

Owens Lake Scientific Advisory Panel: Off-Lake Sources of Airborne Dust May Hybrid Meeting



May 29, 2024

OPEN SESSION

Location: Sulfate Facility 111 Sulfate Rd, Keeler CA, 93530

INTRODUCTIONS

8:30 am **Welcome and orientation**

Ted Russell, Chair

- Welcome, introductions
- NASEM processes
- OLSAP's task

8:40 am **Introduction: History of Owens Valley PM10 Planning Area Dust Control Challenges**

Phillip Kiddoo, GBUAPCD (15 min presentation + 5 min Q&A)

- brief history and current status of OVPA PM10 exceedances
- brief history of relevant regulatory context
- remaining dust control challenges

Jaime Valenzuela, LADWP (15 min presentation + 5 min Q&A)

- brief history of dust control measures
- progress in addressing on-lake exceedances
- regulatory context for off-lake sources

OFF-LAKE SOURCES

9:20 am **Geologic history of the Owens Lake Basin: Relationship of off-lake sources with paleo shorelines**

Steve Bacon, GBUAPCD (15 min presentation + 10 min Q&A)

- Lake level history
- Relationship of sources to paleo shorelines

9:45 am **Off-lake areas of concern that contribute to exceedances**

Grace Holder, GBUAPCD (15 min presentation + 10 min Q&A)

- areas of concern and their impacts to PM10 exceedances

- types of sources (e.g., shoreline berms, aeolian dunes, pluvial lake deposits, alluvial surfaces, recent flood events)
- changes in source areas over time

10:10 am BREAK

10:25 am Keeler Dunes

Grace Holder, GBUAPCD (15 min presentation)

- changes in Keeler Dunes over time

Jim Richards & Katie Kolesar, LADWP (15 min presentation)

- aeolian dune morphology and dune volume changes
- important hydrologic features and changes on the alluvial fans influencing vegetation stability
- emissions potential of aeolian and alluvial surfaces

Q&A with all speakers (20 min): Grace Holder, Jim Richards, Katie Kolesar

11:15 am Lunch & flood deposits (e.g. Centennial Wash, Keeler Dunes, Coso wash)

Nik Barbieri, GBUAPCD (10 min presentation + 2 min Q&A)

- mapping of flash flood deposits

Brian Schmid, Hank Dickey, Yohannes Yimam, LADWP (10 min presentation + 2 min Q&A)

- geomorphology and sources in centennial flats
- impact of tropical storms

12:00 pm Safety for field visits

Jevon Lam, LADWP (15 min presentation)

FIELD ORIENTATION TRIP #1 (south side)

A very limited number of the public are allowed to join the committee on a site tour of off-lake sources around Owens Lake. Public registration for the trip is now full and only those who directly received confirmation from NASEM staff will be allowed to attend.

If your attendance was confirmed, please bring:

- Hiking boots
- Outdoor clothing
- Hat
- Food and water

May 30, 2024

OPEN SESSION

8:30 am **Welcome and orientation**

Ted Russell, Chair

TRIBAL NATIONS AND STAKEHOLDERS

8:35 am Sally Manning, Big Pine Paiute Tribe (12 min presentation)

OFF-LAKE DUST CONTROL METHODS

8:50 am **Off-lake Dust Controls**

Grace Holder, GBUAPCD (15 min presentation)

- Summary of Keeler Dunes Dust Control Project
- Keeler Dunes lessons learned

9:05 am Ann Logan, GBUAPCD (8 min presentation)

- Important considerations (environmental resources, water, feasibility, cost...)

9:13 am Q&A/Discussion with all speakers: Grace Holder and Ann Logan

REGULATORY CONTEXT

9:35 am **Regulatory context of off-lake sources, including exceptional events policy**

Shaye Hong, EPA (15 min presentation)

- Introduction to EPA's Exceptional Events Rule

Carrie MacDougall & John Bannister, LADWP (20 min presentation)

- off-lake sources in the 2016 SIP
- EPA's Exceptional Events Rule
- Rule 433

Ann Logan, GBUAPCD (15 min presentation)

- Off-lake sources under the CAA
- EPA's exceptional events rule

Q&A/Discussion with all speakers: Shaye Hong, Dena Vallano, Sheila Tsai, Stella Cook, Ginger Vagenas, Gobeail McKinley, Beth Palma (EPA); Ann Logan (GBUAPCD), Carrie MacDougall, John Bannister (LADWP); Alicia Kindred, Leah Matthews, Theresa Najita (CARB)

10:50 **BREAK**

May 2024

TRIBAL NATIONS AND STAKEHOLDERS

11:05 am Tribal Nations

Kathy Bancroft, Lone Pine Paiute Shoshone Reservation (confirmed)

Also invited: Fort Independence Indian Reservation, Bishop Paiute Tribe, Timbisha Shoshone Tribe

11:25 am Stakeholder comment period

Michael Prather, Eastern Sierra Audubon (confirmed)

Friends of the Inyo

11:45 am Public comment period (must be in person and sign up by 10:45 am PT)

12:00 pm Lunch and continued discussion

FIELD ORIENTATION TRIP #2 (north side)

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