

San Joaquin River Chlorpyrifos and Diazinon TMDL Annual Monitoring and Compliance Report Proposed Schedule and Format

The East San Joaquin River Water Quality Coalition (ESJWQC) and Westside San Joaquin River Watershed Coalition (Westside Coalition) have jointly developed this proposal to address the reporting component of the San Joaquin River Chlorpyrifos and Diazinon TMDL Basin Plan Amendment (TMDL Program). The intent of this proposal is to coordinate and streamline the TMDL Program reporting requirements with those of the Irrigated Lands Regulatory Program so that all reporting requirements can be met in a more complete and efficient manner.

Reporting Schedule. The proposed report submittal date is May 1st of each year and would cover the previous October 1st through September 30th (12 months) monitoring period. This date was selected for the following reasons:

- Pesticide use data (PUR data) are expected to be available by this time. PUR data can be useful in determining trends in pesticide use timing, application method, and type of crops that are being treated. However, there is a significant delay (often four to six months or longer) before these data are available for analysis.
- The TMDL Program Annual Monitoring Report submittal date needs to be balanced with the other reporting obligations of each Coalition. Currently, the ESJWQC must submit its Annual Monitoring Report on March 1st and the Management Plan Update Report on April 1st. The Westside Coalition submits its Semi-Annual Monitoring Reports on June 15th and November 30th. These reports are extremely resource intensive and require weeks to prepare.
- The TMDL Program Annual Monitoring Report relies on data analysis and management practice activities reported in each Coalition's monitoring reports and management plan updates. It is efficient to have these reports completed prior the completion of the TMDL Program Monitoring Report.
- The time period for reporting is based on a water year. The end of the water year coincides with seasonal changes (end of dry and beginning of wet seasons) as well as the typical end of the agricultural cycle of field preparation, planting, growth and harvest.

Monitoring Schedule. The proposed sample collection schedule for the six San Joaquin River compliance points is tabulated below. In addition, tributary monitoring will occur monthly by each Coalition based on their respective monitoring plans approved by the Irrigated Lands Regulatory Program.

Monitoring Site	Sample Collection Frequency
San Joaquin River at Sack Dam	Monthly including up to 2 rain events.
San Joaquin River at Lander Ave.	Monthly including up to 2 rain events.
San Joaquin River at Hills Ferry	Quarterly
San Joaquin River at Las Palmas (Patterson)	Monthly including up to 2 rain events.
San Joaquin River at Highway 132	Quarterly
San Joaquin River at Vernalis	Quarterly

Quarterly monitoring will occur on the second Thursday during the months listed below.

Quarter	Sampling Month	Rationale¹
Quarter 1 (January – March)	Will attempt to coincide with storm.	Runoff from any dormant sprays
Quarter 2 (April – June)	May	Alfalfa and corn applications
Quarter 3 (July – September)	July	Alfalfa, almond hull-split, and walnut codling moth applications
Quarter 4 (October – December)	October	Post-harvest applications on vineyards

¹ Chlorpyrifos and diazinon applications are made to numerous other crops but these have been found to be problematic in the past.

Report Structure. The Coalitions propose a single annual report which will report on data and activities from the previous water year and will include: 1) data and analysis for the six San Joaquin River monitoring sites, 2) data collected by the two Coalitions related to tributary discharges of chlorpyrifos and diazinon, 3) management practice activities, and 4) specific sections that address the seven TMDL monitoring objectives. To the extent practical, the report will be self-sufficient and include data from both Coalitions to adequately address the seven objectives listed in the Basin Plan. As discussed at the March 28, 2011 meeting, the report will not include a mass balance based on calculated loads.