

# California Regional Water Quality Control Board Central Valley Region

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## MANAGEMENT PLAN SCHEDULE MODIFICATION REQUEST – EAST SAN JOAQUIN WATER QUALITY COALITION

Thank you for your letter submitted on 5 June 2009 requesting to modify Management Plan (MPlan) schedules. I approve the Coalition's request to modify the Performance Goal schedule (Attachment, Tables 3 and 4) and the schedule to address the remaining site-subwatersheds (Attachment, Table 5).

Staff met with the Coalition during two MPlan meetings to discuss the rationale for this request, to review the status of MPlan implementation for the current and the next set of high priority site-subwatersheds. The Coalition also provided clarification to the process for management practices tracking and evaluation.

The Coalition has provided information and status on performance goals and proposed tasks for the current and the next high priority site-subwatersheds. For the current high priority site-subwatersheds, 100% of the individual contacts are completed and all individual surveys have been entered in the database. The completion of the individual surveys provided a preliminary baseline for the current management practices. This baseline provided the basis for the type of recommended practices and the associated acreage that potentially might be influenced by the implementation of these management practices. The process to identify, confirm, and track what management practices have been implemented has been described in detail by the Coalition (attachment).

The Coalition has provided the necessary supportive evidence for their request, which includes a description of: (1) status of management plan implementation for the current three and the next four site-subwatersheds and (2) the management practices tracking and evaluation process.

If you have any questions or comments regarding this modification approval, please contact Dania Huggins at (916) 464-4843, or by email at [dhuggins@waterboards.ca.gov](mailto:dhuggins@waterboards.ca.gov).

  
Pamela C. Creedon  
Executive Officer

Enclosure: Coalition Management Plan Status. Attachment (Tables 1, 2, 3, and 4).

## ATTACHMENT: Coalition Management Plan Status

### CURRENT HIGH PRIORITY SITE-SUBWATERSHEDS

Performance Goals (Table 1) have been used to evaluate the Coalition implementation of the focused approach for the first three high priority site-subwatersheds (Table 2). The Coalition provided information on the performance goals status (Table 2). At this time, all remaining tasks and goals are following the modified request schedule (Table 3).

### NEXT SET OF HIGH PRIORITY SITE-SUBWATERSHEDS

The evaluation and creation of a list of potential assessor parcel numbers, which is the basis for developing a list of targeted growers to be contacted and interviewed, has been completed. All growers have been contacted to fill out surveys. All remaining tasks and goals are following the performance goals schedule (Table 4).

### MANAGEMENT PRACTICES TRACKING AND EVALUATION PROCESS

The management practices tracking process has two purposes: (1) to confirm and track what management practices have been implemented, and (2) to provide the grower with a second opportunity (if the recommended practices were not already implemented) to implement changes during the upcoming irrigation season.

The Coalition has described the management practices tracking process as follows:

1. Contact growers by mailings and/or phone calls to set up individual meetings (October through March = Year 0 and Year 1).
2. Complete all surveys and enter them into a database (by the end of August = Year 1).
3. Expect that growers who filled out surveys early would be able to implement management practices (non-structural) as soon as it is applicable (first irrigation season and storm season = Year 1).
4. Expect that growers who filled out surveys late (close to irrigation season) and/or growers with plans to implement long term structural BMPs, will implement management practices in the next irrigation and/or storm season (second irrigation/storm season = Year 2). Some structural BMPs will take additional years to implement and will require additional tracking.
5. Contact growers that filled out surveys after the first irrigation season to determine what practices were implemented during the first irrigation year (February through April = Year 2).
6. Contact growers who have not already been contacted or have indicated that they have not yet implemented practices during the first year to determine what practices were implemented during the dormant season and/or the second irrigation year (February through April = Year 3).

The process for evaluating management practices is connected to the tracking process previously described. Therefore, the success and output of the evaluation is dependent on the success and output of implementation and tracking. Water quality monitoring will be done in year 1 and year 2 for high priority constituents during months in which past exceedances have occurred. The effectiveness of the management practices will be determined through the monitoring of water quality in the years following implementation.

**Table 1. Performance Goals and Performance Measures for the first three high priority areas**

PERFORMANCE GOAL	PERFORMANCE MEASURE
1. Individually contact members on adjacent properties to waterways where discharges have been identified during winter 2008/2009.	1.1 – 100% of targeted growers contacted.
	1.2 – Contact owners/operators representing at least 1,000 acre of membership acreage in the site subwatershed.
2. Establish current practices by August 2009, on adjacent properties to waterways or where discharges are identified.	2.1 – Obtain current management practice information from 100% of targeted growers.
	2.2 – Document current management practices of the targeted growers during individual contacts and encourage the adoption of new practices not currently implemented.
	2.3 – Document management practices targeted grower was encouraged to implement.
3. Encourage growers to implement additional management practices based on water quality results.	3.1 – By February 2011, document additional management practices implemented by targeted growers.
4. Evaluate effectiveness of the new management practices implemented during 2009 and 2010.	4.1 – Assess water quality results from Coalition monitoring location within the priority site subwatershed.
5. Consult with CVRWQCB at least once during 2008/2009 to discuss Management Plan activities and consider if changes need to be made in Management Plan strategy for high priority waterbodies.	No associated performance measure.

**Table 2. Coalition status on first three high priority areas as of 1 April 2010**

Performance (PG) Goals and Performance Measures (PM)	High Priority Site-Subwatersheds					
	Dry Creek @ Wellsford Rd		Duck Slough @ Hwy 99		Prairie Flower Drain @ Crows Landing Rd	
Performance Goal 1	Completed		Completed		Completed	
Ratio of individual contacts vs total growers identified	22 / 22	100 %	24 / 24	100 %	11 / 11	100 %
Ratio of acreage represented by individual contacts vs total subwatershed acreage	6,116 / 68,620	9% <sup>(1)</sup>	4,016 / 17,559	23% <sup>(1)</sup>	865 / 3,106	28% <sup>(1)</sup>
Performance Goal 2	Completed		Completed		Completed	
Completed individual contact checklists recorded in an Access database.	22 / 22	100%	24 / 24	100%	11 / 11	100%
Record of management practices used that may reduce agricultural impact on water quality.	22 / 22	100%	24 / 24	100%	11 / 11	100%
Summary of management practice evaluations on a site subwatershed level in the Management Plan update (April 2010).	Annual MPUR 2010 <sup>(2)</sup>		Annual MPUR 2010 <sup>(2)</sup>		Annual MPUR 2010 <sup>(2)</sup>	
Performance Goal 3	Annual MPUR 2010/2011 <sup>(3)</sup>		Annual MPUR 2010/2011 <sup>(3)</sup>		Annual MPUR 2010/2011 <sup>(3)</sup>	
Summary of management practices implemented as a result of individual contacts.	12 / 22	55%	12 / 24	50%	6 / 11	55%
Performance Goal 4	Annual MPUR 2010/2011 <sup>(2)</sup>		Annual MPUR 2010/2011 <sup>(2)</sup>		Annual MPUR 2010/2011 <sup>(2)</sup>	
Summary of 2009 and 2010 water quality data (April 2010 and 2011).	2009 Summary Complete (April 1, 2010)		2009 Summary Complete (April 1, 2010)		2009 Summary Complete (April 1, 2010)	

(1) Percentage of acreage represented by individual contacts from the total subwatershed acreage. PM 1.2 was attained 100%

(2) Submitted in 1 April 2010 Annual Management Plan Update Report (Annual MPUR)

(3) Complete information to be submitted in 2010 and 2011 Management Plan Update Reports

**Table 3.** Coalition proposed modifications to the Performance Goals' schedule for the first three high priority areas.

Performance (PG) Goals and Performance Measures (PM)	High Priority Site-Subwatersheds					
	Dry Creek @ Wellsford Rd		Duck Slough @ Hwy 99		Prairie Flower Drain @ Crows Landing Rd	
	Original Schedule	Status / New Date	Original Schedule <sup>(1)</sup>	Status / New Date	Original Schedule	Status / New Date
Performance Goal 1	Dec 2008 – Jan 2009	Feb 2009 – Aug 15, 2009	Jan 2009 – March 2009	Feb 2009 – Sep 30, 2009	Feb 2009 – April 2009	Feb 2009– Sep 30, 2009
PM 1.1		Completed Aug 15, 2009		Completed Sep 30, 2009		Completed Sep 30, 2009
PM 1.2		Completed Aug 15, 2009		Completed Sep 30, 2009		Completed Sep 30, 2009
Performance Goal 2	April 2009	Sep 30, 2009		Feb 2009 – Sep 30, 2009		Feb 2009 – Sep 30, 2009
PM 2.1		Completed Sep 30, 2009		Completed Sep 30, 2009		Completed Sep 30, 2009
PM 2.2		Completed Sep 30, 2009		Completed Sep 30, 2009		Completed Sep 30, 2009
PM 2.3		Completed Sep 30, 2009		Completed Sep 30, 2009		Completed Sep 30, 2009
Performance Goal 3	April 2009 – Feb 2010	Oct 2009 – April 2010	April 2009 – Feb 2010	Oct 2009 – April 2011	April 2009 – Feb 2010	Oct 2009 – April 2011
PM 3.1	Oct 2009 - Feb 2010	MPUR April 2010 MPUR April 2011 (2)	Oct 2009 - Feb 2010	MPUR April 2010 MPUR April 2011	Oct 2009 - Feb 2011	MPUR April 2010 MPUR April 2011
Performance Goal 4	April 2009 – Feb 2010	April 2009 - Feb 2011	April 2009 – Feb 2010	April 2009 - Feb 2011	April 2009 - Feb 2010	April 2009 - Feb 2011
PM 4.1		MPUR April 2010 MPUR April 2011		MPUR April 2010 MPUR April 2011		MPUR April 2010 MPUR April 2011

(1) No schedule for Performance Goals were originally submitted for Duck Slough or Prairie Flower; only Dry Creek. Some dates can be inferred from the Management Plan tracking schedule.

(2) To be submitted in 2010 and 2011 Management Plan Update Reports (final completion date scheduled for February 2011, PM 3.1).

**Table 4. Performance Goals and measures for the next set of high priority site-subwatersheds**

Performance Goal/Performance Measure	Outputs	Completion Date			
		Cottonwo od Creek @ Hwy 145	Highline Canal @ Hwy 99	Duck Slough @ Hwy 99	Bear Creek @ Kibby Rd
<b>Performance Goal 1: Individually contact members on adjacent properties to waterways where discharges have been identified to fill out surveys.</b>					
Performance Measure 1.1 – 100% of identified growers contacted to fill out surveys.	Report ratio of individual initial contacts made versus total growers identified to contact.	May 30, 2010	May 30, 2010	May 30, 2010	May 30, 2010
Performance Measure 1.2 – Contact owners/operators representing at least 1,000 acre of membership acreage in the site subwatershed (if subwatershed is greater than 800 acres).	Report ratio of acreage represented by individual contacts versus subwatershed acreage determined to have direct drainage.	Quarterly <sup>1</sup>	Quarterly <sup>1</sup>	Quarterly <sup>1</sup>	Quarterly <sup>1</sup>
<b>Performance Goal 2: Establish current practices (beyond established baseline practices) on adjacent properties to waterways or where discharges are identified.</b>					
Performance Measure 2.1 – Document current management practices of 100% of identified growers during individual contacts and encourage the adoption of new practices not currently implemented.	Record in an Access database current management practices used that may reduce agricultural impact on water quality.	July 30, 2010	July 30, 2010	July 30, 2010	July 30, 2010
Performance Measure 2.2 – Document management practices that the identified grower were encouraged to implement.	Summary of management practice evaluations on a site subwatershed level in the Management Plan Update Report. <sup>2</sup>	Aug 30, 2010	Aug 30, 2010	Aug 30, 2010	Aug 30, 2010
<b>Performance Goal 3: Encourage growers to implement additional management practices based on water quality results.</b>					
Performance Measure 3.1 – Document (e.g. assess number/type) new management practices implemented by identified growers.	Record implemented management practices in an Access database. Summary of management practices implemented as a result of individual contacts.	Feb 28, 2011* April 1, 2011 April 1, 2012			
<b>Performance Goal 4: Evaluate effectiveness of the new management practices implemented during years that site is high priority.</b>					
Performance Measure 4.1 Update – Assess water quality results from Coalition monitoring location within the priority site subwatershed.	Summary of water quality data from management plan monitoring.	April 1, 2011 April 1, 2012			
<b>Performance Goal 5: Consult with CVRWQCB at least once during 2009/2010 to discuss Management Plan activities and consider if changes need to be made in Management Plan strategy for High Priority waterbodies.</b>					

\*Contacts with growers to determine implemented practices will occur between February 1 and April 30; all information obtained by February 28th will be entered into an Access database and included in the following April 1 Management Plan Update Report; any additional information will be reported on during the quarterly meetings.

<sup>1</sup>Ratios were reported in the 1 April 2010 MPUR.

<sup>2</sup> Summary of management practice evaluations will be provided in 1 April 2011 Annual MPUR

**Table 5.** Proposed schedule to address each site-subwatershed with a focused Management Plan approach

SITE NO.	SITE SUBWATERSHED NAME	ORIGINAL SCHEDULE FOR FOCUSED APPROACH	YEAR FOR FOCUSED APPROACH
1	Dry Creek @ Wellsford Rd	2008-2010	2008-2010
2	Duck Slough @ Hwy 99	2008-2010	2008-2010
3	Prairie Flower Drain @ Crows Landing Rd	2008-2010	2008-2010
4	Cottonwood Creek @ Rd 20	2009-2011	2010-2012
5	Duck Slough @ Gurr Rd	2009-2011	2010-2012
6	Highline Canal @ Hwy 99	2009-2011	2010-2012
7	Bear Creek @ Kibby Rd	2011-2013	2010-2012
8	Ash Slough @ Ave 21	2010-2012	2011-2013
9	Berenda Slough along Ave 18 1/2	2010-2012	2011-2013
10	Dry Creek @ Rd 18	2010-2012	2011-2013
11	Livingston Drain @ Robin Ave	2010-2012	2011-2013
12	Hilmar Drain @ Central Ave	2009-2011	2012-2014
13	Black Rascal Creek @ Yosemite Rd	2011-2013	2012-2014
14	Deadman Creek @ Hwy 59	2011-2013	2012-2014
15	Deadman Creek (Dutchman) @ Gurr Rd	2011-2013	2012-2014
16	Hatch Drain @ Tuolumne Rd	2012-2014	2013-2015
17	Highline Canal @ Lombardy Rd	2012-2014	2013-2015
18	Merced River @ Santa Fe	2012-2014	2013-2015
19	Miles Creek @ Reilly Rd	2012-2014	2013-2015
20	Mustang Creek @ East Ave	2013-2015	2014-2016
21	Silva Drain @ Meadow Dr	2013-2015	2014-2016
22	South Slough @ Quinley Rd	2013-2015	2014-2016
23	Westport Drain @ Vivian Rd	2013-2015	2014-2016
	<b>Re-evaluate All Site Subwatersheds and Revise Schedule as needed</b>	<b>Annually</b>	<b>Annually</b>