Colorado River Basin Regional Water Quality Control Board

NEW RIVER AT THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
FEBRUARY 2025 WATER QUALITY DATA

FIELD MEASUREMENTS

DATE	TIME	TEMP	PH	D.O.	SPECIFIC CONDUCTIVITY
(MM/DD/YY)	(HH:MM)	(°C)[1]	S.U.[2]	(mg/L)[3]	(*u*S/cm)[4]
02/25/25	10:01	18.7	7.73	4.17	4,445

FIELD OBSERVATIONS

02/25/25 10:02 – Ambient air temperature is 83 °F. Clear sky. Minimal wind. Water color is brown. Mild foam. Odor is briny.

NOTES

Staff observed trash in the New River. Staff also noted poor air quality.

BACTERIAL ANALYSIS RESULTS

BABCOCK LABORATORIES, INC. IN EL CENTRO, CA

DATE	TIME	FECAL COLIFORM
(MM/DD/YY)	(HH:MM)	(MPN/100 ML)[5]
02/25/25	10:31	>16,000 (1:10 dilution) [6]
02/25/25	10:31	>16,000 (1:10 dilution)
02/25/25	10:32	13,000 (1:100 dilution)
02/25/25	10:32	28,000 (1:100 dilution)

[1] Water temperature is reported in units of degrees Celsius (°C).
[2] pH is reported in standard units.
[3] Dissolved oxygen (D.O.) is reported in units of milligrams per liter.
[4] Specific conductivity is reported in units of microSiemens per centimeter.
[5] Fecal coliform is reported in units of Most Probable Number (MPN) per 100 milliliters.
[6] Fecal coliform is greater than upper reporting limit.

CHEMICAL ANALYSIS RESULTS

BABCOCK LABORATORIES, INC. IN RIVERSIDE, CA

DATE	CONSTITUENT	METHOD	REPORTING LIMIT	CONCENTRATION
(MM/DD/YY)			(mg/L)[7]	(mg/L)
02/25/25	Ammonia as Nitrogen	SM 4500 NH3 HG	0.5	16
02/25/25	Ammonia as Nitrogen	SM 4500 NH3 HG	0.5	17
02/25/25	Total Kjeldahl Nitrogen	EPA 351.2	2.0	19
02/25/25	Total Kjeldahl Nitrogen	EPA 351.2	1.2	19
02/25/25	Total Phosphorus	SM 4500-P BE	0.50	3.1
02/25/25	Total Phosphorus	SM 4500-P BE	0.50	3.1
02/25/25	Total Suspended Solids	SM 2540 D	5	49
02/25/25	BOD[8]	SM 5210 B	10	43
02/25/25	BOD	SM 5210 B	10	39
02/25/25	Arsenic	EPA 200.8	0.005	0.0050
02/25/25	Arsenic	EPA 200.8	0.005	0.0052
02/25/25	Selenium	EPA 200.8	0.005	0.0032
02/25/25	Selenium	EPA 200.8	0.005	0.0032

[7] The concentrations are reported in units of milligrams per liter.

[8] Biochemical Oxygen Demand.