

## Mitigation Monitoring and Reporting Plan

In accordance with CEQA, SAWPA prepared an IS/MND that identifies adverse impacts related to construction activity for the Project. The MND also identifies mitigation measures that would reduce or eliminate these impacts. Adoption of the Mitigation Monitoring and Reporting Plan (MMP) would occur along with approval of the Project.

Section 21081.6 of the PRC and Sections 15091(d) and 15097 of the State CEQA Guidelines require public agencies “to adopt a reporting and monitoring program for changes to the project which it has adopted or made a condition of project approval in order to mitigate or avoid significant effects on the environment.” A MMP is required because the MND for the Project identified potentially significant adverse impacts related to construction activity, and mitigation measures have been identified to mitigate those impacts.

This MMP has been prepared to ensure that required mitigation measures are implemented and completed according to schedule and maintained in a satisfactory manner during construction of the Project, as required. The MMP may be modified by SAWPA during Project implementation, as necessary, in response to changing conditions. Table 5.4-1 has been prepared to assist the responsible parties in implementing the MMP. The table identifies the category of significant environmental impact, individual mitigation measures, monitoring/mitigation timing, responsible person/agency for implementing the measure, monitoring and reporting procedure, and space to confirm implementation of the mitigation measures. The numbering of mitigation measures follows the numbering sequence found in the MND. Revisions to mitigation measures that were necessary as a result of responding to public and agency comments have been incorporated into this MMP.

### Mitigation Measures

**Mitigation Measure BIO-1.** A qualified botanist familiar with the flora in the Project area will conduct pre-construction clearance surveys within 10 days prior to the start of construction. Pre-construction clearance surveys for special-status plants will be conducted in suitable habitats within 100 feet of Project disturbance areas. The purpose of the surveys will be to identify the presence of any special-state plants and the extent of their population for the purpose of avoidance to the extent feasible. Surveyors will record the locations using GPS and mark populations if present with stakes or flags. SAWPA will avoid special-status plants by placing the CNGs and AHOGS away from established populations of rare plants whenever feasible. A buffer zone will be recommended by the botanist that will prevent direct or indirect disturbance to the plants from installation activities and dust.

**Mitigation Measure BIO-2.** The nesting season generally occurs from February 1 to September 15. Pre-construction nesting bird surveys will be conducted by a qualified biologist no more than 14 days before initiation of any construction activities. The surveys will include the installation disturbance area plus a 100-foot buffer. If active nests are located, the qualified biologist will recommend avoidance buffers (minimum 25 feet) based on the species, nest location, and observed behavior. A qualified biologist will confirm that young have fledged the nest prior to removal of the avoidance buffer.

**Mitigation Measure CUL-1.** In the event that any archaeological features are discovered during installation, all work shall stop within a 60-foot buffer of the find, and a qualified archaeologist meeting the Secretary of Interior standards shall be notified. Additionally, per request, the San Manuel Band of Mission Indians Cultural Resources Department shall be contacted and provided information after the archaeologist makes the initial assessment. The archaeologist shall record the site and work with SAWPA to identify an alternate installation location on the property that will avoid impacting cultural resources. The archaeologist shall prepare a report according to current professional standards.

**Mitigation Measure TCR-1.** SAWPA shall prepare and implement an Unanticipated Discoveries Plan prior to installing any of the cloud seeding units. Project construction personnel would monitor areas during surface disturbing activities and if any potential tribal cultural resources are encountered, all construction affecting the discovery site would be suspended in an area 60 feet around the resource immediately until a qualified archaeologist meeting Secretary of Interior standards, or relevant tribal representative, has reviewed the findings. Per request, the San Manuel Band of Mission Indians Cultural Resources Department shall be contacted in the event of any cultural resources discovered during project implementation and be provided information regarding the nature of the find.

## Roles and Responsibilities

Unless otherwise specified herein, the construction contractor is responsible for taking the actions necessary to implement the mitigation measures according to the specifications provided for each measure and for demonstrating to SAWPA that the action has been successfully completed.

SAWPA would be responsible for overall administration of the MMRP and for verifying that the construction contractor has completed the necessary actions for each measure. SAWPA would designate a project manager to oversee the MMRP during the construction period. Duties of the project manager include the following:

- Ensure that routine inspections of the construction site are conducted by appropriate SAWPA staff; check plans, reports, and other documents required by the MMP; and conduct reporting activities.
- Serve as a liaison between SAWPA and the construction contractor regarding mitigation monitoring issues.
- Complete forms and maintain reports and other records and documents generated by the MMRP.
- Coordinate and ensure that corrective actions or enforcement measures are taken, if necessary.

## Mitigation Monitoring Reporting

SAWPA would prepare an annual monitoring report on compliance with the required mitigation measures for the year of construction (inclusive of the first rainy season following construction). The report would be designed to simply and clearly identify whether mitigation measures are being, or have been, adequately implemented. At a minimum, each report would identify the mitigation measures or conditions to be monitored for implementation, whether compliance with the mitigation measures or

conditions has occurred, the procedures used to assess compliance, and whether further action is required.

The annual report submitted would verify the implementation of mitigation measures. The table that follows would be used to guide SAWPA in their evaluation and be the basis for annual reporting.

- The column categories identified in the table are described below:
- Mitigation Measure. This column provides the text of the mitigation measures identified in the IS/MND.
- Timing/Schedule. This column lists the time frame in which the mitigation would take place.
- Steps to Compliance Verification. This column lists the steps that are necessary to ensure compliance with the mitigation.
- Implementation Responsibility. This column identifies the entity responsible for ensuring compliance with the requirements of the mitigation measure.
- Implementation Verification. This column is for verifying compliance. The Program Manager or is/her designee, based on the documentation provided by the construction contractor, its agents, or through personal verification by SAWPA staff would insert their initials and the date compliance was verified in this column.

Impact	Mitigation Measure	Time Frame for Implementation	Steps to Compliance and Verification	Responsible Monitoring Agency	Implementation Verification (Initial and Date)
Biological Resources					
<p>BIO (a). Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?</p>	<p>Mitigation Measure BIO-1. A qualified biologist familiar with the flora and fauna in the Project area shall conduct pre-construction clearance surveys within 10 days prior to the start of construction. Pre-construction clearance surveys for special-status plants and wildlife shall be conducted in suitable habitats within 100 feet of Project disturbance areas. The purpose of the surveys will be to identify the presence of any special-state plants and the extent of their population and the presence of special status wildlife for the purpose of avoidance to the extent feasible. Surveyors will record the locations using GPS and mark populations if present with stakes or flags. SAWPA will avoid special-status plants by placing the CNGs and AHOGS away from established populations of rare plants whenever feasible. Installation would be paused in the event that a special status wildlife species is encountered, and the appropriate state or federal agency would be notified. A buffer zone will be recommended by the biologist that will prevent direct or indirect disturbance to the identified plants or populations of special status wildlife from installation activities and dust.</p>	<p>Within 10 days prior to the start of construction.</p>	<p>Project biologist to submit technical memorandum summarizing findings and recommendation.</p>	<p>SAWPA</p>	

Impact	Mitigation Measure	Time Frame for Implementation	Steps to Compliance and Verification	Responsible Monitoring Agency	Implementation Verification (Initial and Date)
<p><b>BIO (d).</b> Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?</p>	<p><b>Mitigation Measure BIO-2.</b> The nesting season generally occurs from February 1 to September 15. Pre-construction nesting bird surveys shall be conducted by a qualified biologist no more than 14 days before initiation of any construction activities. The surveys shall include the installation disturbance area plus a 100-foot buffer. If active nests are located, the qualified biologist shall recommend avoidance buffers (minimum 25 feet) based on the species, nest location, and observed behavior. A qualified biologist shall confirm that young have fledged the nest prior to removal of the avoidance buffer.</p>	<p>No more than two weeks before construction.</p>	<p>Project biologist to submit technical memorandum with findings. If nests observed, project biologist to submit daily email report with photographs of observation until young have fledged.</p>	<p>SAWPA</p>	
<b>Cultural Resources</b>					
<p><b>CR (b).</b> Cause a substantial adverse change in the significance of an archaeological resource pursuant to § 15064.5?</p>	<p><b>Mitigation Measure CUL-1.</b> In the event that any archaeological features are discovered during installation, all work shall stop within a 60-foot buffer of the find, and a qualified archaeologist meeting the Secretary of Interior standards shall be notified. Additionally, per request, the San Manuel Band of Mission Indians Cultural Resources Department shall be contacted and provided information after the archaeologist makes the initial assessment. The archaeologist shall record the site and work with SAWPA to identify an alternate installation location on the property that will avoid impacting cultural resources. The archaeologist shall prepare a report</p>	<p>During construction activity</p>	<ol style="list-style-type: none"> <li>1. Project construction personnel monitor area.</li> <li>2. If resources are identified, stop work and contact SAWPA. SAWPA to contact others.</li> <li>3. Identify alternative location for installation</li> </ol>	<p>SAWPA</p>	

Impact	Mitigation Measure	Time Frame for Implementation	Steps to Compliance and Verification	Responsible Monitoring Agency	Implementation Verification (Initial and Date)
	according to current professional standards.				
Tribal Cultural Resources					
<p><b>TCR (a).</b> Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code § 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is: Listed or eligible for listing in the CRHR, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k); or, a resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code § 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code § 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.</p>	<p><b>Mitigation Measure TCR-1.</b> SAWPA shall prepare and implement an Unanticipated Discoveries Plan prior to installing any of the cloud seeding units. Project construction personnel would monitor areas during surface disturbing activities and if any potential tribal cultural resources are encountered, all construction affecting the discovery site would be suspended in an area 60 feet around the resource immediately until a qualified archaeologist meeting Secretary of Interior standards, or relevant tribal representative, has reviewed the findings. Per request, the San Manuel Band of Mission Indians Cultural Resources Department shall be contacted in the event of any cultural resources discovered during project implementation and be provided information regarding the nature of the find.</p>	Prior to and during construction	<ol style="list-style-type: none"> <li>1. Prepare unanticipated discoveries plan.</li> <li>2. Monitor during construction.</li> <li>3. If resources are identified, stop work and contact SAWPA. SAWPA to contact others.</li> </ol>	SAWPA	