**ATTACHMENT A TO DRAFT TENTATIVE RESOLUTION NO. R8-202X-XXXX**

**A Resolution Amending the Water Quality Control Plan for the Santa Ana River Basin to Revise the Nutrient Total Maximum Daily Loads (TMDLs) for Lake Elsinore and Canyon Lake, in the San Jacinto River Watershed, Riverside County, California**

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**Chapter 6. Total Maximum Daily Loads**

1. **Lake Elsinore and Canyon Lake Nutrient Total Maximum Daily Loads**
2. ***Phasing of the Lake Elsinore and Canyon Lake Nutrient Total Maximum Daily Loads***
   1. ***Phase II – years 1-20***
   2. ***Phase III – years 21-30***
3. ***Problem Statement***
4. ***Lake Elsinore and Canyon Lake Nutrient TMDL Phase II - Interim Nutrient Numeric Targets***
5. ***Lake Elsinore and Canyon Lake Nutrient TMDL Phase III - Final Nutrient Numeric Targets***
6. ***CDF Goal for Total Dissolved Solids (TDS) in Lake Elsinore***
7. ***Source Analysis***
8. ***Linkage Analysis***
9. ***Lake Elsinore and Canyon Lake Nutrient TMDLs Phase II - Interim Wasteload Allocations, Load Allocations and Implementation Dates***
10. ***Lake Elsinore and Canyon Lake Nutrient TMDLs Phase III - Final Wasteload Allocations, Load Allocations and Implementation Dates***
11. ***Translation/Expression of Wasteload Allocations into NPDES Permits*** 
    1. ***Elsinore Valley Municipal Water District***
    2. ***Municipal Storm Sewer Systems***
    3. ***Confined Animal Feeding Operations***
12. ***Translation/Expression of Load Allocations into Waste Discharge Requirements and Conditional Waivers***
13. ***Demonstrating Compliance***
14. ***Margin of Safety***
15. ***Seasonal Variation/Critical Conditions (i.e., such as severe drought)***
16. ***TMDL Implementation***

| PROPOSED TASKS FOR PHASE II – YEARS 1-20 | | | |
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| Proposed Task | Activity | Completed By | Responsible Party(s) |
| Task 1 – Stakeholder Coordination | LECL Task Force collaboration at least quarterly | Ongoing throughout Phase 2 |  |
| Task 2 – Revision to Existing Permits and Other Regulatory Actions | MS4 permits, CWAD, EVMWD, Dairy Order, CalTrans, USFS Nutrient Plans | In a timely manner, and as needed; at the discretion of the regulatory agency |  |
| Task 3 – Revise Existing Watershed Implementation Plans | Revise CNRP  Revise AgNMP | CNRP: Within 180 days of revised TMDLs effective date, submit revised CNRP to the Santa Ana Water Board; implementation of the revised CNRP would begin after Santa Ana Water Board approval; implementation of the CNRP that was approved in 2012 would continue until a revised CNRP is adopted by the Santa Ana Water Board  AgNMP: Within 180 days of Revised TMDLs effective date, submit revised AgNMP to the Santa Ana Water Board; implementation of the revised AgNMP would be begin after Santa Ana Water Board Executive Officer approval |  |
| Task 4 – Evaluation of In Lake Water Quality Controls for Canyon Lake | Canyon Lake Alum Project | Starting the effective date of the TMDL, continue to implement the existing Canyon Lake Alum Project.  Within 1 year of the revised TMDLs effective date, submit an evaluation of the effectiveness of the existing/ongoing Alum Project for Canyon Lake and the use of Alum as an offset for Total Phosphorus to the Santa Ana Water Board Executive Officer for review. Upon review of the evaluation, the Santa Ana Water Board’s Executive Officer has the right to determine if the Project should be reauthorized, or if reauthorization should be denied.  If the Santa Ana Water Board’s Executive Officer reauthorizes the Project and the Project continues, then within 5 years from the Executive Officer’s determination, and once every 5 years thereafter, an evaluation of the effectiveness of the existing/ongoing Alum Project for Canyon Lake and the use of Alum as an offset for Total Phosphorus must be submitted to the Santa Ana Water Board staff for review.  Any significant changes to the offset program must be requested in advance of implementation of the change and such change must be approved by the Santa Ana Water Board’s Executive Officer prior to implementation. |  |
| Task 5 – Evaluation of Lake Elsinore’s Ability to Maintain Intended Uses | Evaluation of Lake Elsinore that includes identifying appropriate water quality parameters and/or reasonably feasible lake management activities that may be implemented to improve and maintain water quality in Lake Elsinore for its intended uses; factors for consideration include permanent modifications to the Lake, supplemental reclaimed water, fish stocking, recreational uses, salinity levels, lake clarity, cyanotoxins, etc. | Within 180 days from the TMDL effective date, submit a proposed Work Plan for the Evaluation of Lake Elsinore’s Ability to Maintain Intended Uses for Santa Ana Water Board Executive Officer approval  Complete the tasks in the Work Plan according to the schedule as approved by the Santa Ana Water Board’s Executive Officer |  |
| Task 6 – Evaluate Water Quality Control Options for Lake Elsinore to Maintain Intended Uses | Evaluation may include renovating existing In Lake controls (LEAMS) or other water quality control options, including but not limited to in lake controls; evaluation should consider the information and findings from the evaluation conducted under Task 5; the evaluation should include a preferred recommendation; evaluation may include a proposed Offset Program that would be associated with implementation of the preferred recommendation | Within 3 years from submittal of the Evaluation conducted under Task 5 to the Santa Ana Water Board, submit the Lake Elsinore Water Quality Control Options Evaluation to the Santa Ana Water Board  If the Lake Elsinore Water Quality Control Options Evaluation includes a proposed Offset Program that would be associated with implementation of the preferred recommendation, the proposed Offset Program would be subject to Santa Ana Water Board Executive Officer approval |  |
| Task 7 – Implementation of Existing Water Quality Controls for Lake Elsinore | Lake Elsinore Aeration and Mixing System (LEAMS)  Supplemental Reclaimed Water | Starting the effective date of the TMDL, continue operation of LEAMS unless or until the Santa Ana Water Board revises EVMWD’s NPDES permit in a manner that makes operation of LEAMS no longer necessary  Starting the effective date of the TMDL, continue to provide Supplemental Reclaimed Water to Lake Elsinore, and additional flows up to 7.5 mgd, as determined appropriate by EVMWD, the City of Lake Elsinore, and any other relevant parties |  |
| Task 8 – Implementation of New or Revised Water Quality Controls for Lake Elsinore | Implement new or revised water quality controls for Lake Elsinore as determined appropriate based on the results of Task 6 | Within 60 days of completing Task 6 or within 60 days after receiving any approvals necessary by the Santa Ana Water Board’s Executive Officer for a proposed Offset Program, whichever is later, submit a schedule for implementing new or revised Water Quality Controls to the Santa Ana Water Board’s Executive Officer for approval  Complete the tasks according to the schedule as approved by the Santa Ana Water Board’s Executive Officer |  |
| Task 9 – Special Study –Cyanobacteria in Lake Elsinore | Evaluate cyanobacteria in Lake Elsinore and options to manage cyanobacteria populations in all or parts of Lake Elsinore to protect the REC beneficial use |  |  |
| Task 10 – Special Study - Performance of Watershed Controls | Evaluate Performance of implementation of watershed controls; identify recommendations to adjust watershed controls | Five years from TMDL effective date, submit a Work Plan for a Special Study to Evaluate Performance of Watershed Controls being implemented by Permittees, including a schedule for implementation and completion of the Work Plan, for Santa Ana Water Board Executive Officer approval  Complete the Special Study according to the schedule as approved by the Santa Ana Water Board’s Executive Officer |  |
| Task 11 – Special Study - Reference Watershed Conditions | Study Nutrient Loads from Proposed Reference Watersheds | Five years from TMDL effective date, submit a Work Plan for a Special Study to study/evaluate nutrient loads from proposed reference watersheds, including a schedule for implementation and completion of the Work Plan, for Santa Ana Water Board Executive Officer approval  Complete the Special Study according to the schedule as approved by the Santa Ana Water Board’s Executive Officer |  |
| Task 12 – Special Studies – Fishery Management | Evaluate status of fishery populations in Lake Elsinore | By August 15 of every tenth year, submit a Report that includes the results of a Special Study conducted to evaluate the status of fishery populations in Lake Elsinore |  |
| Task 13 – Evaluate Status of TMDL Compliance with Interim Targets, Wasteload and Load Allocations | Evaluate status of TMDL Compliance | By August 15 of every fifth year |  |
| Task 14 – Evaluate Final TMDL Targets, Wasteload allocations and Load allocations | Based on data and information gathered over first 15 years, re-evaluate Final TMDL targets, wasteload allocations, load allocations, and implementation tasks | Within 16 years from TMDL Effective Date |  |
| Task 15 – Identify possible revisions to the TMDLs | Based on results of relevant tasks, prepare Technical Report in support of revisions to the TMDL if determined appropriate | Within 17 years from TMDL Effective Date |  |
| Task 16 – Surveillance & Monitoring Program | Update TMDL surveillance monitoring and monitoring program and QAPP; should include a program to conduct watershed aerial surveys of land use every 5 years, and HAB and cyanotoxin monitoring or both lakes | Starting the effective date of the TMDL, continue to implement the existing monitoring program unless or until an updated Surveillance & Monitoring Program is approved by the Santa Ana Water Board’s Executive Officer  Within 6 months of TMDL Effective date, submit an updated Surveillance & Monitoring Program & QAPP for Santa Ana Water Board Executive Officer approval |  |
| Task 17 – Annual Reporting Program | Annual Water Quality Reports | By August 15 each year, report the results of the Surveillance & Monitoring Program to the Santa Ana Water Board  Annual Water Quality Reports must identify any changes or proposed changes to the Surveillance & Monitoring Program  Prior to implementing any significant changes to the approved Surveillance & Monitoring Program must, the proposed change must be submitted to Santa Ana Water Board staff in writing at least 45 days in advance; Santa Ana Water Board staff shall have 45 days to convey its agreement or disagreement with the proposed change, which must be made in writing; if the Santa Ana Water Board staff fails to convey in writing its agreement or disagreement with the proposed change within the 45 day period, then the change in the monitoring program may be implemented.  A substantial change is defined to include any decrease in monitoring frequency or locations, any substantial change in monitoring station locations, or any other departure from the approved Surveillance & Monitoring Program that could be considered significant. |  |