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Attachment A to Resolution No. _____

[MAJOR BASINS EXAMPLE] Amendment to the Water Quality Control Plan – [Region] to Incorporate the Groundwater Quality Management Plan for the [Basin(s)]

Adopted by the California Regional Water Quality Control Board, [Region] on [Date].

This groundwater quality management plan satisfies the Recycled Water Policy requirement for salt/nutrient management plans. This groundwater quality management plan applies to groundwater basin(s) with the designated beneficial use for municipal and domestic supply (MUN).

Amendments:

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Chapter X. Groundwater Quality Management Plans <This would be a new chapter to the Basin Plan>

X-X [Basin(s)] Groundwater Quality Management Plan

List of Figures, Tables and Inserts

Chapter X. Groundwater Quality Management Plans

Tables

X-X [Basin(s)] Salt/Nutrient Management and Related Effects
X-X.1 [Basin(s)] Salt/Nutrient Management and Related Effects: Elements
X-X.2 [Basin(s)] Salt/Nutrient Management and Related Effects: Implementation Schedule

Chapter X. Groundwater Quality Management [Basin(s)] Groundwater Quality Management Plan

This [Basin(s)] Groundwater Quality Management Plan was adopted by: The Regional Water Quality Control Board on [Date].

This [Basin(s)] Groundwater Quality Management Plan was approved by: The State Water Resources Control Board on [Date].

This [Basin(s)] Groundwater Quality Management Plan was approved by: The Office of Administrative Law on [Date].

This [Basin(s)] Groundwater Quality Management Plan was approved by: U.S. Environmental Protection Agency on [Date].

This [Basin(s)] Groundwater Quality Management Plan is effective on [Date].

The following tables include the elements of this Groundwater Quality Management Plan.

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Table X-X.1. [Basin] Groundwater Quality Management Plan and Related Effects: Elements

Element	Key Findings and Regulatory Provisions									
<p><i>Purpose Statement</i></p>	<p><i>Is the groundwater basin impaired or threatened to be impaired by [nutrients, salts, and other constituents]?</i></p> <p><i>What are the effects of increased levels of [nutrients, salts, and other constituents] on the beneficial uses of groundwater and surface water? What detrimental effects are attributed to [nutrients, salts, and other constituents]? Concerns involving taste and odor, toxicity, human health, crop yields, etc. Are surface water and/or groundwater affected by [nutrients, salts, and other constituents]? Is groundwater quality affected by [nutrients, salts, and other constituents] in surface water; and vice versa?</i></p> <p><i>What are the beneficial uses (i.e., MUN, AGR, IND, FRSH, AQUA, etc.) of groundwater in the [Basin(s)]?</i></p> <p><i>What regulatory provisions are there to protect beneficial uses related to impacts by [nutrients, salts, and other constituents]; such as, Resolution No. 68-16 (Antidegradation Policy), etc.?</i></p>									
<p><i>Narrative and Numeric Water Quality Objectives</i> <i>(Interpretation of the narrative and numeric water quality objective, used to calculate the load allocations)</i></p>	<p><i>What are the bases for narrative and numeric Water Quality Objectives (WQOs) for the Groundwater Quality Management Plan?</i></p> <p><i>What are the narrative and numeric WQOs?</i></p> <p>{Example: Santa Ana Region. There are separate numeric targets for basins with assimilative capacity and basins with no remaining assimilative capacity. As part of the Salt/Nutrient Management Plan, several agencies proposed that alternative, less stringent TDS and/or nitrate-nitrogen water quality objectives be adopted for specific groundwater management zones and surface waters. These proposals were based on additional consideration of the factors specified in Water Code Section 13241 and the requirements of the State’s antidegradation policy (State Board Resolution No. 68-16). Since the less stringent objectives would allow a lowering of water quality, the agencies were required to demonstrate that their proposed objectives would protect beneficial uses, and that water quality consistent with maximum benefit to the people of the state would be maintained (thus, the use of the term “maximum benefit” water quality objectives).}</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Constituent</u></th> <th style="text-align: center;"><u>WQO (mg/l)</u></th> <th style="text-align: center;"><u>Revised WQO (mg/l)</u></th> </tr> </thead> <tbody> <tr> <td>TDS</td> <td style="text-align: center;">250</td> <td style="text-align: center;">xxx</td> </tr> <tr> <td>Chloride</td> <td style="text-align: center;">250</td> <td style="text-align: center;">xxx</td> </tr> </tbody> </table>	<u>Constituent</u>	<u>WQO (mg/l)</u>	<u>Revised WQO (mg/l)</u>	TDS	250	xxx	Chloride	250	xxx
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Element	Key Findings and Regulatory Provisions
<i>Implementation Plan</i>	<p><i>Each permit will be assigned a specific waste load allocation.</i></p> <p>{Example: The regulatory mechanisms used to implement the WQOs will include the WDRs, Waivers of WDRs, WRRs, Municipal Storm Water NPDES Permit (MS4), the State of California Department of Transportation (Caltrans) Storm Water Permit, minor NPDES permits, general NPDES permits, general industrial storm water NPDES permits, and general construction storm water NPDES permits. Nonpoint sources will be regulated through the authority contained in Sections 13263 and 13269 of the Water Code, in conformance with the State Water Resources Control Board’s Nonpoint Source Implementation and Enforcement Policy (May 2004). Each NPDES permit assigned a WLA shall be reopened or amended at re-issuance, in accordance with applicable laws, to incorporate the applicable WLAs as a permit requirement.}</p> <p><i>The Regional Board shall reconsider this <effluent limitations, waste load allocations> on a ___ year basis [Implementation Schedule, Table X-X.2]. WDRs must be revised to be consistent with the Implementation Plan.</i></p> <p><i>General Permits/Orders:</i></p> <p><i>WDRs:</i></p> <p><i>NPDES Permits:</i></p> <p><i>BMPs:</i></p> <p><i>Effluent Limitations:</i></p> <p><i>Interim Limits:</i></p> <p><i>{Table X-X.2 presents the implementation schedule for the responsible permittees.}</i></p> <p><i>Special Studies: What special studies are needed and why? The schedule for the special studies [Implementation Schedule, Table X-X.2]?</i></p> <p><i>Include goals and objectives for recycled water and stormwater recharge/use.</i></p>

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Table X-X.2. [Basin(s)] Groundwater Quality Management Plan and Related Effects: Implementation Schedule

Date	Action	Responsible Party
	<i>Permits issuance or renewal requirements, Orders requirements, BMPs, Interim Limits, Monitoring Work Plans, Monitoring, Special Studies, Submittals, RB consideration of revised [loading rates, water quality objectives, effluent limits...], etc.</i>	