

APPENDIX V

MONITORING PLAN UPDATE ADDENDUM

SUMMARY

Based on the requirements in the Order R5-2014-0029-R1, a monitoring schedule is submitted annually in the Monitoring Plan Update (MPU) which is due August 1 prior to the monitoring WY. The Coalition submitted the 2017 WY MPU on August 1, 2016 (approved October 14, 2016). In order to determine when, what, and where MPM and Represented site monitoring should occur, the Coalition reviews available monitoring results and PUR data. Due to the submittal of the MPU on August 1, the Coalition is only able to review data up through June of that year. Therefore, it was discussed with Regional Board staff that an addendum to the MPU for the current WY will be included in the Annual Report and will assess monitoring results from July through September from the previous WY.

The Coalition reviewed monitoring data for exceedances from July through September 2016. Sites with one or more exceedances of the WQTL in samples collected during this period may affect the 2017 WY monitoring schedule as described in the following scenarios:

1. The site is not currently in a management plan for the constituent and the exceedance of the WQTL results in a management plan requirement for the site. If so, the Coalition will review when MPM would need to occur. If the exceedance results in a management plan requirement for a Core site, the Coalition will review if additional monitoring at Represented sites is necessary.
2. If the site is already in a management plan for the constituent that exceeded the WQTL and no previous exceedances occurred in the same month, the Coalition will updated the MPM schedule accordingly. If the exceedance occurred at a Core site, the Coalition will also review if additional monitoring at Represented sites is necessary during the month of the exceedance.

UPDATES TO THE 2017 WY MPU

The Coalition reviewed the exceedances of the WQTLs that occurred from July through September 2016 for both scenarios described above that would require an update to the 2017 WY monitoring schedule. From July through September 2016, there were exceedances of the WQTL for field parameters (DO, pH, SC), *E. coli*, arsenic, chlorpyrifos, and water column toxicity to *S. capricornutum*.

Chlorpyrifos

The exceedance of the WQTL for chlorpyrifos (0.017 µg/L) occurred on August 16, 2016 at Mormon Slough @ Jack Tone Rd. The site subwatershed is already in a management plan for chlorpyrifos, and therefore no changes to the 2017 WY schedule were required.

Water column toxicity to *S. capricornutum*

Water column toxicity to *S. capricornutum* occurred on July 19, 2016 at Mokelumne River @ Bruella Rd (79% growth compared to the control in the environmental sample and 84% growth compared to the control in the field duplicate) and at Roberts Island Drain @ Whiskey Slough Pump (79% growth compared to the control). Both site subwatersheds are in management plans for water column toxicity to *S. capricornutum*, and therefore no changes to the 2017 WY schedule were required.