

Resolution No. R5-2014-0047

Attachment 1

Amendment to Basin Plan to Provide a Groundwater Regulatory Framework towards Closure of the Royal Mountain King Mine Site, Calaveras County

1. Amend the Basin Plan under the heading "Ground Waters" (page II-2.01), as follows:

Beneficial uses of groundwater of the basins are presented below. For the purposes of assigning beneficial uses, the term groundwater is defined in Chapter I.

Unless otherwise designated by the Regional Water Board, all ground waters in the Region are considered as suitable or potentially suitable, at a minimum, for municipal and domestic water supply (MUN), agricultural supply (AGR), industrial service supply (IND), and industrial process supply (PRO).

Beneficial Use De-designations

Ground waters at the Royal Mountain King Mine Site are de-designated for MUN and AGR in the de-designation area shown in Figure II-2.

2. Amend the Basin Plan under the heading, "The Nature of Control Actions Implemented by the Regional Water Board" and subheading, "Control Action Considerations of the Central Valley Regional Water Board" (page IV-21.00) by adding:

12. Policy for the Royal Mountain King Mine Site in Calaveras County

- a. Groundwater Management Strategy at the Royal Mountain King Mine Site, in Calaveras County

The owner of the Royal Mountain King Mine Site shall continue to implement a groundwater management strategy to manage poor-quality groundwater at the Site and to protect good-quality groundwater. The strategy is to maintain the lowest practicable level of water in Skyrocket Pit Lake and prevent any measurably significant degradation of current water quality in groundwater downgradient of the MUN and AGR de-designation area shown in Figure II-2. In addition, saline leachate that emerges as springs at the base of the Gold Knoll Overburden Disposal Site and the West Overburden Disposal Site, as well as the Flotation Tailings Reservoir leachate collection and recovery system, shall be collected in sumps and transferred by pumping to Skyrocket Pit Lake or regulated with an NPDES permit or WDRs.

- b. Variance for IND and PRO Uses in Groundwaters at the Royal Mountain King Mine site, in Calaveras County

Groundwaters within the area shown in Figure II-2 at the Royal Mountain King Mine Site are subject to a variance for the IND and PRO uses based on high background levels of total dissolved solids. The variance exempts the constituents listed in the table, below, from regulatory limits that would otherwise be determined from the IND and PRO beneficial uses.

Constituents in groundwater subject to the variance for IND and PRO include:

<u>Total Dissolved Solids</u>
<u>Arsenic</u>
<u>Chloride</u>
<u>Nitrate</u>
<u>Selenium</u>
<u>Sulfate</u>

Figure II-2 Royal Mountain King Mine Site
Groundwater De-designation and Variance Area

