20, 2011



A wide-angle photograph of a desert landscape. In the foreground, there is a vast, flat, sandy area with intricate, cracked patterns in the sand, likely from a dry riverbed. The middle ground shows a flat expanse of land with sparse, low-lying vegetation. In the background, a range of mountains stretches across the horizon, with some peaks covered in snow. The sky is blue with scattered white clouds.

Keeler Dunes Investigation Project Overview

1. Why are we doing the project?
 2. What is the purpose of the project?
 3. Who is involved in the project?
 4. When is the project going to be complete?
- Why are we having the meeting?

1. WHY?

- **Windborne dust from the Keeler Dunes cause exceedances of the PM10 air quality standard in the Community of Keeler.**
- **Dust emissions from the dunes need to be controlled in order to bring the Owens Valley Planning Area into attainment.**

Dust Video

**December 22, 2009 video from
Keeler Dunes Camera**

2. Project Purpose

- **Understand the historical development and dynamic nature of the dunes.**
- **Collect monitoring data on the dust emissions and sand movement within the dunes.**
- **Determine the area needed for control.**
- **Develop a control strategy that will provide for attainment of the PM10 standard in Keeler.**

3. Project Team

- **Great Basin Unified Air Pollution Control District**
- **Desert Research Institute (DRI)**
- **HydroBio Advanced Remote Sensing INC**

4. Schedule/Timeline

Past and Current Work

- Monitoring and data collection began in dunes in 2000 (two locations).
- Monitoring continues with a total of 17 sites within the dune area.
- Ongoing work on the historical development, mapping, and surveying.

4. Schedule/Timeline

Future Work

- Control strategy development by 2012.
- Environmental work complete by 2013.
- Controls should be in place by 2014.
- SIP requires PM10 attainment by 2017.

Purpose of Meeting

- **Present results of completed and ongoing work.**
- **Begin dialog with interested agencies and parties.**
- **Get public input on project.**
- **Discuss components of control strategy.**
- **Keep everyone informed.**



Keeler Dunes Investigation Project Components

- 1. Investigation of the origin and development of the dunes.**
- 2. Mapping and surveying.**
- 3. Collection and analysis of monitoring data.**
- 4. Dust control – requirements and development of a control strategy.**
- 5. Implementation of dust controls.**