



Central Valley Regional Water Quality Control Board

8 April 2014

Mr. Mark McKean Kings River Watershed Coalition Authority P.O. Box 8259 Fresno, California 93747

PROPOSED FARM EVALUATION TEMPLATE UNDER GENERAL ORDER R5-2013-0120

Waste Discharge Requirements for Growers within the Tulare Lake Basin Area that are Members of a Third-Party Group, General Order No. R5-2013-0120 (General Order) requires that all third-party members (Members) complete a farm evaluation describing management practices implemented to protect surface water and groundwater quality. Members' Farm Evaluations must be completed and submitted to the Kings River Watershed Coalition Authority (Coalition) in accordance with Section VII.B of the General Order.

A Farm Evaluation template must be used to comply with the requirements of the General Order. The purposes of using a template are to collect information consistently across irrigated agricultural areas and commodities, and to minimize the costs for growers to provide that information. The Kings River Watershed Coalition Authority and commodity groups in the Tulare Lake Basin Area have worked with the East San Joaquin Water Quality Coalition to develop templates to satisfy the requirements of General Order R5-2012-0116-R1. However, the Central Valley Water Board recognizes that templates may require modifications for different geographic areas, and is hereby providing the Coalition and other interested parties with thirty days to comment on the proposed Farm Evaluation template.

Comments on the proposed Farm Evaluation template's applicability to the Kings River Watershed Coalition Authority area must be submitted by 8 May 2014 to be considered prior to the Executive Officer providing the final template to the Coalition. Comments may be submitted to dsholes@waterboards.ca.gov or hard copy to: Central Valley Regional Water Quality Control Board, Attn: David Sholes, 1685 E Street, Fresno, CA 93706. If you have questions regarding this letter, please contact David Sholes at (559) 445-6279, or by e-mail at dsholes@waterboards.ca.gov.

Original signed by Clay L Rodgers, for

Pamela C. Creedon Executive Officer

Enclosures: Proposed Farm Evaluation Templates

KARL E. LONGLEY ScD, P.E., CHAIR | PAMELA C. CREEDON P.E., BCEE, EXECUTIVE OFFICER

Proposed Template for Farm Evaluation Survey Overall Instructions

There are four, one-page "parts" of the Farm Evaluation Survey to complete, and Farm Maps that will help you identify parcel numbers and field IDs and where you will mark the location of active and abandoned wells:

- Part A: Whole Farm Evaluation; complete only once (1 page).
- Part B: Field Specific Evaluation; complete one page for each field or management unit.
- Part C: Irrigation Well information; complete one page for each membership or farm.
- Part D: Sediment and Erosion Control Practices; complete one page for each field or management unit.
- Part E: Farm Map(s); identify the location of wells listed in Part C and keep on farm.

You may need to make copies of Parts B, C and D of the survey and complete separate surveys for each of your fields that are managed differently or have different crops. See detailed instructions on the following pages.

If all parcels/fields listed have the same practices, fill out one (1) survey for all enrolled parcels and return. Check the corresponding box(es) on the far left column to indicate the field(s) covered by the answers.

If parcels/fields have <u>different practices</u>, <u>make copies of the survey</u> and fill out one (1) survey for <u>each</u> parcel/field with different practices.

When copies are made, check the box next to the parcel(s) and Field ID(s) that the survey responses apply to.

For example, if a member has 3 parcels enrolled with one crop grown (Parcel A, B and C) and he manages Parcel A and B the same, he can fill out one survey for Parcels A and B. Another survey needs to be filled out for Parcel C to record the crops or practices that differ from A and B.

Step by Step Instructions

The Farm Evaluation has 5 components:

Part A: Whole Farm Evaluation

Part B: Specific Field Evaluation

Part C: Irrigation Well Information

Part D: Sediment & Erosion Control Practices

Part E: Farm Map(s)

Step 1: Part A: answer Questions 1 – 3 for all enrolled parcels.

Step 2: Part B, question 1: check the parcels that the survey applies to by putting a check in the left hand box. Use the attached farm map(s) to help identify parcel numbers including Field IDs. This information corresponds to the map(s) in Part E. Fill in any missing information. Remember to fill out a survey for each of your enrolled parcels.

Step 3: Part B: Answer questions 2 – 4 for parcels that **you identified** at the top of the page by checking the box next to the parcel. If parcels or fields differ in their practices, you must make a copy of the page to answer questions for parcels/fields differently.

Step 4: Part C: Answer Questions 1 and 2 pertaining to irrigation well information. Give each well a unique identifier (Well ID) and list that in column 1. Use the Well ID to link the well management practices to the wells identified on the map. Also identify the location of both active and abandoned wells on the map. Transfer that identifier to the Farm Map (Part E) and keep the map in your files (do not return to the Coalition). The map with well identifiers must be produced if you ever have a Regional Water Board compliance inspection.

Step 5: Part D: Answer questions as you did in Part B in reference to parcels that **you identify** at the top of the page by checking the box next to the parcel. *If parcels or fields differ in their practices you must make a copy of the page to answer questions for parcels/fields differently.* Make sure you check off which parcels your answers apply to.

Step 6: Review the Farm Map of your enrolled parcels (those that were checked in **Step 2**) and make any necessary changes to the boundaries. For example, a parcel may be enrolled and assigned to a member; however the acreage enrolled is only part of the entire parcel. If you need to update the parcel boundaries, return a copy of the updated map to the Coalition with your Farm Evaluation so the information is linked to the correct piece of land.

Step 8: Sign the bottom of Part A to certify that all of the information provided is current and accurate. Return to the Coalition the signed Farm Evaluation (Part A – Part D) and map(s) (Part E, if updated with parcel / field ID information).

Part A – Whole Farm Evaluation

Member N	ame: _		Coalition Member ID#:				
1.	Pestici	ide Application Practices (chec	k all that ap	oply)			
		County Permit Followed		Monitor Wind Conditions			
		Follow Label Restrictions		Use Appropriate Buffer Zones			
		Sensitive Areas Mapped		Use Vegetated Drain Ditches			
		Attend Trainings		Monitor Rain Forecasts			
		End of Row Shutoff When Spray	ring \square	Use PCA Recommendations			
		Avoid Surface Water When Spra	oraying \Box	Chemigation			
		Reapply Rinsate to Treated Field		No Pesticides Applied			
		Target Sensing Sprayer used		Other			
		Use Drift Control Agents		Other			
		lo you have help develop your o	crop nutrier	nt application plan?			
		Certified Crop Advisor (CCA)		Independently Prepared by Member			
		Pest Control Advisor (PCA)		UC Farm Advisor			
		Certified Technical Service Providers by NRCS		None of the above			
		D 6 1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
3.	Does	your farm have the potential to	discharge	sediment to off-farm surface waters?			
	(Cir	rcle one) Yes No					
4.	Compl	lete Part D on sediment and erc	osion contro	ol practices used on farm field(s).			
with a system submitted. Ba the information	n designe ased on r on, the int	ed to assure that qualified personnel or re my inquiry of the person or persons who formation submitted is, to the best of my	epresented Mer manage the sys knowledge and	pared under my direction or supervision in accordance inbers properly gather and evaluate the information stem, or those persons directly responsible for gathering I belief, true, accurate, and complete. I am aware that ding the possibility of fine and imprisonment for violation			
Signature		Printed Name					

Part B – Field Specific Evaluation

Me	mber Na	ame: _				Coalition Mem	ber ID#:				
1.	below. Fill out a separate survey for parcels/fields with different practices.										
	SW High Vulnerability is when a parcel is within an area covered by a Surface Water										
		Management Plan.									
	<u> </u>	GW High Vulnerability is areas having potential for groundwater contamination. See enclosed material for more information on vulnerability.									
			000 01101000	a mateman for me	5,01	monnation on ve	an ror domey.				
	¥	High Vu SW	ılnerability GW	Parcel (APN)		Field ID	Acres	Crop			
											
											
											
2.	Irrigation Practices (A secondary system cooling, etc.) Primary (check one) Drip				econdary (if apı Drip	plicable, check					
			Sprinkler			Micro Sprinklei	ſ				
		Furrov				Furrow					
		Sprink				Sprinkler					
		Bordei Flood	Suip			Border Strip Flood					
3	Irrigatio		ency Prac	tices (check all							
•	J		-	area (orrean am	_		lautus a Dash s				
			Leveling	r Paratatan		Soil Moisture N Pressure Bomb					
				duling irrigations							
		need	application	scheduled to							
	П		moisture pi	robe							
4.	_		•		ize	Leaching Past t	the Root Zone (d	check all that apply)			
		Cover (Crops			Irrigation Water	r N Testing				
			rtilizer App	lications		Fertigation					
		Soil Tes				Other					
		Tissue/	Petiole Tes	ting							
		Variable	e Rate App	lications using G	PS						
		Foliar N	l Applicatio	n							

Part C – Irrigation Well Information

- 1. Do you have any wells on parcels associated with this Farm Evaluation? Circle one: Yes No
- 2. Are you aware of any known abandoned wells associated with this Farm Evaluation? Circle one: Yes No
- 3. For each well, mark the location on the attached map(s) or your own farm map with a unique Well ID of your choice and fill in the following table. Be sure to fill in the table with the Well ID that corresponds to the map and put an "X" next to the practices that apply to the individual well. For abandoned wells, indicate the year the well was abandoned (write "Unk" if the year is unknown; approximation is ok) and mark how the well was abandoned:

	Wellhead Protection					Abandoned Wells			
Well ID	Ground Sloped Away from Wellhead	Standing water avoided around wellhead	Good "Housekeeping" Practices*	Air Gap (for non- pressurized systems	Backflow Preventive / Check Valve	If abandoned, year abandoned	Destroyed – certified by county	Destroyed by licensed professional	Destroyed - Unknown method

Good housekeeping practices include keeping the area surrounding the wellhead clean of trash, debris and any empty containers.
Comments:

Part D - Sediment and Erosion Control Practices

Μe	mber N	lame: _			Coalition Member ID#:				
1.		-		Fields that this su e survey for parc	• • •	•	oox in the first column		
		High Vulnerability SW GW		Parcel (APN)	Field ID	Acres	Crop		
					_				
	П								
	П								
	П		П						
	П	П	П						
									
2.	<u>Irriga</u>	tion Pra	ctices for	Managing Sedi	ment and Erosi	on			
 In-furrow dams are used to increase infiltration and settling out of sediment prior to entering the The time between pesticide applications and the next irrigation is lengthened as much as possil 						•			
			sticide residu		Tille flext irrigation i	s lengthened as mu	ich as possible to miligate		
		orter irrigation runs are used with checks to manage and capture flows.							
☐ PAM (polyacrylamide) used in furrow and flood irrigated fields to help bind sediment a						t and increase infiltration.			
☐ Use drip or micro-irrigation to eliminate irrigation drainage.									
		se of flow	dissipaters t	o minimize erosion a	at discharge point.				
☐ Tailwater Return System.									
		atchment							
	□ No	o irrigation	n drainage di	ue to field or soil con	nditions.				
2	CI4	val Dvaa	tione for I	Managing Cadim	sout and Frasia	_			
3.	Cuitu	rai Prac	tices for i	Managing Sedim	ient and Erosio	n			
	□ St	orm water	r is captured	using field borders.					
		□ Vegetated ditches are used to remove sediment as well as water soluble pesticides, phosphate fertilizers and							
	some forms of nitrogen.								
 Vegetative filter strips and buffers are used to capture flows. Sediment basins / holding ponds are used to settle out sediment and hydrophobic pesticides such as p from irrigation and storm runoff. Cover crops or native vegetation are used to reduce erosion. 						nesticides such as nyrethroids			
						ootioidoo odon do pyrotinioide			
	□ He	edgerows	or trees are	used to help stabiliz	e soils and trap sed	liment movement.			
		Soil water penetration has been increased through the use of amendments, deep ripping and/or aeration.							
	\square Crop rows are graded, directed and at a length that will optimize the use of rain and irrigation water.						I irrigation water.		
				n banks have been s					
				e used to channel ru					
				at low ends of fields	•	d trap sediment.			
				rated to minimize ero	osion.				
				unding terrain.					
	_	o storm dr	ainage due t	to field or soil conditi	ions.				

Part E – Farm Map
(Keep Onsite- For Inspection Purposes Only)
Update map with well locations and surface water discharge points.

Legend X – In Use Well Locations A – Known Abandoned Well Locations DP – Off Farm Surface Water Discharge Points