

**CONDITIONAL WAIVER OF WASTE DISCHARGE REQUIREMENTS
FOR DISCHARGES FROM IRRIGATED LANDS
ORDER NO. R4-2010 – XXXX**

**APPENDIX 2
STANDARD WATER QUALITY BENCHMARKS**

Constituent	Units	Daily Maximum/ Instantaneous
Temperature	^o F	(a) ¹
pH	pH units	(a) ¹
Dissolved Oxygen (DO)	mg/L	(a) ¹
Turbidity	NTU	(a) ¹
Total Suspended Solids	mg/L	(a) ¹
Total Dissolved Solids	mg/L	(a) ¹
Chloride	mg/L	(a) ¹
Nitrate-Nitrogen	mg/L	(a) ¹
Ammonia-Nitrogen	mg/L	(a) ¹
Sulfate	mg/L	(a) ¹
Copper ²	µg/L	CCC = 0.960e ^{[[0.8545(ln(hardness) + (-1.702))]}
Chlordane ²	µg/L	0.00059
4,4'-DDT ²	µg/L	0.00059
4,4'-DDD ²	µg/L	0.00084
DDE ²	µg/L	0.00059
Dieldrin ²	µg/L	0.00014
Toxaphene ²	µg/L	0.00075
Chlorpyrifos ³	µg/L	0.025
Diazinon ³	µg/L	0.10
Toxicity ⁴	TU _c	1.0

(a)¹ Benchmarks shall be based on the surface water and groundwater basin objectives currently contained in the Water Quality Control Plan Los Angeles Region (Basin Plan) or other applicable water quality standards established for the Los Angeles Region.

² The benchmarks are based on the CTR criteria.

³ The benchmarks are based on the targets developed in the Calleguas Creek Watershed and Mugu Lagoon Toxicity, Chlorpyrifos, and Diazinon TMDL (Resolution No. R05-009).

⁴ TU_c or Toxic Unit-Chronic is the reciprocal of the effluent concentration that causes no observable effects (i.e., no mortality) on the test organisms by the end of a chronic toxicity test.