



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

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