

REVISION OF
MONITORING AND REPORTING PROGRAM
ORDER NO. R5-2014-0002-R2
FOR
WASTE DISCHARGE REQUIREMENTS GENERAL ORDER
FOR GROWERS WITHIN THE WESTERN SAN JOAQUIN RIVER WATERSHED
THAT ARE MEMBERS OF A THIRD-PARTY GROUP

The Western San Joaquin River Watershed Monitoring and Reporting Program Order R5-2014-0002-R2 (MRP Order) and accompanying Appendix MRP-1 are revised as shown by underline and strikeout text in Attachment 1 of this Order.

The Western San Joaquin River Watershed Coalition shall comply with the Western San Joaquin River Watershed MRP Order and accompanying Appendix MRP-1 as revised by the Executive Officer.

The Coalition, on behalf of the individual member Dischargers, shall implement the above monitoring and reporting program and modifications as of the date of this revised Order.


PAMELA C. CREEDON
Executive Officer

4-15-16
Date

ATTACHMENT 1

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ATTACHMENT B

PART III. SURFACE WATER QUALITY MONITORING REQUIREMENTS

B. MONITORING LOCATIONS

Table 1. Third-party Monitoring Sites, site code, and geographic location.

Site Name	SWAMP Code	Station Code	Latitude	Longitude
Discharge Sites				
Hospital Creek at River Road	541XHCARR	HCARR	37.61047	-121.23078
Ingram Creek at River Road	541STC040	ICARR	37.60022	-121.22506
Westley Wasteway near Cox Road	541XWWNCR	WWNCR	37.55822	-121.16372
Del Puerto Creek near Cox Road	541XDPCCR	DPCCR	37.53936	-121.12206
Del Puerto Creek at Hwy 33	541XDPCHW	DPCHW	37.51406	-121.15956
Ramona Lake near Fig Avenue	541XROLFA	ROLFA	37.47875	-121.06839
Marshall Road Drain near River Road	541XMRDRR	MRDRR	37.43631	-121.03617
Orestimba Creek at River Road	541STC019	OCARR	37.41386	-121.01489
Orestimba Creek at Hwy 33	541STC519	OCAHW	37.37717	-121.05856
Blewett Drain near Highway 132	541XVH132	VH132	37.64053	-121.22942
Newman Wasteway near Hills Ferry Road	541XNWHFR	NWHFR	37.32036	-120.98336
San Joaquin River at Lander Avenue**	541MER522	SJRLA	37.29506	-120.85139
Mud Slough u/s San Luis Drain**	541XMSUSL	MSUSL	37.26164	-120.90614
Salt Slough at Lander Avenue**	541MER531	SSALA	37.24797	-120.85225
Salt Slough at Sand Dam	541XSSASD	SSASD	37.13664	-120.76194
Los Banos Creek at Highway 140**	541MER554	LBCHW	37.27619	-120.95547
Los Banos Creek at China Camp Road	541XLBCCC	LBCCC	37.11447	-120.88953
Turner Slough near Edminster Road	541XTSAER	TSAER	37.30411	-120.90083
Poso Slough at Indiana Avenue	541XPSAIA	PSAIA	37.00622	-120.59033
Source Water Sites				
San Joaquin River at Sack Dam	541MAD0007	SJRSD	36.98353	-120.50050
San Joaquin River at PID Pumps	541STC507	SJRPP	37.49739	-121.08267

Delta Mendota Canal at DPWD Turnout	541XDMCDP	DMCDP	37.43678	-121.13347
San Luis Canal Upstream of Splits (Site L2) ***	541MER563	SLCUS	37.092299	-120.822724
Santa Fe Canal Upstream of Splits (Site M2) ***	TBD	SFCUS	37.092283	-120.822975

**Discharge sites that are monitored year-round (both irrigation and non-irrigation season, and two rain events).
 *** Wetlands Supply Channels that are monitored for field parameters, selenium and boron.

PART IV. GROUNDWATER QUALITY MONITORING AND MANAGEMENT PRACTICE ASSESSMENT, AND EVALUATION REQUIREMENTS

B. MANAGEMENT PRACTICE EVALUATION PROGRAM

3. *Report.* Reports of the MPEP must be submitted to the Executive Officer as part of the third-party's Annual Monitoring Report (AMR) ~~or in a separate report due on the same date as the 15 June Semi-Annual Monitoring Report.~~ The report shall include all data¹ (including analytical reports) collected by each phase of the MPEP since the previous report was submitted. The report shall also contain a tabulated summary of data collected to date by the MPEP. The report shall summarize the activities conducted under the MPEP, and identify the number and location of installed monitoring wells relative to each other and other types of monitoring devices. Within each report, the third-party shall evaluate the data and make a determination whether groundwater is being impacted by activities at farms being monitored by the MPEP.

PART V. THIRD-PARTY REPORTING REQUIREMENTS

A. ANNUAL GROUNDWATER MONITORING RESULTS

Annually, in the ~~15 June~~ 30 November AMR, the third-party shall submit the prior year's groundwater monitoring results as an Excel workbook containing an export of all data records uploaded and/or entered into the State Water Board GeoTracker database. If any data are missing from the report, the submittal must include a description of what data are missing and when they will be submitted to the Central Valley Water Board. If data are not loaded into the GeoTracker database, this shall also be noted with the submittal.

B. MONITORING REPORT

~~Semi-Annual Monitoring Reports shall be submitted by 15 June~~ 30 November every year, covering the monitoring period from 1 September through 31 August including two rain events ~~non-irrigation season (1 September-28 February), including any rain events, and by 30 November, covering the irrigation season (1 March-31 August).~~ The first SAMR shall be due ~~15 June 2015~~. The report shall include the following components:

1. Signed Transmittal Letter;
2. Title page;
3. Table of contents;

¹ The data need not be associated with a specific parcel or Member.

4. Executive Summary;
5. Description of the third-party geographical area;
6. Monitoring objectives and design;
7. Sampling site/monitoring well descriptions and rainfall records for the time period covered under the SAMR;
8. Location map(s) of sampling sites/monitoring wells, crops and land uses;
9. Tabulated results of all analyses arranged in tabular form so that the required information is readily discernible;
10. Discussion of data relative to water quality objectives/trigger limits, water quality management plan milestones/Basin Plan Amendment Workplan (BPAW) updates and documented participation in a Board-approved real-time management program*, where applicable;
11. *Electronic data submittal.
12. Sampling and analytical methods used;
13. Associated laboratory and field quality control samples results;
14. Summary of Quality Assurance Evaluation results (as identified in the most recent version of the third-party's approved QAPP for Precision, Accuracy and Completeness);
15. Specification of the method(s) used to obtain estimated flow at each surface water monitoring site during each monitoring event;
16. Summary of exceedances of water quality objectives/trigger limits occurring during the reporting period and surface water related pesticide use information;
17. Actions taken to address water quality exceedances that have occurred, including but not limited to, revised or additional management practices implemented;
18. Evaluation of monitoring data to identify temporal and spatial trends and patterns;
19. *Summary of Nitrogen Management Plan information submitted to the third-party;
20. *Summary of management practice information collected as part of Farm Evaluations;
21. *Summary of mitigation monitoring;
22. Summary of education and outreach activities;
23. Conclusions and recommendations.

* The submittal of electronic data deliverables shall continue on the semi-annual schedule (due by 15 June and 30 November). BPAW updates and components 19, 20, and 21 shall be reported once per year in the 15 June SAMR. Additional requirements and clarifications necessary for the above report components are described below.

Report Component (8) — Location Maps

Location map(s) showing the sampling sites/monitoring wells, crops, and land uses within the third-party's geographic area must be updated (based on available sources of information) and included in the Semi-Annual Monitoring Report. An accompanying GIS shapefile or geodatabase of monitoring site and monitoring well information must include the CEDEN-comparable site code and name (surface water only) and Global Positioning System (GPS) coordinates (surface water sites and wells used for monitoring). The map(s) must contain a level of detail that ensures they are informative and useful. GPS coordinates must be provided as latitude and longitude in the decimal degree coordinate system (at a minimum of five decimal places). The datum must be either WGS 1984 or NAD83, and clearly identified on the

map(s) or in an associated key or table included in the report. The source and date of all data layers must be identified on the map(s) or in an associated key or table included in the report. All data layers/shapefiles/geodatabases included in the map shall be submitted with the initial ~~Semi-Annual~~ Monitoring Report. If changes occur to any submitted data, the updated portion shall be submitted in the subsequent SAMR data submittal.

Report Component (11) – Electronic Data Submittal

The electronic data submittals are due semi-annually on 15 June and 30 November. If any data are missing from the semi-annual data report, the submittal must include a description of what data are missing and when they will be submitted to the Central Valley Water Board. If data are not loaded into the CEDEN comparable database, this shall also be noted with the submittal.

C. Surface Water Exceedance Reports

Surface water exceedances of pesticides or toxicity: When any pesticide or toxicity exceedance is identified at a location that is not under an approved management plan for toxicity or pesticides, follow-up actions must include an investigation of pesticide use within the location's watershed area. The investigation of toxicity exceedances must include all pesticides applied within the area that drains to the monitoring site during the four weeks immediately prior to the exceedance date. The pesticide use information may be acquired from the agricultural commissioner, or from information received from Members within the same drainage area. Results of the pesticide use investigation must be summarized and discussed in the ~~Semi-Annual~~ Monitoring Report.

D. BASIN PLAN AMENDMENT WORKPLAN

Annual updates on progress made toward BPAW goals and milestones, including any proposed adjustments to the time schedule, must be included in the 45 June Semi-30 November Annual Monitoring Report.

APPENDIX MRP-1

PART I. MANAGEMENT PLAN DEVELOPMENT AND REQUIRED COMPONENTS

SECTION F: RECORDS AND REPORTING

With each ~~semi-annual monitoring~~ Monitoring report Report, the third-party must prepare a Management Plan Status Report that summarizes the status in implementing management plans. The Management Plan Status Report must summarize the progress for the reporting period. The Management Plan Status Report shall include the following components: