

Mitigation Monitoring and Reporting Program

County of Los Angeles Weather Modification Project

Prepared by

**The County of Los Angeles Department of Public Works
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MITIGATION MONITORING AND REPORTING PROGRAM (MMRP)

Pursuant to the California Environmental Quality Act (CEQA), the potential environmental effects of the proposed County of Los Angeles (County) Weather Modification Project (Project) have been analyzed in a Draft Mitigated Negative Declaration (MND) dated October 6, 2009 and revised June 1, 2015.

Section 15074(d) of the CEQA Guidelines states that, when adopting a mitigated negative declaration, the lead agency shall adopt a program for reporting on or monitoring the changes that it has either required in the project or made a condition of approval to reduce or avoid significant environmental effects. Section 21081.6 of CEQA and Section 15097 of the CEQA Guidelines require a public agency to adopt a Mitigation Monitoring and Reporting Program (MMRP) for assessing and ensuring the implementation of required mitigation measures applied to proposed projects. Specific reporting and/or monitoring requirements that will be enforced during project implementation shall be adopted simultaneously with final Project approval by the responsible decision making body. The MMRP provided in this document describes the mitigation program to be implemented by the County of Los Angeles (County).

The MMRP for the Weather Modification Project consists of Mitigation Measures (MMs) that will reduce or avoid significant environmental effects associated with Project implementation, and reflect any errata to mitigation measures in the Final MND. The MMs for the Project are listed in the first column in the Table below, along with the timeframe for implementing the MM in the second column; the agency or party with primary responsibility for implementing the MM in the third column; and the agency or party with responsibility for monitoring compliance in the fourth column. Implementation of the MMs for the Project would primarily be the responsibility of the County of Los Angeles, as the Lead Agency under CEQA, and its consultants/contractors.

Summary, Timing and Responsibilities of Mitigation Measures

MMRP Mitigation Measures	Mitigation Timing	Responsible Agency/Party	Monitoring Agency/Party
Biological Resources (Section 4.4 of the MND)			
<p>MM 4.4-1: Mitigation for the potential impact to loss of vegetation and of the overall capacity of the habitat to support native wildlife populations shall occur through the suspension of seeding if precipitation rates exceed 1.0 inch per hour within the target watersheds. Seeding will be suspended if any storm is forecast to produce over 5.0 inches of rainfall within a 24-hour period in the target areas.</p>	During Operation	Cloud seeding Contractor in accordance with Contract Specifications	County of Los Angeles Department of Public Works (Lead Agency)
Geology and Soils (Section 4.6 of the MND)			
<p>MM 4.6-1: Exposure of people or structures to potential adverse effects by landslides shall be mitigated by monitoring precipitation and suspending seeding if precipitation rates exceed 1.0 inch per hour or forecasted to produce over 5.0 inches of rainfall within a 24-hour period. Also, seeding will be suspending in the event of a 5.0 earthquake occurs within 50 miles, or a 4.0 earthquake occurs within 25 miles of any installation site or target watershed.</p> <p>MM 4.6-2: Exposure of people or structures to potential adverse effects by erosion shall be mitigated by monitoring precipitation and suspending seeding if precipitation rates exceed 1.0 inch per hour or forecasted to produce over 5.0 inches of rainfall within a 24-hour period. Also, fires within the target watersheds will lead to immediate suspension of seeding activities to prevent undue erosion.</p> <p>MM 4.6-3: Exposure of people or structures to potential adverse effects by flooding shall be mitigated by monitoring precipitation and suspending seeding if precipitation rates exceed 1.0 inch per hour or forecasted to produce over 5.0 inches of rainfall within a 24-hour period. Also, seeding will be suspended whenever the NWS issues a flash flood warning in the target areas.</p>	During Operation	Cloud seeding Contractor in accordance with Contract Specifications.	County of Los Angeles Department of Public Works
Hydrology and Water Quality (Section 4.8 of the MND)			
<p>MM 4.8-1: The project suspension criteria shall be implemented as mitigation measures against potential impacts associated with the physical alteration of existing watercourses. Suspending project operations for events that are forecast to produce 5-inches (or greater) of rainfall within a 24-hour period will prevent excessive runoff from substantially altering the existing drainage pattern of the site or area.</p>	During Operation	Cloud seeding Contractor in accordance with Contract Specifications.	County of Los Angeles Department of Public Works

<p>MM 4.8-2: The project suspension criteria shall be implemented herein as mitigation for potential impacts associated with increased flow velocities and volumes. Suspending project operations for events that are forecast to produce 5 inches (or greater) of rainfall within a 24-hour period, or over 1 inch of rainfall within a 1-hour period will prevent excessive runoff from flooding on-or off-site. With this mitigation incorporated, a less than significant direct, indirect, or cumulative impact will occur on this item.</p> <p>MM 4.8-3: The project suspension criteria shall be implemented as mitigation to minimize the potential for impacts associated with the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff. Suspending project operations for events that are forecast to produce 5-inches (or greater) of rainfall within a 24-hour period, or over 1 inch of rainfall within a 1-hour period, will prevent excessive storm runoff from exceeding downstream flood control facility capacities on- or off-site. Additionally, suspending cloud seeding operations in the event that reservoir storage is at a level where additional inflow to the reservoir from upcoming storms will result in water releases greater than the capacity of the downstream water conservation facilities will prevent excessive storm runoff from exceeding downstream facility capacities. The project will not add pollutants to the runoff water. Thus, with mitigation incorporated, a less than significant direct, indirect, or cumulative impact will occur on this item.</p>			
Mandatory Findings of Significance (Section 4.17 of the MND)			
<p>MM 4.17-1: Cumulatively considerable impacts will be mitigated through the suspension criteria outlined within the Description of Project section. Cumulative affects which will be mitigated to less than significant through suspension criteria are: erosion, flooding, landslides, and inadequate emergency service response caused by excessive storm runoff.</p>	<p>During Operation</p>	<p>Cloud seeding Contractor in accordance with Contract Specifications</p>	<p>County of Los Angeles Department of Public Works</p>
<p>MM 4.17-2: Environmental effects which may cause substantial adverse effects on human beings will be mitigated through the use of the suspension criteria.</p>	<p>During Operation</p>	<p>Cloud seeding Contractor in accordance with Contract Specifications</p>	<p>County of Los Angeles Department of Public Works</p>