

**Lake Elsinore and Canyon Lake TMDL Preliminary Compliance Evaluation**

**September 17, 2020**

**Summary of Permit Provisions for Task Force Participants**

Permit	TMDL Provisions in Permit
CAFOs – General Order/NPDES	<p><u>Canyon Lake Provisions</u>                      Under Provision J.3.d, if WLA not met, dairies (in cooperation with others) must propose improvements to watershed-wide projects or programs.</p> <p>After December 31, 2020, if Provisions of J.3 not met, then WQBELs based on WLAs in TMDL apply: 132 kg/year TP; 1,908 kg/year TN (as 10-year running average).</p>
Riverside County MS4 Permittees	<p><u>R8-2010-0033</u>                      CNRP became the final WQBEL for LE/CL Nutrient TMDL upon adoption. Final WQBELs based on Urban WLAs not applicable because CNRP was adopted, and is being implemented.</p>
Elsinore Valley Municipal Water District	<p><u>R8-2013-0017 – Discharges to Lake Elsinore</u>                      TP – Mass Limit 5-year running average 8,186 lbs/yr.</p> <p>TN – Mass Limit 5-year running average 16,372 lbs/yr.</p> <p>Met via offset through operation of LEAMS for sufficient time.</p>
March AFB	<p><u>State Board Phase II General Order</u></p> <p>Compliance to be shown via one of seven approaches. Most applicable, by achieving individual or joint allocation of a mass-based wasteload.</p>
Agricultural Operations (CAWD)	<p><u>Order No. R8-2016-0003, as amended by Order No. R8-2017-0023</u></p> <p>Compliance with load allocation may be achieved by: (1) demonstrating that external loads comply with numeric load allocation; (2) demonstration that the numeric targets in the Nutrient TMDLs are attained consistently; <b>or</b> (3) complete and timely implementation of an approved agricultural nutrient management plan, updated as necessary.</p>

**Summary of TP and TN Loads Allocated to Point & Nonpoint Sources (Minus Internal Sediment & Atmospheric Deposition (as a 10-year running average))**

Lake	Total Phosphorus Load Allocation (kg/yr)	Total Nitrogen Load Allocation (kg/yr)
Canyon Lake	3,845 kg/yr	22,268 kg/yr
Lake Elsinore (for Canyon Lake Overflows)	2,770 kg/yr	20,774 kg/yr

**Canyon Lake - Summary of 10-year running average of Loads Discharged to the Canyon Lake from Sources (for the period of January 1, 2011 – June 30, 2020) & Determination of Compliance**

	10-year average Total Load	10-year average offset from Alum	10-year average Load for determining compliance	Allowed Load	Difference Between Allowable Load and 10-year running average load
Total Phosphorus Load (kg/yr) <sup>1</sup>	5,835 kg/yr.	2,044 kg/yr	3,791 kg/yr	3,845 kg/yr	54 kg/yr
Total Nitrogen (kg/yr) <sup>1</sup>	15,265 kg/yr	N/A	15,265 kg/yr	22,268 kg/yr	7,003 kg/yr

<sup>1</sup> Calculated from Table 2-3 – 2019-2020 Annual Report (revised table 2-3): Site 3 & Site 4.

**Lake Elsinore – Summary of 10-year running average of Loads Discharged to Lake Elsinore from Sources Upstream of Canyon Lake (i.e., allocation for Canyon Lake overflows)**

	10-year average Total Load	Allowed Load (including LEAMS Offset in the TMDL)	Difference Between Allowable Load and 10-year running average Load
Total Phosphorus Load (kg/yr) <sup>2</sup>	1,775 kg/yr	2,770 kg/yr	995 kg/yr
Total Nitrogen (kg/yr) <sup>2</sup>	9,083 kg/yr	20,774 kg/yr	11,691 kg/yr

<sup>2</sup> Calculated from Table 2-3 – 2019 2020 Annual Report (revised table 2-3): Canyon Lake Spillway