

ATTACHMENT A

Agnew Lake Water Monitoring Plan (as submitted by the Applicant)

Agnew Lake Water Monitoring Plan

Southern California Edison (SCE) will monitor water quality in Rush Creek for the Agnew Lake Geomembrane Installation Project.

Pre-construction Monitoring

SCE will establish the baseline turbidity prior to construction using portable turbidity meters. SCE will take at least three turbidity samples in Rush Creek below the powerhouse within the week prior to beginning construction. This pre-construction monitoring data will be used to establish baseline turbidity conditions.

General Monitoring Conditions

Measured Observations

- SCE will conduct measured observations for increased turbidity in Rush Creek at two (2) designated sites: 1.) Diversion Outlet, 2.) Rush Creek below Agnew Lake whenever the project activity has the potential to increase turbidity (*i.e.*, work being done in or near the wetted channel).
- Measured Observations using portable meters for turbidity will be completed daily during construction. Monitoring will begin approximately one (1) hour after the start of construction each day and will be conducted for a minimum of once every four (4) hours during periods of no observed increase in turbidity. Monitoring will be conducted a minimum of every two (2) hours during periods of increased turbidity (based on monitoring and visual observations) or until turbidity levels are no longer increasing as a result of project activities. A turbidity monitoring form will be completed daily and they will remain on file during the construction period and thereafter be kept in the long term Hydro files.
- When turbidity levels at either monitoring point are 10% or greater over the baseline, the overall distance from the source of turbidity to the downstream extent of the increased turbidity (10 percent above baseline) will be measured. SCE will cease construction activities affecting surface water turbidity immediately and mitigate the cause. Results will be reported to State Water Board staff as soon as practicable (*i.e.*, no longer than within 1 business day).