



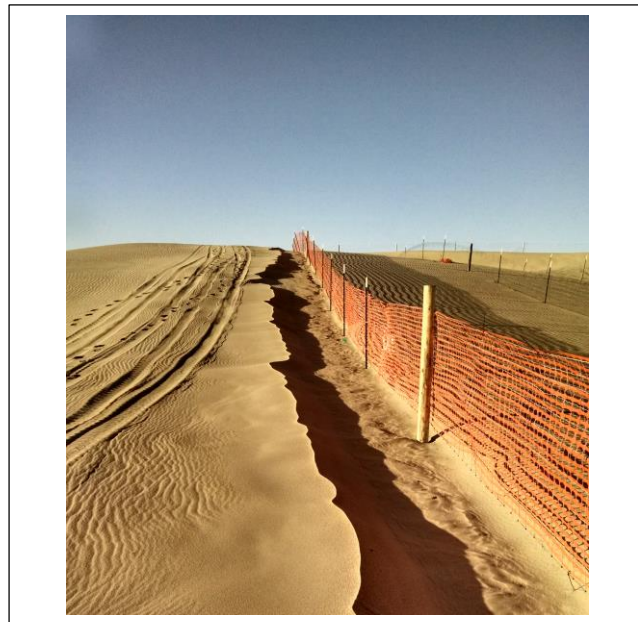
# OPERATIONAL MITIGATIONS

## Fugitive Dust Emission Strategies

Oceano Dunes District  
Off-Highway Motor Vehicle Recreation Division

District Staff

January 18, 2018





## **Issue**

What fugitive dust air emission mitigation measures (operational mitigations) could Oceano Dunes District implement and incorporate into on-going park operations, which will enhance our project specific, seasonal, San Luis Obispo County Air Pollution Control District mitigation measures, in an effort to address and improve upon fugitive dust emission strategies and compliance?

## **Potential Costs**

Costs will be dependent upon multiple factors including, but not limited to, amount of operational mitigations identified, staff and labor required for installation, materials and equipment required for installation, staff and labor required for on-going maintenance and material and equipment required for on-going maintenance.

## **Background**

Oceano Dunes implements temporary, seasonal, fugitive dust emission projects to address air emission compliance as identified by the San Luis Obispo County Air Pollution Control District. The California Coastal Commission recently (September 2017 and October 2017) approved a Coastal Development Permit (CDP 3-12-050) for Oceano Dunes District Dust Control projects. Oceano Dunes District identifies significant additional benefits by implementing and incorporating mitigation measures into on-going park operations (operational mitigations) which would provide additional emission benefits, beyond planned seasonal projects.

## **Discussion**

Oceano Dunes District believes implementing specific operational mitigations, incorporated as part of our on-going park operations, will provide for additional air emissions compliance benefits. To achieve these benefits, Oceano Dunes District has identified a number of potential operational mitigation strategies for consideration. Proposed activities and strategies may be evaluated independent of one another, or collectively, in an effort to identify feasibility and success of proposed operational mitigations (wind fencing).



## **Proposed Operational Mitigations**

### **Strand Way-**

1,400 linear feet of wind fencing  
Cost of installation (labor and materials) approximately \$4,620.00  
Time of installation approximately 4 days

### **Concession Corrals-**

1,400 linear feet of wind fencing  
Cost of installation (labor and materials) approximately \$4,620.00  
Time of installation approximately 4 days  
Cost of on-going maintenance approximately \$4,000.00

### **Dune Preserve (Post 3 to Open Area)-**

2,000 linear feet of wind fencing  
Cost of installation (labor and materials) approximately \$6,600.00  
Time of installation approximately 6 days

### **Alley Way(s)-**

4,000 linear feet of wind fencing  
Cost of installation (labor and materials) approximately \$13,200.00  
Time of installation approximately 12 days  
Cost of on-going maintenance approximately \$11,000.00

### **Open Area Camping-**

1,050 linear feet of wind fencing  
Cost of installation (labor and materials) approximately \$3,500.00  
Time of installation approximately 4 days  
Cost of on-going maintenance approximately \$3,000.00

### **Post 4 ½ - 5 Camping-**

1500 linear feet of wind fencing  
Cost of installation (labor and materials) approximately \$5,000.00  
Time of installation approximately 4 days  
Cost of on-going maintenance approximately \$4,000.00

## **All operational mitigation measures implemented**

11,350 linear feet of wind fencing  
Cost of installation (labor and materials) approximately \$38,000.00  
Time of installation approximately 34 days  
Cost of on-going maintenance approximately \$22,000.00



**Project Execution**

**Phase 1- Installation February 6-8, 2018**

- Dune Preserve perimeter fence
- Open Area camping array
- Search and Rescue (SAR) Base
- If time allows*
- Post 4 – Post 6 camping arrays

**Phase 2- Installation March 6-15**

- Post 4 – Post 6 camping arrays
- Concession Corrals
- Arroyo Grande Creek/ south Strand Way array

**Appendix**

- Maps

DRAFT



Operational Mitigations

Legend





# Operational Mitigations

# Legend

Strand Way mitigations

Concession Corral mitigations

Google Earth

© 2017 Google

900 ft





# Operational Mitigations

Legend

Dune Preserve mitigations

Open Area mitigations

Google Earth

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900 ft





# Operational Mitigations

Legend

Aley way mitigatons

Post 4 1/2 - 5 Camping mitigatons

Aley way mitigatons

Post 4 1/2 - 5 Camping mitigatons

Aley way mit





# Operational Mitigations

Legend





# Operational Mitigations

Legend

