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.

[Signature]
PAMELA C. CREEDON
Executive Officer

Date 4-15-16

Attachment 1: Revision of Monitoring and Reporting Program Order No. R5-2014-0002-R2
ATTACHMENT 1

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

ATTACHMENT B

PART III. SURFACE WATER QUALITY MONITORING REQUIREMENTS

B. MONITORING LOCATIONS

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

<table>
<thead>
<tr>
<th>Site Name</th>
<th>SWAMP Code</th>
<th>Station Code</th>
<th>Latitude</th>
<th>Longitude</th>
</tr>
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<tbody>
<tr>
<td>Discharge Sites</td>
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<tr>
<td>Hospital Creek at River Road</td>
<td>541XHCARR</td>
<td>HCARR</td>
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<td>Ingram Creek at River Road</td>
<td>541STC040</td>
<td>ICARR</td>
<td>37.56022</td>
<td>-121.22506</td>
</tr>
<tr>
<td>Westley Wasteway near Cox Road</td>
<td>541XWWNCR</td>
<td>WWNCR</td>
<td>37.55822</td>
<td>-121.16372</td>
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<tr>
<td>Del Puerto Creek near Cox Road</td>
<td>541XDPCCR</td>
<td>DPCCR</td>
<td>37.53936</td>
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<tr>
<td>Del Puerto Creek at Hwy 33</td>
<td>541XDPCHW</td>
<td>DPCHW</td>
<td>37.51406</td>
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<td>Ramona Lake near Fig Avenue</td>
<td>541XROLFA</td>
<td>ROLFA</td>
<td>37.47875</td>
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<td>Marshall Road Drain near River Road</td>
<td>541XMORDFR</td>
<td>MRDFR</td>
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<td>Orestimba Creek at River Road</td>
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<td>OCARR</td>
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<td>Orestimba Creek at Hwy 33</td>
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<td>Biewett Drain near Highway 132</td>
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<td>Newman Wasteway near Hills Ferry Road</td>
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<td>San Joaquin River at Lander Avenue**</td>
<td>541MER522</td>
<td>SJRLA</td>
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<td>Mud Slough u/s San Luis Drain**</td>
<td>541XMSUSL</td>
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<td>Salt Slough at Lander Avenue**</td>
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<td>Salt Slough at Sand Dam</td>
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<td>Los Banos Creek at Highway 140**</td>
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<td>Los Banos Creek at China Camp Road</td>
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<td>Turner Slough near Edminster Road</td>
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<td>PSAIA</td>
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<td>Source Water Sites</td>
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<td>San Joaquin River at Sack Dam</td>
<td>541MAD0007</td>
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<td>San Joaquin River at PID Pumps</td>
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<td>SJRPB</td>
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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 data (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 45 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 45 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 45 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;
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 SAMRData 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-aAnnual monitoring 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: