Step 5: Implement Required Management Practices for the Arroyo Simi Responsibility Area

Growers must implement required Management Practices (MPs) and consider additional MPs to address water quality issues listed in **Table 2**. **Table 5** summarizes required MPs and provides recommendations for additional or expanded MPs on your farm.

Table 5. MP Implementation Requirements and Recommendations

Water Quality Issues			MPs	Implemented?
Nutrients	Legacy Pesticides	Current Use Pesticides		
Wet Weather	Wet Weather	Wet Weather		
Required for all agricultural operations in RA				
X			Develop a certified Irrigation and Nutrient Management Plan (INMP) for each management unit on the property.	☐
Additional MP Recommendations				
			Source Control MPs	
X			Conduct soil residual nitrate tests and use results to adjust fertilizer application	☐
X			Conduct leaf/petiole tests and use results to apply the minimum necessary amount of fertilizer	☐
X			Analyze irrigation water nitrate and use results to adjust fertilizer application	☐
		X	Use a pest control advisor (PCA) or certified qualified applicator for pesticide management decisions	☐
		X	Implement an integrated pest management plan	☐

Water Quality Issues			MPs	Implemented?
Nutrients	Legacy Pesticides	Current Use Pesticides		
Wet Weather	Wet Weather	Wet Weather		
			Structural MPs	
X	X	X	Reduce bare soil in production area with cover crops, gravel, mulch, etc.	☐
X	X	X	Minimize erosion on sloped areas with contour farming, contoured buffer strips, or terracing (sloped acres with erosion control/total sloped acres)	☐
X	X	X	Minimize bare soil in non-cropped areas by using vegetation, mulch, or gravel	☐
X	X	X	Protect ditches from erosion using vegetation, rock placement or geotextiles, or wattles placed at intervals	☐
X	X	X	Use grassed waterways	☐
X	X	X	Use vegetated filter strips	☐
X	X	X	Runoff is treated with detention/sediment basins	☐
X	X	X	Runoff is treated with retention basins	☐
X	X	X	Runoff is treated with bioreactor	☐
X	X	X	Runoff is treated with constructed wetlands	☐

Step 5: Implement Required Management Practices for the Upper Conejo Responsibility Area

Growers must implement required Management Practices (MPs) and consider additional MPs to address water quality issues listed in **Table 2**. **Table 5** summarizes required MPs and provides recommendations for additional or expanded MPs on your farm.

Table 5. MP Implementation Requirements and Recommendations

Water Quality Issues			MPs	Implemented?
Nutrients	Legacy Pesticides	Current Use Pesticides		
Wet Weather	Wet Weather	Wet Weather		
Required for all agricultural operations in RA				
X			Develop a certified Irrigation and Nutrient Management Plan (INMP) for each management unit on the property.	☐
Additional MP Recommendations				
			Source Control MPs	
X			Conduct soil residual nitrate tests and use results to adjust fertilizer application	☐
X			Conduct leaf/petiole tests and use results to apply the minimum necessary amount of fertilizer	☐
			Structural MPs	
X	X	X	Reduce bare soil in production area with cover crops, gravel, mulch, etc.	☐
X	X	X	Minimize erosion on sloped areas with contour farming, contoured buffer strips, or terracing (sloped acres with erosion control/total sloped acres)	☐
X	X	X	Minimize bare soil in non-cropped areas by using vegetation, mulch, or gravel	☐

Water Quality Issues			MPs	Implemented?
Nutrients	Legacy Pesticides	Current Use Pesticides		
Wet Weather	Wet Weather	Wet Weather		
X	X	X	Protect ditches from erosion using vegetation, rock placement or geotextiles, or wattles placed at intervals	☐
X	X	X	Use grassed waterways	☐
X	X	X	Use vegetated filter strips	☐
X	X	X	Runoff is treated with detention/sediment basins	☐
X	X	X	Runoff is treated with retention basins	☐
X	X	X	Runoff is treated with bioreactor	☐
X	X	X	Runoff is treated with constructed wetlands	☐

Step 5: Implement Required Management Practices for the Lower Conejo Responsibility Area

Growers must implement required Management Practices (MPs) and consider additional MPs to address water quality issues listed in **Table 2**. **Table 5** summarizes required MPs and provides recommendations for additional or expanded MPs on your farm.

Table 5. MP Implementation Requirements and Recommendations

Water Quality Issues			MPs	Implemented?
Nutrients	Legacy Pesticides	Current Use Pesticides		
Wet Weather	Wet Weather	Wet Weather		
Required for all agricultural operations in RA				
X			Develop a certified Irrigation and Nutrient Management Plan (INMP) for each management unit on the property.	☐
Additional MP Recommendations				
			Source Control MPs	
X			Conduct soil residual nitrate tests and use results to adjust fertilizer application	☐
X			Conduct leaf/petiole tests and use results to apply the minimum necessary amount of fertilizer	☐
		X	Use a pest control advisor (PCA) or certified qualified applicator for pesticide management decisions	☐
		X	Implement an integrated pest management plan	☐
			Structural MPs	
X	X	X	Reduce bare soil in production area with cover crops, gravel, mulch, etc.	☐
X	X	X	Minimize erosion on sloped areas with contour farming, contoured buffer strips, or terracing (sloped acres with erosion control/total sloped acres)	☐

Water Quality Issues			MPs	Implemented?
Nutrients	Legacy Pesticides	Current Use Pesticides		
Wet Weather	Wet Weather	Wet Weather		
X	X	X	Minimize bare soil in non-cropped areas by using vegetation, mulch, or gravel	☐
X	X	X	Protect ditches from erosion using vegetation, rock placement or geotextiles, or wattles placed at intervals	☐
X	X	X	Use grassed waterways	☐
X	X	X	Use vegetated filter strips	☐
X	X	X	Runoff is treated with detention/sediment basins	☐
X	X	X	Runoff is treated with retention basins	☐
X	X	X	Runoff is treated with bioreactor	☐
X	X	X	Runoff is treated with constructed wetlands	☐

Step 5: Implement Required Management Practices for the Calleguas-Howard Responsibility Area

Growers must implement required Management Practices (MPs) and consider additional MPs to address water quality issues listed in **Table 2**. **Table 5** summarizes required MPs and provides recommendations for additional or expanded MPs on your farm.

Table 5. MP Implementation Requirements and Recommendations

Water Quality Issues												MPs	Implemented?
Nutrients		Metals		Legacy Pesticides		Current Use Pesticides		Salts		Toxicity			
Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry	Wet		
Required for all agricultural operations in RA													
X	X									X	X	Develop a certified Irrigation and Nutrient Management Plan (INMP) for each management unit on the property.	☐
Additional MP Recommendations													
												Source Control MPs	
X		X		X		X		X		X		Use efficient irrigation systems (drip only, micro-sprinkler then drip, and micro-sprinkler)	☐
X		X		X		X		X		X		Test irrigation system for distribution uniformity by monitoring water delivery or pressure differences by block at least every 3 years.	☐

Water Quality Issues												MPs	Implemented?
Nutrients		Metals		Legacy Pesticides		Current Use Pesticides		Salts		Toxicity			
Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry	Wet		
X		X				X		X		X		Implement irrigation practices that are based on soil moisture measurements and/or crop evapotranspiration	☐
X								X		X		Use soil solution electrical conductivity measurements to determine when salt leaching is necessary	☐
X	X									X	X	Conduct soil residual nitrate tests and use results to adjust fertilizer application	☐
X	X									X	X	Conduct leaf/petiole tests and use results to apply the minimum necessary amount of fertilizer	☐
X	X									X	X	Analyze irrigation water nitrate and use results to adjust fertilizer application	☐
						X	X			X	X	Use a pest control advisor (PCA) or certified qualified applicator for pesticide management decisions	☐
		X	X			X	X			X	X	Implement an integrated pest management plan	☐
X		X		X		X		X		X	X	Avoid/prevent irrigation runoff	☐
												Structural MPs	
X	X	X	X	X	X	X	X			X	X	Reduce bare soil in production area with cover crops, gravel, mulch, etc.	☐

Water Quality Issues												MPs	Implemented?
Nutrients		Metals		Legacy Pesticides		Current Use Pesticides		Salts		Toxicity			
Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry	Wet		
X	X	X	X	X	X	X	X			X	X	Minimize erosion on sloped areas with contour farming, contoured buffer strips, or terracing (sloped acres with erosion control/total sloped acres)	☐
	X		X		X		X			X	X	Minimize bare soil in non-cropped areas by using vegetation, mulch, or gravel	☐
X	X	X	X	X	X	X	X			X	X	Protect ditches from erosion using vegetation, rock placement or geotextiles, or wattles placed at intervals	☐
X	X	X	X	X	X	X	X	X	X	X	X	Use grassed waterways	☐
X	X	X	X	X	X	X	X	X	X	X	X	Use vegetated filter strips	☐
X	X	X	X	X	X	X	X	X	X	X	X	Runoff is treated with detention/sediment basins	☐
X	X	X	X	X	X	X	X	X	X	X	X	Runoff is treated with retention basins	☐
X	X	X	X	X	X	X	X	X	X	X	X	Runoff is treated with bioreactor	☐
X	X	X	X	X	X	X	X	X	X	X	X	Runoff is treated with constructed wetlands	☐

Step 5: Implement Required Management Practices for the Lower Las Posas Responsibility Area

Growers must implement required Management Practices (MPs) and consider additional MPs to address water quality issues listed in **Table 2**. **Table 5** summarizes required MPs and provides recommendations for additional or expanded MPs on your farm.

Table 5. MP Implementation Requirements and Recommendations

Water Quality Issues		MPs	Implemented?
Nutrients	Legacy Pesticides		
Wet Weather	Wet Weather		
Required for all agricultural operations in RA			
X		Develop a certified Irrigation and Nutrient Management Plan (INMP) for each management unit on the property.	☐
Additional MP Recommendations			
		Source Control MPs	
X		Conduct leaf/petiole tests and use results to apply the minimum necessary amount of fertilizer	☐
		Structural MPs	
X	X	Reduce bare soil in production area with cover crops, gravel, mulch, etc.	☐
X	X	Minimize erosion on sloped areas with contour farming, contoured buffer strips, or terracing (sloped acres with erosion control/total sloped acres)	☐
X	X	Minimize bare soil in non-cropped areas by using vegetation, mulch, or gravel	☒
X	X	Protect ditches from erosion using vegetation, rock placement or geotextiles, or wattles placed at intervals	☐
X	X	Use grassed waterways	☐

Water Quality Issues		MPs	Implemented?
Nutrients	Legacy Pesticides		
Wet Weather	Wet Weather		
X	X	Use vegetated filter strips	☐
X	X	Runoff is treated with detention/sediment basins	☐
X	X	Runoff is treated with retention basins	☐
X	X	Runoff is treated with bioreactor	☐
X	X	Runoff is treated with constructed wetlands	☐

Step 5: Implement Required Management Practices for the Calleguas-CSU Responsibility Area

Growers must implement required Management Practices (MPs) and consider additional MPs to address water quality issues listed in **Table 2**. **Table 5** summarizes required MPs and provides recommendations for additional or expanded MPs on your farm.

Table 5. MP Implementation Requirements and Recommendations

Water Quality Issues												MPs	Implemented?
Nutrients		Metals		Legacy Pesticides		Current Use Pesticides		Salts		Toxicity			
Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry	Wet		
Required for all agricultural operations in RA													
X	X									X	X	Develop a certified Irrigation and Nutrient Management Plan (INMP) for each management unit on the property.	☐
Additional MP Recommendations													
												Source Control MPs	
X		X		X		X		X		X		Use efficient irrigation systems (drip only, micro-sprinkler then drip, and micro-sprinkler)	☐
X		X		X		X		X		X		Test irrigation system for distribution uniformity by monitoring water delivery or pressure differences by block at least every 3 years.	☐
X		X				X		X		X		Implement irrigation practices that are based on soil moisture measurements and/or crop evapotranspiration	☐

Water Quality Issues												MPs	Implemented?
Nutrients		Metals		Legacy Pesticides		Current Use Pesticides		Salts		Toxicity			
Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry	Wet		
X								X		X		Use soil solution electrical conductivity measurements to determine when salt leaching is necessary	☐
X	X									X	X	Conduct soil residual nitrate tests and use results to adjust fertilizer application	☐
X	X									X	X	Conduct leaf/petiole tests and use results to apply the minimum necessary amount of fertilizer	☐
X	X									X	X	Analyze irrigation water nitrate and use results to adjust fertilizer application	☐
						X	X			X	X	Use a pest control advisor (PCA) or certified qualified applicator for pesticide management decisions	☐
		X	X			X	X			X	X	Implement an integrated pest management plan	☐
X		X		X		X		X		X	X	Avoid/prevent irrigation runoff	☐
												Structural MPs	
X	X	X	X	X	X	X	X			X	X	Reduce bare soil in production area with cover crops, gravel, mulch, etc.	☐
X	X	X	X	X	X	X	X			X	X	Minimize erosion on sloped areas with contour farming, contoured buffer strips, or terracing (sloped acres with erosion control/total sloped acres)	☐
	X		X		X		X			X	X	Minimize bare soil in non-cropped areas by using vegetation, mulch, or gravel	☐

Water Quality Issues												MPs	Implemented?
Nutrients		Metals		Legacy Pesticides		Current Use Pesticides		Salts		Toxicity			
Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry	Wet		
X	X	X	X	X	X	X	X			X	X	Protect ditches from erosion using vegetation, rock placement or geotextiles, or wattles placed at intervals	☐
X	X	X	X	X	X	X	X	X	X	X	X	Use grassed waterways	☐
X	X	X	X	X	X	X	X	X	X	X	X	Use vegetated filter strips	☐
X	X	X	X	X	X	X	X	X	X	X	X	Runoff is treated with detention/sediment basins	☐
X	X	X	X	X	X	X	X	X	X	X	X	Runoff is treated with retention basins	☐
X	X	X	X	X	X	X	X	X	X	X	X	Runoff is treated with bioreactor	☐
X	X	X	X	X	X	X	X	X	X	X	X	Runoff is treated with constructed wetlands	☐

Step 5: Implement Required Management Practices for the Upper Las Posas Responsibility Area

Growers must implement required Management Practices (MPs) and consider additional MPs to address water quality issues listed in **Table 2**. **Table 5** summarizes required MPs and provides recommendations for additional or expanded MPs on your farm.

Table 5. MP Implementation Requirements and Recommendations

Water Quality Issues		MPs	Implemented?
Nutrients	Legacy Pesticides		
Wet Weather	Wet Weather		
Required for all agricultural operations in RA			
X		Develop a certified Irrigation and Nutrient Management Plan (INMP) for each management unit on the property.	☐
Additional MP Recommendations			
		Source Control MPs	
X		Conduct leaf/petiole tests and use results to apply the minimum necessary amount of fertilizer	☐
		Structural MPs	
X	X	Reduce bare soil in production area with cover crops, gravel, mulch, etc.	☐
X	X	Minimize erosion on sloped areas with contour farming, contoured buffer strips, or terracing (sloped acres with erosion control/total sloped acres)	☐
X	X	Minimize bare soil in non-cropped areas by using vegetation, mulch, or gravel	☐
X	X	Protect ditches from erosion using vegetation, rock placement or geotextiles, or wattles placed at intervals	☐
X	X	Use grassed waterways	☐
X	X	Use vegetated filter strips	☐

Water Quality Issues		MPs	Implemented?
Nutrients	Legacy Pesticides		
Wet Weather	Wet Weather		
X	X	Runoff is treated with detention/sediment basins	☐
X	X	Runoff is treated with retention basins	☐
X	X	Runoff is treated with bioreactor	☐
X	X	Runoff is treated with constructed wetlands	☐

Step 5: Implement Required Management Practices for the East Camarillo Hills Responsibility Area

Growers must implement required Management Practices (MPs) and consider additional MPs to address water quality issues listed in **Table 2**. **Table 5** summarizes required MPs and provides recommendations for additional or expanded MPs on your farm.

Table 5. MP Implementation Requirements and Recommendations

Water Quality Issues								MPs	Implemented?
Bacteria		Metals		Legacy Pesticides		Current Use Pesticides			
Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry Weather	Wet Weather		
								Develop a certified Irrigation and Nutrient Management Plan (INMP) for each management unit on the property.	☐
								Source Control MPs	
		X		X		X		Use efficient irrigation systems (drip only, micro-sprinkler then drip, and micro-sprinkler)	☐
		X		X		X		Test irrigation system for distribution uniformity by monitoring water delivery or pressure differences by block at least every 3 years.	☐
		X				X		Implement irrigation practices that are based on soil moisture measurements and/or crop evapotranspiration	☐
						X	X	Use a pest control advisor (PCA) or certified qualified applicator for pesticide management decisions	☐
		X	X			X	X	Implement an integrated pest management plan	☐
		X		X		X		Avoid/prevent irrigation runoff	☐

Water Quality Issues								MPs	Implemented?
Bacteria		Metals		Legacy Pesticides		Current Use Pesticides			
Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry Weather	Wet Weather		
								Structural MPs	
		X	X	X	X	X	X	Reduce bare soil in production area with cover crops, gravel, mulch, etc.	☐
		X	X	X	X	X	X	Minimize erosion on sloped areas with contour farming, contoured buffer strips, or terracing (sloped acres with erosion control/total sloped acres)	☐
			X		X		X	Minimize bare soil in non-cropped areas by using vegetation, mulch, or gravel	☐
X	X	X	X	X	X	X	X	Protect ditches from erosion using vegetation, rock placement or geotextiles, or wattles placed at intervals	☐
X	X	X	X	X	X	X	X	Use grassed waterways	☐
X	X	X	X	X	X	X	X	Use vegetated filter strips	☐
X	X	X	X	X	X	X	X	Runoff is treated with detention/sediment basins	☐
X	X	X	X	X	X	X	X	Runoff is treated with retention basins	☐
X	X	X	X	X	X	X	X	Runoff is treated with bioreactor	☐
X	X	X	X	X	X	X	X	Runoff is treated with constructed wetlands	☐

Step 5: Implement Required Management Practices for the Lower Revolon Responsibility Area

Growers must implement required Management Practices (MPs) and consider additional MPs to address water quality issues listed in **Table 2**. **Table 5** summarizes required MPs and provides recommendations for additional or expanded MPs on your farm.

Table 5. MP Implementation Requirements and Recommendations

Water Quality Issues			MPs	Implemented?
Metals	Legacy Pesticides	Current Use Pesticides		
Dry Weather	Wet Weather	Wet Weather		
Required for all agricultural operations in RA				
			Develop a certified Irrigation and Nutrient Management Plan (INMP) for each management unit on the property.	☐
Additional MP Recommendations				
			Source Control MPs	
X			Use efficient irrigation system (sum of drip only, micro-sprinkler then drip, and micro-sprinkler)	☐
X			Test irrigation system for distribution uniformity by monitoring water delivery or pressure differences by block at least every 3 years.	☐
X			Implement irrigation practices that are based on soil moisture measurements and/or crop evapotranspiration	☐
X			Avoid/prevent irrigation runoff	☐
			Structural MPs	
X	X	X	Reduce bare soil in production area with cover crops, gravel, mulch, etc.	☐

Water Quality Issues			MPs	Implemented?
Metals	Legacy Pesticides	Current Use Pesticides		
Dry Weather	Wet Weather	Wet Weather		
X	X	X	Minimize erosion on sloped areas with contour farming, contoured buffer strips, or terracing (sloped acres with erosion control/total sloped acres)	☐
	X	X	Minimize bare soil in non-cropped areas by using vegetation, mulch, or gravel	☐
X	X	X	Protect ditches from erosion using vegetation, rock placement or geotextiles, or wattles placed at intervals	☐
X	X	X	Use grassed waterways	☐
X	X	X	Use vegetated filter strips	☐
X	X	X	Runoff is treated with detention/sediment basins	☐
X	X	X	Runoff is treated with retention basins	☐
X	X	X	Runoff is treated with bioreactor	☐
X	X	X	Runoff is treated with constructed wetlands	☐

Step 5: Implement Required Management Practices for the Beardsley Wash Responsibility Area

Growers must implement required Management Practices (MPs) and consider additional MPs to address water quality issues listed in **Table 2**. **Table 5** summarizes required MPs and provides recommendations for additional or expanded MPs on your farm.

Table 5. MP Implementation Requirements and Recommendations

Water Quality Issues					MPs	Implemented?
Bacteria		Metals	Legacy Pesticides	Current Use Pesticides		
Dry Weather	Wet Weather	Wet Weather	Wet Weather	Wet Weather		
Required for all agricultural operations in RA						
					Develop a certified Irrigation and Nutrient Management Plan (INMP) for each management unit on the property.	☐
Additional MP Recommendations						
					Source Control MPs	
X					Use efficient irrigation system (sum of drip only, micro-sprinkler then drip, and micro-sprinkler)	☐
		X		X	Implement an integrated pest management plan	☐
X					Avoid/prevent irrigation runoff	☐
					Structural MPs	
		X	X	X	Reduce bare soil in production area with cover crops, gravel, mulch, etc.	☐
		X	X	X	Minimize erosion on sloped areas with contour farming, contoured buffer strips, or terracing (sloped acres with erosion control/total sloped acres)	☐

Water Quality Issues					MPs	Implemented?
Bacteria		Metals	Legacy Pesticides	Current Use Pesticides		
Dry Weather	Wet Weather	Wet Weather	Wet Weather	Wet Weather		
		X	X	X	Minimize bare soil in non-cropped areas by using vegetation, mulch, or gravel	☐
X	X	X	X	X	Protect ditches from erosion using vegetation, rock placement or geotextiles, or wattles placed at intervals	☐
X	X	X	X	X	Use grassed waterways	☐
X	X	X	X	X	Use vegetated filter strips	☐
X	X	X	X	X	Runoff is treated with detention/sediment basins	☐
X	X	X	X	X	Runoff is treated with retention basins	☐
X	X	X	X	X	Runoff is treated with bioreactor	☐
X	X	X	X	X	Runoff is treated with constructed wetlands	☐

Step 5: Implement Required Management Practices for the Lower Calleguas Creek Responsibility Area

Growers must implement required Management Practices (MPs) and consider additional MPs to address water quality issues listed in **Table 2**. **Table 5** summarizes required MPs and provides recommendations for additional or expanded MPs on your farm.

Table 5. MP Implementation Requirements and Recommendations

Water Quality Issues										MPs	Implemented?
Nutrients		Metals		Legacy Pesticides		Current Use Pesticides		Toxicity			
Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry	Wet		
Required for all agricultural operations in RA											
X	X							X	X	Develop a certified Irrigation and Nutrient Management Plan (INMP) for each management unit on the property.	☐
Additional MP Recommendations											
										Source Control MPs	
X		X		X		X		X		Use efficient irrigation systems (drip only, micro-sprinkler then drip, and micro-sprinkler)	☐
X		X		X		X		X		Test irrigation system for distribution uniformity by monitoring water delivery or pressure differences by block at least every 3 years.	☐
X		X				X		X		Implement irrigation practices that are based on soil moisture measurements and/or crop evapotranspiration	☐
X								X		Use soil solution electrical conductivity measurements to determine when salt leaching is necessary	☐

Water Quality Issues										MPs	Implemented?
Nutrients		Metals		Legacy Pesticides		Current Use Pesticides		Toxicity			
Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry	Wet		
X	X							X	X	Conduct soil residual nitrate tests and use results to adjust fertilizer application	☐
X	X							X	X	Conduct leaf/petiole tests and use results to apply the minimum necessary amount of fertilizer	☐
X	X							X	X	Analyze irrigation water nitrate and use results to adjust fertilizer application	☐
						X	X	X	X	Use a pest control advisor (PCA) or certified qualified applicator for pesticide management decisions	☐
		X	X			X	X	X	X	Implement an integrated pest management plan	☐
X		X		X		X		X	X	Avoid/prevent irrigation runoff	☐
										Structural MPs	
X	X	X	X	X	X	X	X	X	X	Reduce bare soil in production area with cover crops, gravel, mulch, etc.	☐
X	X	X	X	X	X	X	X	X	X	Minimize erosion on sloped areas with contour farming, contoured buffer strips, or terracing (sloped acres with erosion control/total sloped acres)	☐
	X		X		X		X	X	X	Minimize bare soil in non-cropped areas by using vegetation, mulch, or gravel	☐
X	X	X	X	X	X	X	X	X	X	Protect ditches from erosion using vegetation, rock placement or geotextiles, or wattles placed at intervals	☐
X	X	X	X	X	X	X	X	X	X	Use grassed waterways	☐

Water Quality Issues										MPs	Implemented?
Nutrients		Metals		Legacy Pesticides		Current Use Pesticides		Toxicity			
Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry	Wet		
X	X	X	X	X	X	X	X	X	X	Use vegetated filter strips	☐
X	X	X	X	X	X	X	X	X	X	Runoff is treated with detention/sediment basins	☐
X	X	X	X	X	X	X	X	X	X	Runoff is treated with retention basins	☐
X	X	X	X	X	X	X	X	X	X	Runoff is treated with bioreactor	☐
X	X	X	X	X	X	X	X	X	X	Runoff is treated with constructed wetlands	☐

Step 5: Implement Required Management Practices for the Mugu Lagoon Responsibility Area

Growers must implement required Management Practices (MPs) and consider additional MPs to address water quality issues listed in **Table 2**. **Table 5** summarizes required MPs and provides recommendations for additional or expanded MPs on your farm.

Table 5. MP Implementation Requirements and Recommendations

Water Quality Issues								MPs	Implemented?
Nutrients		Metals		Legacy Pesticides		Current Use Pesticides			
Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry Weather	Wet Weather		
Required for all agricultural operations in RA									
X	X							Develop a certified Irrigation and Nutrient Management Plan (INMP) for each management unit on the property.	
Additional MP Recommendations									
								Source Control MPs	
X		X		X		X		Use efficient irrigation systems (drip only, micro-sprinkler then drip, and micro-sprinkler)	☐
X		X		X		X		Test irrigation system for distribution uniformity by monitoring water delivery or pressure differences by block at least every 3 years.	☐
X		X				X		Implement irrigation practices that are based on soil moisture measurements and/or crop evapotranspiration	☐
X								Use soil solution electrical conductivity measurements to determine when salt leaching is necessary	☐
X	X							Conduct soil residual nitrate tests and use results to adjust fertilizer application	☐

Water Quality Issues								MPs	Implemented?
Nutrients		Metals		Legacy Pesticides		Current Use Pesticides			
Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry Weather	Wet Weather		
X	X							Conduct leaf/petiole tests and use results to apply the minimum necessary amount of fertilizer	☐
X	X							Analyze irrigation water nitrate and use results to adjust fertilizer application	☐
						X	X	Use a pest control advisor (PCA) or certified qualified applicator for pesticide management decisions	☐
		X	X			X	X	Implement an integrated pest management plan	☐
X		X		X		X		Avoid/prevent irrigation runoff	☐
								Structural MPs	
X	X	X	X	X	X	X	X	Reduce bare soil in production area with cover crops, gravel, mulch, etc.	☐
X	X	X	X	X	X	X	X	Minimize erosion on sloped areas with contour farming, contoured buffer strips, or terracing (sloped acres with erosion control/total sloped acres)	☐
	X		X		X		X	Minimize bare soil in non-cropped areas by using vegetation, mulch, or gravel	☐
X	X	X	X	X	X	X	X	Protect ditches from erosion using vegetation, rock placement or geotextiles, or wattles placed at intervals	☐
X	X	X	X	X	X	X	X	Use grassed waterways	☐
X	X	X	X	X	X	X	X	Use vegetated filter strips	☐
X	X	X	X	X	X	X	X	Runoff is treated with detention/sediment basins	☐
X	X	X	X	X	X	X	X	Runoff is treated with retention basins	☐
X	X	X	X	X	X	X	X	Runoff is treated with bioreactor	☐

Water Quality Issues								MPs	Implemented?
Nutrients		Metals		Legacy Pesticides		Current Use Pesticides			
Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry Weather	Wet Weather		
X	X	X	X	X	X	X	X	Runoff is treated with constructed wetlands	☐

Step 5: Implement Required Management Practices for the Oxnard Drain #3 Responsibility Area

Growers must implement required Management Practices (MPs) and consider additional MPs to address water quality issues listed in **Table 2**. **Table 5** summarizes required MPs and provides recommendations for additional or expanded MPs on your farm.

Table 5. MP Implementation Requirements and Recommendations

Water Quality Issues								MPs	Implemented?
Metals		Nutrients		Legacy Pesticides		Current Use Pesticides	Toxicity		
Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry Weather	Wet Weather	Wet Weather	Dry Weather		
Required for all agricultural operations in RA									
		X	X					Develop a certified Irrigation and Nutrient Management Plan (INMP) for each management unit on the property.	☐
Additional MP Recommendations									
								Source Control MPs	
X		X		X			X	Use efficient irrigation system (drip only, micro-sprinkler then drip, and micro-sprinkler)	☐
X		X		X			X	Test irrigation system for distribution uniformity by monitoring water delivery or pressure differences by block at least every 3 years.	☐
X		X					X	Implement irrigation practices that are based on soil moisture measurements and/or crop evapotranspiration	☐
		X					X	Use soil solution electrical conductivity measurements to determine when salt leaching is necessary	☐

Water Quality Issues								MPs	Implemented?
Metals		Nutrients		Legacy Pesticides		Current Use Pesticides	Toxicity		
Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry Weather	Wet Weather	Wet Weather	Dry Weather		
		X	X				X	Conduct leaf/petiole tests and use results to apply the minimum necessary amount of fertilizer	☐
		X	X				X	Analyze irrigation water nitrate and use results to adjust fertilizer application	☐
						X	X	Use a pest control advisor (PCA) or certified qualified applicator for pesticide management decisions	☐
X	X					X	X	Implement an integrated pest management plan	☐
X		X		X			X	Avoid/prevent irrigation runoff	☐
								Structural MPs	
X	X	X	X	X	X	X	X	Reduce bare soil in production area with cover crops, gravel, mulch, etc.	☐
X	X	X	X	X	X	X	X	Minimize erosion on sloped areas with contour farming, contoured buffer strips, or terracing (sloped acres with erosion control/total sloped acres)	☐
	X		X		X	X		Minimize bare soil in non-cropped areas by using vegetation, mulch, or gravel	☐
X	X	X	X	X	X	X	X	Protect ditches from erosion using vegetation, rock placement or geotextiles, or wattles placed at intervals	☐
X	X	X	X	X	X	X	X	Use grassed waterways	☐

Water Quality Issues								MPs	Implemented?
Metals		Nutrients		Legacy Pesticides		Current Use Pesticides	Toxicity		
Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry Weather	Wet Weather	Wet Weather	Dry Weather		
X	X	X	X	X	X	X	X	Use vegetated filter strips	☐
X	X	X	X	X	X	X	X	Runoff is treated with detention/sediment basins	☐
X	X	X	X	X	X	X	X	Runoff is treated with retention basins	☐
X	X	X	X	X	X	X	X	Runoff is treated with bioreactor	☐
X	X	X	X	X	X	X	X	Runoff is treated with constructed wetlands	☐

Step 5: Implement Required Management Practices for the Oxnard Coastal – Oxnard Drain #3 Responsibility Area

Growers must implement required Management Practices (MPs) and consider additional MPs to address water quality issues listed in **Table 2**. **Table 5** summarizes required MPs and provides recommendations for additional or expanded MPs on your farm.

Table 5. MP Implementation Requirements and Recommendations

Water Quality Issues								MPs	Implemented?
Metals		Nutrients		Legacy Pesticides		Current Use Pesticides	Toxicity		
Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry Weather	Wet Weather	Wet Weather	Dry Weather		
Required for all agricultural operations in RA									
		X	X					Develop a certified Irrigation and Nutrient Management Plan (INMP) for each management unit on the property.	☐
Additional MP Recommendations									
								Source Control MPs	
X		X		X			X	Use efficient irrigation system (drip only, micro-sprinkler then drip, and micro-sprinkler)	☐
X		X		X			X	Test irrigation system for distribution uniformity by monitoring water delivery or pressure differences by block at least every 3 years.	☐
X		X					X	Implement irrigation practices that are based on soil moisture measurements and/or crop evapotranspiration	☐
		X					X	Use soil solution electrical conductivity measurements to determine when salt leaching is necessary	☐

Water Quality Issues								MPs	Implemented?
Metals		Nutrients		Legacy Pesticides		Current Use Pesticides	Toxicity		
Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry Weather	Wet Weather	Wet Weather	Dry Weather		
		X	X				X	Conduct leaf/petiole tests and use results to apply the minimum necessary amount of fertilizer	☐
		X	X				X	Analyze irrigation water nitrate and use results to adjust fertilizer application	☐
X	X					X	X	Implement an integrated pest management plan	☐
X		X		X			X	Avoid/prevent irrigation runoff	☐
								Structural MPs	
X	X	X	X	X	X	X	X	Reduce bare soil in production area with cover crops, gravel, mulch, etc.	☐
X	X	X	X	X	X	X	X	Minimize erosion on sloped areas with contour farming, contoured buffer strips, or terracing (sloped acres with erosion control/total sloped acres)	☐
	X		X		X	X	X	Minimize bare soil in non-cropped areas by using vegetation, mulch, or gravel	☐
X	X	X	X	X	X	X	X	Protect ditches from erosion using vegetation, rock placement or geotextiles, or wattles placed at intervals	☐
X	X	X	X	X	X	X	X	Use grassed waterways	☐
X	X	X	X	X	X	X	X	Use vegetated filter strips	☐
X	X	X	X	X	X	X	X	Runoff is treated with detention/sediment basins	☐
X	X	X	X	X	X	X	X	Runoff is treated with retention basins	☐
X	X	X	X	X	X	X	X	Runoff is treated with bioreactor	☐
X	X	X	X	X	X	X	X	Runoff is treated with constructed wetlands	☐

Step 5: Implement Required Management Practices for the Malibu Responsibility Area

Growers must implement required Management Practices (MPs) and consider additional MPs to address water quality issues listed in **Table 2**. **Table 5** summarizes required MPs and provides recommendations for additional or expanded MPs on your farm.

Table 5. MP Implementation Requirements and Recommendations

Water Quality Issues					MPs	Implemented?
Bacteria		Metals	Legacy Pesticides	Current Use Pesticides		
Dry Weather	Wet Weather	Wet Weather	Wet Weather	Wet Weather		
Required for all agricultural operations in RA						
					Develop a certified Irrigation and Nutrient Management Plan (INMP) for each management unit on the property.	☐
Additional MP Recommendations						
					Source Control MPs	
				X	Use a pest control advisor (PCA) or certified qualified applicator for pesticide management decisions	☐
		X		X	Implement an integrated pest management plan	☐
X					Avoid/prevent irrigation runoff	☐
					Structural MPs	
		X	X	X	Reduce bare soil in production area with cover crops, gravel, mulch, etc.	☐
		X	X	X	Minimize bare soil in non-cropped areas by using vegetation, mulch, or gravel	☐

Water Quality Issues					MPs	Implemented?
Bacteria		Metals	Legacy Pesticides	Current Use Pesticides		
Dry Weather	Wet Weather	Wet Weather	Wet Weather	Wet Weather		
X	X	X	X	X	Use grassed waterways	☐
X	X	X	X	X	Use vegetated filter strips	☐
X	X	X	X	X	Runoff is treated with detention/sediment basins	☐
X	X	X	X	X	Runoff is treated with retention basins	☐
X	X	X	X	X	Runoff is treated with bioreactor	☐
X	X	X	X	X	Runoff is treated with constructed wetlands	☐

Step 5: Implement Required Management Practices for the Malibu – Las Virgenes Responsibility Area

Growers must implement required Management Practices (MPs) and consider additional MPs to address water quality issues listed in **Table 2**. **Table 5** summarizes required MPs and provides recommendations for additional or expanded MPs on your farm.

Table 5. MP Implementation Requirements and Recommendations

Water Quality Issues						MPs	Implemented?
Nutrients	Metals	Legacy Pesticides	Current Use Pesticides	Bacteria			
Wet Weather	Wet Weather	Wet Weather	Wet Weather	Dry	Wet		
X						Develop a certified Irrigation and Nutrient Management Plan (INMP) for each management unit on the property.	☐
						Source Control MPs	
X	X	X	X			Reduce bare soil in production area with cover crops, gravel, mulch, etc.	☐
				X		Use efficient irrigation systems (drip only, micro-sprinkler then drip, and micro-sprinkler)	☐
X						Prepare a certified nutrient management plan for the property	☐
X						Conduct soil residual nitrate tests and use results to adjust fertilizer application	☐
X						Conduct leaf/petiole tests and use results to apply the minimum necessary amount of fertilizer	☐

Water Quality Issues						MPs	Implemented?
Nutrients	Metals	Legacy Pesticides	Current Use Pesticides	Bacteria			
Wet Weather	Wet Weather	Wet Weather	Wet Weather	Dry	Wet		
X						Analyze irrigation water nitrate and use results to adjust fertilizer application	☐
X	X	X	X			Minimize erosion on sloped areas with contour farming, contoured buffer strips, or terracing (sloped acres with erosion control/total sloped acres)	☐
X	X	X	X			Minimize bare soil in non-cropped areas by using vegetation, mulch, or gravel	☐
			X			Use a pest control advisor (PCA) or certified qualified applicator for pesticide management decisions	☐
	X		X			Implement an integrated pest management plan	☐
				X		Avoid/prevent irrigation runoff	☐
						Structural MPs	
X	X	X	X	X	X	Protect ditches from erosion using vegetation, rock placement or geotextiles, or wattles placed at intervals	☐
X	X	X	X	X	X	Use grassed waterways	☐
X	X	X	X	X	X	Use vegetated filter strips	☐
X	X	X	X	X	X	Runoff is treated with detention/sediment basins	☐
X	X	X	X	X	X	Runoff is treated with retention basins	☐
X	X	X	X	X	X	Runoff is treated with bioreactor	☐
X	X	X	X	X	X	Runoff is treated with constructed wetlands	☐

Step 5: Implement Required Management Practices for the Santa Clara River Reach 5 Responsibility Area

Growers must implement required Management Practices (MPs) and consider additional MPs to address water quality issues listed in **Table 2**. **Table 5** summarizes required MPs and provides recommendations for additional or expanded MPs on your farm.

Table 5. MP Implementation Requirements and Recommendations

Water Quality Issues						MPs	Implemented?
Bacteria		Salts [1]		Legacy Pesticides	Current Use Pesticides		
Dry Weather	Wet Weather	Dry Weather	Wet Weather	Wet Weather	Wet Weather		
Required for all agricultural operations in RA							
						Develop a certified Irrigation and Nutrient Management Plan (INMP) for each management unit on the property.	☐
Additional MP Recommendations							
						Source Control MPs	
X		X				Use efficient irrigation system (drip only, micro-sprinkler then drip, and micro-sprinkler)	☐
X		X				Avoid/prevent irrigation runoff	☐
						Structural MPs	
				X	X	Reduce bare soil in production area with cover crops, gravel, mulch, etc.	☐
				X	X	Minimize erosion on sloped areas with contour farming, contoured buffer strips, or terracing (sloped acres with erosion control/total sloped acres)	☐

Water Quality Issues						MPs	Implemented?
Bacteria		Salts [1]		Legacy Pesticides	Current Use Pesticides		
Dry Weather	Wet Weather	Dry Weather	Wet Weather	Wet Weather	Wet Weather		
				X	X	Minimize bare soil in non-cropped areas by using vegetation, mulch, or gravel	☐
X	X			X	X	Protect ditches from erosion using vegetation, rock placement or geotextiles, or wattles placed at intervals	☐
X	X	X	X	X	X	Use grassed waterways	☐
X	X	X	X	X	X	Use vegetated filter strips	☐
X	X	X	X	X	X	Runoff is treated with detention/sediment basins	☐
X	X	X	X	X	X	Runoff is treated with retention basins	☐
X	X	X	X	X	X	Runoff is treated with bioreactor	☐
X	X	X	X	X	X	Runoff is treated with constructed wetlands	☐

1. Excess salts in this RA are due to natural geological sources. MPs specific to salts constituents are not required, however MPs for other constituents may also reduce salts.

Step 5: Implement Required Management Practices for the Tapo Canyon Responsibility Area

Growers must implement required Management Practices (MPs) and consider additional MPs to address water quality issues listed in **Table 2**. **Table 5** summarizes required MPs and provides recommendations for additional or expanded MPs on your farm.

Table 5. MP Implementation Requirements and Recommendations

Water Quality Issues						MPs	Implemented?
Bacteria		Salts [1]		Legacy Pesticides	Current Use Pesticides		
Dry Weather	Wet Weather	Dry Weather	Wet Weather	Wet Weather	Wet Weather		
Required for all agricultural operations in RA							
						Develop a certified Irrigation and Nutrient Management Plan (INMP) for each management unit on the property.	☐
Additional MP Recommendations							
						Source Control MPs	
X		X				Use efficient irrigation system (drip only, micro-sprinkler then drip, and micro-sprinkler)	☐
		X				Test irrigation system for distribution uniformity by monitoring water delivery or pressure differences by block at least every 3 years.	☐
		X				Implement irrigation practices that are based on soil moisture measurements and/or crop evapotranspiration	☐
		X				Use soil solution electrical conductivity measurements to determine when salt leaching is necessary	☐
					X	Implement an integrated pest management plan	☐

Water Quality Issues						MPs	Implemented?
Bacteria		Salts [1]		Legacy Pesticides	Current Use Pesticides		
Dry Weather	Wet Weather	Dry Weather	Wet Weather	Wet Weather	Wet Weather		
X		X				Avoid/prevent irrigation runoff	
						Treatment MPs	
				X	X	Reduce bare soil in production area with cover crops, gravel, mulch, etc.	☐
				X	X	Minimize erosion on sloped areas with contour farming, contoured buffer strips, or terracing (sloped acres with erosion control/total sloped acres)	☐
				X	X	Minimize bare soil in non-cropped areas by using vegetation, mulch, or gravel	☐
X	X			X	X	Protect ditches from erosion using vegetation, rock placement or geotextiles, or wattles placed at intervals	☐
X	X	X	X	X	X	Use grassed waterways	☐
X	X	X	X	X	X	Use vegetated filter strips	☐
X	X	X	X	X	X	Runoff is treated with detention/sediment basins	☐
X	X	X	X	X	X	Runoff is treated with retention basins	☐
X	X	X	X	X	X	Runoff is treated with bioreactor	☐
X	X	X	X	X	X	Runoff is treated with constructed wetlands	☐

1. Excess salts in this RA are due to natural geological sources. MPs specific to salts constituents are not required, however MPs for other constituents may also reduce salts.

Step 5: Implement Required Management Practices for the Santa Paula - Fillmore Responsibility Area

Growers must implement required Management Practices (MPs) and consider additional MPs to address water quality issues listed in **Table 2**. **Table 5** summarizes required MPs and provides recommendations for additional or expanded MPs on your farm.

Table 5. MP Implementation Requirements and Recommendations

Water Quality Issues			MPs	Implemented?
Nutrients	Salts	Current Use Pesticides		
Wet Weather	Wet Weather	Wet Weather		
Required for all agricultural operations in RA				
X			Develop a certified Irrigation and Nutrient Management Plan (INMP) for each management unit on the property.	☐
Additional MP Recommendations				
			Source Control MPs	
X			Conduct soil residual nitrate tests and use results to adjust fertilizer application	☐
X			Conduct leaf/petiole tests and use results to apply the minimum necessary amount of fertilizer	☐
X			Analyze irrigation water nitrate and use results to adjust fertilizer application	☐
		X	Use a pest control advisor (PCA) or certified qualified applicator for pesticide management decisions	☐
		X	Implement an integrated pest management plan	☐

Water Quality Issues			MPs	Implemented?
Nutrients	Salts	Current Use Pesticides		
Wet Weather	Wet Weather	Wet Weather		
			Structural MPs	
X		X	Reduce bare soil in production area with cover crops, gravel, mulch, etc.	☐
X		X	Minimize erosion on sloped areas with contour farming, contoured buffer strips, or terracing (sloped acres with erosion control/total sloped acres)	☐
X		X	Minimize bare soil in non-cropped areas by using vegetation, mulch, or gravel	☐
X		X	Protect ditches from erosion using vegetation, rock placement or geotextiles, or wattles placed at intervals	☐
X	X	X	Use grassed waterways	☐
X	X	X	Use vegetated filter strips	☐
X	X	X	Runoff is treated with detention/sediment basins	☐
X	X	X	Runoff is treated with retention basins	☐
X	X	X	Runoff is treated with bioreactor	☐
X	X	X	Runoff is treated with constructed wetlands	☐

Step 5: Implement Required Management Practices for the Bardsdale Responsibility Area

Growers must implement required Management Practices (MPs) and consider additional MPs to address water quality issues listed in **Table 2**. **Table 5** summarizes required MPs and provides recommendations for additional or expanded MPs on your farm.

Table 5. MP Implementation Requirements and Recommendations

Water Quality Issues							MPs	Implemented?
Bacteria		Nutrients		Legacy Pesticides		Current Use Pesticides		
Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry Weather	Wet Weather	Wet Weather		
Required for all agricultural operations in RA								
		X	X				Develop a certified Irrigation and Nutrient Management Plan (INMP) for each management unit on the property.	☐
Additional MP Recommendations								
							Source Control MPs	
X		X		X			Use efficient irrigation system (drip only, micro-sprinkler then drip, and micro-sprinkler)	☒
		X		X			Test irrigation system for distribution uniformity by monitoring water delivery or pressure differences by block at least every 3 years.	☐
		X					Use soil solution electrical conductivity measurements to determine when salt leaching is necessary	☐
		X	X				Conduct soil residual nitrate tests and use results to adjust fertilizer application	☐
		X	X				Conduct leaf/petiole tests and use results to apply the minimum necessary amount of fertilizer	☐

Water Quality Issues							MPs	Implemented?
Bacteria		Nutrients		Legacy Pesticides		Current Use Pesticides		
Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry Weather	Wet Weather	Wet Weather		
		X	X				Analyze irrigation water nitrate and use results to adjust fertilizer application	☐
		X	X				Adjust fertilizer application to account for nutrients provided by cover crops	☐
						X	Use a pest control advisor (PCA) or certified qualified applicator for pesticide management decisions	☐
						X	Implement an integrated pest management plan	☐
X		X		X			Avoid/prevent irrigation runoff	☐
							Structural MPs	
		X	X	X	X	X	Reduce bare soil in production area with cover crops, gravel, mulch, etc.	☐
		X	X	X	X	X	Minimize erosion on sloped areas with contour farming, contoured buffer strips, or terracing (sloped acres with erosion control/total sloped acres)	☐
			X		X	X	Minimize bare soil in non-cropped areas by using vegetation, mulch, or gravel	☐
X	X	X	X	X	X	X	Protect ditches from erosion using vegetation, rock placement or geotextiles, or wattles placed at intervals	☐
X	X	X	X	X	X	X	Use grassed waterways	☐
X	X	X	X	X	X	X	Use vegetated filter strips	☐
X	X	X	X	X	X	X	Runoff is treated with detention/sediment basins	☐
X	X	X	X	X	X	X	Runoff is treated with retention basins	☐
X	X	X	X	X	X	X	Runoff is treated with bioreactor	☐
X	X	X	X	X	X	X	Runoff is treated with constructed wetlands	☐

Step 5: Implement Required Management Practices for the Saticoy Responsibility Area

Growers must implement required Management Practices (MPs) and consider additional MPs to address water quality issues listed in **Table 2**. **Table 5** summarizes required MPs and provides recommendations for additional or expanded MPs on your farm.

Table 5. MP Implementation Requirements and Recommendations

Water Quality Issues							MPs	Implemented?
Bacteria		Nutrients	Salts	Legacy Pesticides		Current Use Pesticides		
Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry Weather	Wet Weather	Wet Weather		
Required for all agricultural operations in RA								
		X					Develop a certified Irrigation and Nutrient Management Plan (INMP) for each management unit on the property.	☐
Additional MP Recommendations								
							Source Control MPs	
X		X		X			**Use efficient irrigation system (drip only, micro-sprinkler then drip, and micro-sprinkler)**	☐
X		X		X			**Test irrigation system for distribution uniformity by monitoring water delivery or pressure differences by block at least every 3 years.**	☐
		X					Conduct leaf/petiole tests and use results to apply the minimum necessary amount of fertilizer	☐
						X	Implement an integrated pest management plan	☐
X		X		X			**Avoid/prevent irrigation runoff**	☐

Water Quality Issues							MPs	Implemented?
Bacteria		Nutrients	Salts	Legacy Pesticides		Current Use Pesticides		
Dry Weather	Wet Weather	Dry Weather	Wet Weather	Dry Weather	Wet Weather	Wet Weather		
							Structural MPs	
		X		X	X	X	**Reduce bare soil in production area with cover crops, gravel, mulch, etc.**	☐
		X		X	X	X	**Minimize erosion on sloped areas with contour farming, contoured buffer strips, or terracing (sloped acres with erosion control/total sloped acres)**	☐
		X			X	X	**Minimize bare soil in non-cropped areas by using vegetation, mulch, or gravel**	☐
X	X	X		X	X	X	**Protect ditches from erosion using vegetation, rock placement or geotextiles, or wattles placed at intervals**	☐
X	X	X	X	X	X	X	**Use grassed waterways**	☐
X	X	X	X	X	X	X	**Use vegetated filter strips**	☐
X	X	X	X	X	X	X	**Runoff is treated with detention/sediment basins**	☐
X	X	X	X	X	X	X	**Runoff is treated with retention basins**	☐
X	X	X	X	X	X	X	**Runoff is treated with bioreactor**	☐
X	X	X	X	X	X	X	**Runoff is treated with constructed wetlands**	☐

Bolded MPs are required by the Ag Order to the degree appropriate for achieving compliance with the Santa Clara River Estuary Toxaphene TMDL.

Step 5: Implement Required Management Practices for the Lower Santa Clara River Responsibility Area

Growers must implement required Management Practices (MPs) and consider additional MPs to address water quality issues listed in **Table 2**. **Table 5** summarizes required MPs and provides recommendations for additional or expanded MPs on your farm.

Table 5. MP Implementation Requirements and Recommendations

Water Quality Issues							MPs	Implemented?
Bacteria		Nutrients	Salts	Legacy Pesticides		Current Use Pesticides		
Dry Weather	Wet Weather	Wet Weather	Wet Weather	Dry Weather	Wet Weather	Wet Weather		
Required for all agricultural operations in RA								
		X					Develop a certified Irrigation and Nutrient Management Plan (INMP) for each management unit on the property.	☐
Additional MP Recommendations								
							Source Control MPs	
X				X			Use efficient irrigation system (drip only, micro-sprinkler then drip, and micro-sprinkler)	☐
				X			Test irrigation system for distribution uniformity by monitoring water delivery or pressure differences by block at least every 3 years.	☐
X				X			Avoid/prevent irrigation runoff	☐
							Structural MPs	
		X		X	X	X	Reduce bare soil in production area with cover crops, gravel, mulch, etc.	☐

Water Quality Issues							MPs	Implemented?
Bacteria		Nutrients	Salts	Legacy Pesticides		Current Use Pesticides		
Dry Weather	Wet Weather	Wet Weather	Wet Weather	Dry Weather	Wet Weather	Wet Weather		
		X			X	X	Minimize bare soil in non-cropped areas by using vegetation, mulch, or gravel	☐
X	X	X		X	X	X	Protect ditches from erosion using vegetation, rock placement or geotextiles, or wattles placed at intervals	☐
X	X	X	X	X	X	X	Use grassed waterways	☐
X	X	X	X	X	X	X	Use vegetated filter strips	☐
X	X	X	X	X	X	X	Runoff is treated with detention/sediment basins	☐
X	X	X	X	X	X	X	Runoff is treated with retention basins	☐
X	X	X	X	X	X	X	Runoff is treated with bioreactor	☐
X	X	X	X	X	X	X	Runoff is treated with constructed wetlands	☐

Step 5: Implement Required Management Practices for the McGrath Central Ditch Responsibility Area

Growers must implement required Management Practices (MPs) and consider additional MPs to address water quality issues listed in **Table 2**. **Table 5** summarizes required MPs and provides recommendations for additional or expanded MPs on your farm.

Table 5. MP Implementation Requirements and Recommendations

Water Quality Issues			MPs	Implemented?
Nutrients	Legacy Pesticides			
Wet Weather	Dry Weather	Wet Weather		
Required for all agricultural operations in RA				
X			Develop a certified Irrigation and Nutrient Management Plan (INMP) for each management unit on the property.	☐
Additional MP Recommendations				
			Source Control MPs	
	X		**Use efficient irrigation system (drip only, micro-sprinkler then drip, and micro-sprinkler)**	☐
	X		**Test irrigation system for distribution uniformity by monitoring water delivery or pressure differences by block at least every 3 years.**	☐
	X		**Avoid/prevent irrigation runoff**	☐
			Structural MPs	
X	X	X	**Reduce bare soil in production area with cover crops, gravel, mulch, etc.**	☐

Water Quality Issues			MPs	Implemented?
Nutrients	Legacy Pesticides			
Wet Weather	Dry Weather	Wet Weather		
X	X	X	**Minimize erosion on sloped areas with contour farming, contoured buffer strips, or terracing (sloped acres with erosion control/total sloped acres)**	☐
X		X	**Minimize bare soil in non-cropped areas by using vegetation, mulch, or gravel**	☐
X	X	X	**Protect ditches from erosion using vegetation, rock placement or geotextiles, or wattles placed at intervals**	☐
X	X	X	**Use grassed waterways**	☐
X	X	X	**Use vegetated filter strips**	☐
X	X	X	**Runoff is treated with detention/sediment basins**	☐
X	X	X	**Runoff is treated with retention basins**	☐
X	X	X	**Runoff is treated with bioreactor**	☐
X	X	X	**Runoff is treated with constructed wetlands**	☐

Bolded MPs are required by the Ag Order to the degree appropriate for achieving compliance with the McGrath Lake OC Pesticides and PCBs TMDL.

Step 5: Implement Required Management Practices for the McGrath Lake Adjacent Responsibility Area

Growers must implement required Management Practices (MPs) and consider additional MPs to address water quality issues listed in **Table 2**. **Table 5** summarizes required MPs and provides recommendations for additional or expanded MPs on your farm.

Table 5. MP Implementation Requirements and Recommendations

Water Quality Issues		MPs	Implemented?
Legacy Pesticides			
Dry Weather	Wet Weather		
Required for all agricultural operations in RA			
		Develop a certified Irrigation and Nutrient Management Plan (INMP) for each management unit on the property.	☐
Additional MP Recommendations			
		Source Control MPs	
X		**Use efficient irrigation system (drip only, micro-sprinkler then drip, and micro-sprinkler)**	☐
X		**Test irrigation system for distribution uniformity by monitoring water delivery or pressure differences by block at least every 3 years.**	☐
X		**Avoid/prevent irrigation runoff**	☐
		Structural MPs	
X	X	**Reduce bare soil in production area with cover crops, gravel, mulch, etc.**	☐

Water Quality Issues		MPs	Implemented?
Legacy Pesticides			
Dry Weather	Wet Weather		
X	X	**Minimize erosion on sloped areas with contour farming, contoured buffer strips, or terracing (sloped acres with erosion control/total sloped acres)**	☐
	X	**Minimize bare soil in non-cropped areas by using vegetation, mulch, or gravel**	☐
X	X	**Protect ditches from erosion using vegetation, rock placement or geotextiles, or wattles placed at intervals**	☐
X	X	**Use grassed waterways**	☐
X	X	**Use vegetated filter strips**	☐
X	X	**Runoff is treated with detention/sediment basins**	☐
X	X	**Runoff is treated with retention basins**	☐
X	X	**Runoff is treated with bioreactor**	☐
X	X	**Runoff is treated with constructed wetlands**	☐

Bolded MPs are required by the Ag Order to the degree appropriate for achieving compliance with the McGrath Lake OC Pesticides and PCBs TMDL.

Step 5: Implement Required Management Practices for the Santa Clara River – Victoria and Gonzales Responsibility Area

Growers must implement required Management Practices (MPs) and consider additional MPs to address water quality issues listed in **Table 2**. **Table 5** summarizes required MPs and provides recommendations for additional or expanded MPs on your farm.

Table 5. MP Implementation Requirements and Recommendations

Water Quality Issues			MPs	Implemented?
Nutrients	Legacy Pesticides			
Wet Weather	Dry Weather	Wet Weather		
Required for all agricultural operations in RA				
X			Develop a certified Irrigation and Nutrient Management Plan (INMP) for each management unit on the property.	☐
Additional MP Recommendations				
			Source Control MPs	
	X		**Use efficient irrigation system (sum of drip only, micro-sprinkler then drip, and micro-sprinkler)**	☐
	X		**Test irrigation system for distribution uniformity by monitoring water delivery or pressure differences by block at least every 3 years.**	☒
X			Conduct leaf/petiole tests and use results to apply the minimum necessary amount of fertilizer	☐
X			Analyze irrigation water nitrate and use results to adjust fertilizer application	☐
	X		**Avoid/prevent irrigation runoff**	☐
			Structural MPs	
X	X	X	**Reduce bare soil in production area with cover crops, gravel, mulch, etc.**	☐

Water Quality Issues			MPs	Implemented?
Nutrients	Legacy Pesticides			
Wet Weather	Dry Weather	Wet Weather		
X	X	X	**Minimize erosion on sloped areas with contour farming, contoured buffer strips, or terracing (sloped acres with erosion control/total sloped acres)**	☐
X		X	**Minimize bare soil in non-cropped areas by using vegetation, mulch, or gravel**	☐
X	X	X	**Protect ditches from erosion using vegetation, rock placement or geotextiles, or wattles placed at intervals**	☐
X	X	X	**Use grassed waterways**	☐
X	X	X	**Use vegetated filter strips**	☐
X	X	X	**Runoff is treated with detention/sediment basins**	☐
X	X	X	**Runoff is treated with retention basins**	☐
X	X	X	**Runoff is treated with bioreactor**	☐
X	X	X	**Runoff is treated with constructed wetlands**	☐

Bolded MPs are required by the Ag Order to the degree appropriate for achieving compliance with the McGrath Lake OC Pesticides and PCBs TMDL and Santa Clara River Estuary Toxaphene TMDL

Step 5: Implement Required Management Practices for the Lower Ventura River Responsibility Area

Growers must implement required Management Practices (MPs) and consider additional MPs to address water quality issues listed in **Table 2**. **Table 5** summarizes required MPs and provides recommendations for additional or expanded MPs on your farm that are applicable to the Ventura River Algae TMDL.

Table 5. MP Implementation Requirements and Recommendations

Water Quality Issues		MPs	Implemented?
Nutrients			
Dry Weather	Wet Weather		
Required for all agricultural operations in RA			
X	X	Develop a certified Irrigation and Nutrient Management Plan (INMP) for each management unit on the property.	☐
Additional MP Recommendations			
		Source Control MPs	
X		Use efficient irrigation systems (drip only, micro-sprinkler then drip, and micro-sprinkler)	☐
X		Test irrigation system for distribution uniformity by monitoring water delivery or pressure differences by block at least every 3 years.	☐
X		Implement irrigation practices that are based on soil moisture measurements and/or crop evapotranspiration	☐
X		Use soil solution electrical conductivity measurements to determine when salt leaching is necessary	☐
X	X	Conduct soil residual nitrate tests and use results to adjust fertilizer application	☐
X	X	Conduct leaf/petiole tests and use results to apply the minimum necessary amount of fertilizer	☐
X	X	Analyze irrigation water nitrate and use results to adjust fertilizer application	☐
X		Avoid/prevent irrigation runoff	☐
		Structural MPs	
X	X	Reduce bare soil in production area with cover crops, gravel, mulch, etc.	☐
X	X	Minimize erosion on sloped areas with contour farming, contoured buffer strips, or terracing (sloped acres with erosion control/total sloped acres)	☐
	X	Minimize bare soil in non-cropped areas by using vegetation, mulch, or gravel	☐

Water Quality Issues		MPs	Implemented?
Nutrients			
Dry Weather	Wet Weather		
X	X	Protect ditches from erosion using vegetation, rock placement or geotextiles, or wattles placed at intervals	☐
X	X	Use grassed waterways	☐
X	X	Use vegetated filter strips	☐
X	X	Runoff is treated with detention/sediment basins	☐
X	X	Runoff is treated with retention basins	☐
X	X	Runoff is treated with bioreactor	☐
X	X	Runoff is treated with constructed wetlands	☐

Step 5: Implement Required Management Practices for the Ventura River Inland Responsibility Area

Growers must implement required Management Practices (MPs) and consider additional MPs to address water quality issues listed in **Table 2**. **Table 5** summarizes required MPs and provides recommendations for additional or expanded MPs on your farm that are applicable to the Ventura River Algae TMDL.

Table 5. MP Implementation Requirements and Recommendations

Water Quality Issues		MPs	Implemented?
Nutrients			
Dry Weather	Wet Weather		
Required for all agricultural operations in RA			
X	X	Develop a certified Irrigation and Nutrient Management Plan (INMP) for each management unit on the property.	☐
Additional MP Recommendations			
		Source Control MPs	
X		Use efficient irrigation systems (drip only, micro-sprinkler then drip, and micro-sprinkler)	☐
X		Test irrigation system for distribution uniformity by monitoring water delivery or pressure differences by block at least every 3 years.	☐
X		Implement irrigation practices that are based on soil moisture measurements and/or crop evapotranspiration	☐
X		Use soil solution electrical conductivity measurements to determine when salt leaching is necessary	☐
X	X	Conduct soil residual nitrate tests and use results to adjust fertilizer application	☐

Water Quality Issues		MPs	Implemented?
Nutrients			
Dry Weather	Wet Weather		
X	X	Conduct leaf/petiole tests and use results to apply the minimum necessary amount of fertilizer	☐
X	X	Analyze irrigation water nitrate and use results to adjust fertilizer application	☐
X		Avoid/prevent irrigation runoff	☐
		Structural MPs	
X	X	Reduce bare soil in production area with cover crops, gravel, mulch, etc.	☐
X	X	Minimize erosion on sloped areas with contour farming, contoured buffer strips, or terracing (sloped acres with erosion control/total sloped acres)	☐
	X	Minimize bare soil in non-cropped areas by using vegetation, mulch, or gravel	☐
X	X	Protect ditches from erosion using vegetation, rock placement or geotextiles, or wattles placed at intervals	☐
X	X	Use grassed waterways	☐
X	X	Use vegetated filter strips	☐
X	X	Runoff is treated with detention/sediment basins	☐
X	X	Runoff is treated with retention basins	☐
X	X	Runoff is treated with bioreactor	☐
X	X	Runoff is treated with constructed wetlands	☐

Step 2: Review Water Quality Issues and TMDLs in Your Area

Water quality in the Ventura Coastal RA is assessed using data from one VCAILG monitoring sites. These sites evaluate compliance with standard Ag Order benchmarks:

Table 1. Monitoring Sites Used for Comparison to Applicable Benchmarks in the Ventura Coastal RA

Monitoring Site	Site Type	Applicable Benchmarks
VRT_THACH	VCAILG Monitoring Site (*evaluates standard Ag Order benchmark attainment*)	Standard Ag Order Benchmarks

What's the difference between Ag Order benchmarks and TMDLs?
Ag Order benchmarks apply to all VCAILG enrolled parcels and include include a broad list of water quality constituents identified in Appendix 4 of the Ag Order (e.g., nitrogen, pesticides, metals). TMDLs are an added regulatory layer that apply in areas where runoff drains to impaired water bodies with adopted TMDL plans. These include specific limits—called load allocations—on how much of a pollutant can be discharged.

Your Responsibility:
As a grower, you are responsible for implementing appropriate Management Practices (MPs) to address water quality issues in your RA. Table 2 below summarizes the key water quality issues and associated Total Maximum Daily Loads (TMDLs), along with the applicable compliance date, that apply to this area (if applicable).

How RAs Were Created:
VCAILG established RAs based on Regional Water Board-defined TMDL boundaries. This means all parcels within an RA are subject to the same applicable TMDLs and are represented by the same monitoring sites.

To learn more about TMDLs, watch the TMDLs 101 Workshop: https://youtu.be/66B6IxGBg3Q. For a complete list of TMDLs that apply to agriculture, see Appendix 5 of the Ag Order.

Table 2. Water Quality Issues and TMDLs in Your Responsibility Area

Water Quality Issues in Your RA	TMDLs in Your RA
None	None

Step 5: Implement Required Management Practices for the San Antonio Creek Responsibility Area

Growers must implement required Management Practices (MPs) and consider additional MPs to address water quality issues listed in **Table 2**. **Table 5** summarizes required MPs and provides recommendations for additional or expanded MPs on your farm that are applicable to the Ventura River Algae TMDL.

Table 5. MP Implementation Requirements and Recommendations

Water Quality Issues		MPs	Implemented?
Nutrients			
Dry Weather	Wet Weather		
Required for all agricultural operations in RA			
X	X	Develop a certified Irrigation and Nutrient Management Plan (INMP) for each management unit on the property.	☐
Additional MP Recommendations			
		Source Control MPs	
X		Use efficient irrigation systems (drip only, micro-sprinkler then drip, and micro-sprinkler)	☐
X		Test irrigation system for distribution uniformity by monitoring water delivery or pressure differences by block at least every 3 years.	☐
X		Implement irrigation practices that are based on soil moisture measurements and/or crop evapotranspiration	☐
X		Use soil solution electrical conductivity measurements to determine when salt leaching is necessary	☐
X	X	Conduct soil residual nitrate tests and use results to adjust fertilizer application	☐

Water Quality Issues		MPs	Implemented?
Nutrients			
Dry Weather	Wet Weather		
X	X	Conduct leaf/petiole tests and use results to apply the minimum necessary amount of fertilizer	☐
X	X	Analyze irrigation water nitrate and use results to adjust fertilizer application	☐
X		Avoid/prevent irrigation runoff	☐
		Structural MPs	
X	X	Reduce bare soil in production area with cover crops, gravel, mulch, etc.	☐
X	X	Minimize erosion on sloped areas with contour farming, contoured buffer strips, or terracing (sloped acres with erosion control/total sloped acres)	☐
	X	Minimize bare soil in non-cropped areas by using vegetation, mulch, or gravel	☐
X	X	Protect ditches from erosion using vegetation, rock placement or geotextiles, or wattles placed at intervals	☐
X	X	Use grassed waterways	☐
X	X	Use vegetated filter strips	☐
X	X	Runoff is treated with detention/sediment basins	☐
X	X	Runoff is treated with retention basins	☐
X	X	Runoff is treated with bioreactor	☐
X	X	Runoff is treated with constructed wetlands	☐

Step 5: Implement Required Management Practices for the Ventura River Milling Rd. Responsibility Area

Growers must implement required Management Practices (MPs) and consider additional MPs to address water quality issues listed in **Table 2**. **Table 5** summarizes required MPs and provides recommendations for additional or expanded MPs on your farm that are applicable to the Ventura River Algae TMDL.

Table 5. MP Implementation Requirements and Recommendations

Water Quality Issues		MPs	Implemented?
Nutrients			
Dry Weather	Wet Weather		
Required for all agricultural operations in RA			
X	X	Develop a certified Irrigation and Nutrient Management Plan (INMP) for each management unit on the property.	☐
Additional MP Recommendations			
		Source Control MPs	
X		Use efficient irrigation systems (drip only, micro-sprinkler then drip, and micro-sprinkler)	☐
X		Test irrigation system for distribution uniformity by monitoring water delivery or pressure differences by block at least every 3 years.	☐
X		Implement irrigation practices that are based on soil moisture measurements and/or crop evapotranspiration	☐
X		Use soil solution electrical conductivity measurements to determine when salt leaching is necessary	☐
X	X	Conduct soil residual nitrate tests and use results to adjust fertilizer application	☐

Water Quality Issues		MPs	Implemented?
Nutrients			
Dry Weather	Wet Weather		
X	X	Conduct leaf/petiole tests and use results to apply the minimum necessary amount of fertilizer	☐
X	X	Analyze irrigation water nitrate and use results to adjust fertilizer application	☐
X		Avoid/prevent irrigation runoff	☐
		Structural MPs	
X	X	Reduce bare soil in production area with cover crops, gravel, mulch, etc.	☐
X	X	Minimize erosion on sloped areas with contour farming, contoured buffer strips, or terracing (sloped acres with erosion control/total sloped acres)	☐
	X	Minimize bare soil in non-cropped areas by using vegetation, mulch, or gravel	☐
X	X	Protect ditches from erosion using vegetation, rock placement or geotextiles, or wattles placed at intervals	☐
X	X	Use grassed waterways	☐
X	X	Use vegetated filter strips	☐
X	X	Runoff is treated with detention/sediment basins	☐
X	X	Runoff is treated with retention basins	☐
X	X	Runoff is treated with bioreactor	☐
X	X	Runoff is treated with constructed wetlands	☐

Step 5: Implement Required Management Practices for the Oxnard Coastal Responsibility Area

Growers must implement required Management Practices (MPs) and consider additional MPs to address water quality issues listed in **Table 2**. **Table 5** summarizes required MPs and provides recommendations for additional or expanded MPs on your farm.

Table 5. MP Implementation Requirements and Recommendations

Water Quality Issues		MPs	Implemented?
Nutrients			
Dry Weather	Wet Weather		
Required for all agricultural operations in RA			
X	X	Develop a certified Irrigation and Nutrient Management Plan (INMP) for each management unit on the property.	☐
Additional MP Recommendations			
		Source Control MPs	
X		Use efficient irrigation systems (drip only, micro-sprinkler then drip, and micro-sprinkler)	☐
X		Test irrigation system for distribution uniformity by monitoring water delivery or pressure differences by block at least every 3 years.	☐
X		Implement irrigation practices that are based on soil moisture measurements and/or crop evapotranspiration	☐
X		Use soil solution electrical conductivity measurements to determine when salt leaching is necessary	☐
X	X	Conduct soil residual nitrate tests and use results to adjust fertilizer application	☐
X	X	Conduct leaf/petiole tests and use results to apply the minimum necessary amount of fertilizer	☐
X	X	Analyze irrigation water nitrate and use results to adjust fertilizer application	☐

Water Quality Issues		MPs	Implemented?
Nutrients			
Dry Weather	Wet Weather		
X		Avoid/prevent irrigation runoff	☐
		Structural MPs	
X	X	Reduce bare soil in production area with cover crops, gravel, mulch, etc.	☐
X	X	Minimize erosion on sloped areas with contour farming, contoured buffer strips, or terracing (sloped acres with erosion control/total sloped acres)	☐
	X	Minimize bare soil in non-cropped areas by using vegetation, mulch, or gravel	☐
X	X	Protect ditches from erosion using vegetation, rock placement or geotextiles, or wattles placed at intervals	☐
X	X	Use grassed waterways	☐
X	X	Use vegetated filter strips	☐
X	X	Runoff is treated with detention/sediment basins	☐
X	X	Runoff is treated with retention basins	☐
X	X	Runoff is treated with bioreactor	☐
X	X	Runoff is treated with constructed wetlands	☐