

Dust Control State Perspective

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Environmental Health Section

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Defining the Problem

- Aesthetic - Nuisance
- Public Safety
- Economic Impacts: Crop/Livestock Concerns
- Regulatory Issues:
 - Local Jurisdiction
 - State Ambient Air Quality
 - Potential Particulate Violation if trend continues

Historical Dust Control

- Commercial Products
- Oilfield Brines
 - Worked to some extent with lower traffic volumes
 - Use Questioned
 - Environmental Impact?
 - Disposal vs. Beneficial Reuse
 - Does it work similar to Commercial Products
 - Potential Lawsuit

State and Local Response

- Local Response: Discontinued Use
 - Oil Companies
 - Local Governments
- State Response:
 - Collect Data
 - Source Water
 - Environmental Impact

What did we find?

- Not all Oilfield Brines are the same
 - Water Quality Variability
 - Beneficial Use for Dust and Ice Control Variability
- Oilfield Brines exist that have chemical properties which can control dust
- Environmental Sampling did not find adverse impacts
- **Certain Oilfield Brines Can be an Option for Dust Control**

State Goal

- Identify Acceptable Oilfield Brine Sources
- Define Application and Management Practices
 - Location – Date
 - Source
 - Amount Applied (Gallons per mile??)
 - Avoid Surface Water

