



- Dust Control Inside Reservoir
  - Watering at excavation operations
- 2. Dust from Tops of Loaded Trucks
  - Maintaining proper freeboard
  - Watering tops of loads
  - Tarping Pilot Program
- 3. Dust on Local Streets
  - Tire wash
  - Street sweeping





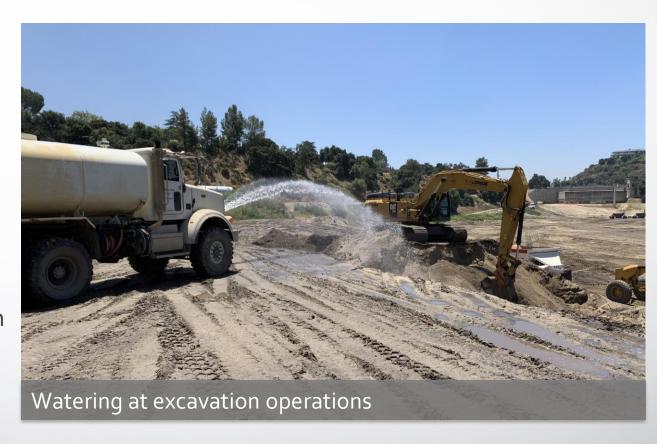
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### **Dust Control Measures Inside Reservoir**

- Air Quality Consultant (Tetra Tech) collecting hourly air monitoring readings for dust.
- If there is a high reading, operations are modified to prevent reoccurrence.
- Fugitive dust inside the reservoir has not been an issue and has been controlled with adequate watering.







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## **Dust from Tops of Trucks**

- CA Vehicle Code requires at least 6 in. of air space (freeboard) at the top of each load.
- Dedicated monitor onsite checking all trucks for proper freeboard.

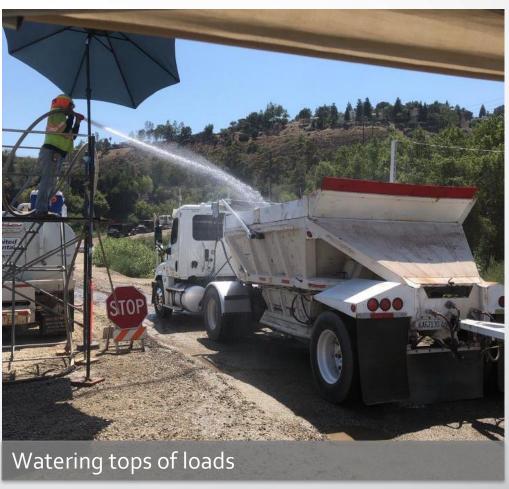






### **Dust from Tops of Trucks**

- All loaded trucks are watered before leaving the reservoir.
- Watering the top of each load and maintaining proper freeboard significantly reduces the potential for dust to blow off the tops of loaded trucks.





#### Taking a Community-First Approach

## **Dust from Tops of Trucks**

- Tarping haul trucks was evaluated as a measure to control dust blowing off the tops of the loaded trucks while approaching freeway speeds.
  - Tarping unrelated to Public Works' effort to control dust on local haul routes.
- Public Works initiated a tarping pilot program on 8/19/19, and monitored trucks for 10 haul days (concluded on 9/4/19).
  - 280+ hours of observation by Public Works
  - 629 truck trips observed
- Public Works monitored trucks traveling along the haul routes and kept a log of trucks with and without tarps and documented conditions.
  - No dust observed blowing off the tops of trucks on local streets
  - No rocks observed falling out of the back of trucks
  - Video taken of observations
- Results indicate that the tarped trucks show no appreciable difference in the occurrence of dust coming from the tops of trucks.  $p_{ublic}$



### **Dust from Tops of Trucks**

Dust Level	% of Tarped Trucks	% of Non- Tarped Trucks	% of All Trucks
0	79%	78%	78%
1	13%	9%	11%
2	6%	12%	10%
3	2%	1%	1%

#### **Dust Level Rating Scale:**

- (0)-No dust
- (1)-No Visible but audible dust on windshield
- (2)-Light airborne dust
- (3)-Significant, heavy airborne dust





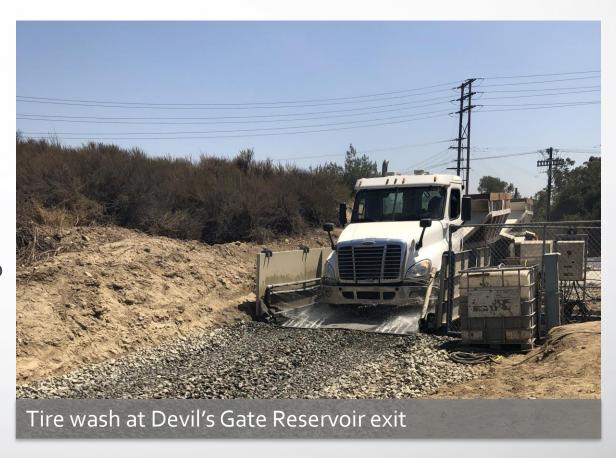
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### **Dust on Local Streets**

- experiencing on the local streets is due to the track-out and dust from the tires, not the lack of tarps.
- Public Works is continuing to add and adjust measures to significantly reduce tracking from the tires.







### **Dust on Local Streets**

- Once the tracking problem with the tires is solved, there should be a vast improvement in dust.
- Public Works is confident that tarping will not be required.





# Questions?

### For More Information:

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DevilsGateProject.com



DevilsGateProject@pw.lacounty.gov



Hotline: (626) 458-2507

