

Cadmium is a natural element used to manufacture batteries, pigments, metal coatings and plastics. The Oklahoma Department of Environmental Quality lists this segment of Arkansas River as impaired for cadmium on the 303(d) list that is submitted on the biannual report to EPA as part of Section 305(b).

Cadmium, Cd

EPA 200.8

Site	1/30/24	2/27/24	4/2/24	4/30/24	5/30/24	6/25/24	7/31/24	8/20/24	9/12/24	10/17/24	11/14/24	12/12/24	1/16/25	2/25/25
ZL1 Kayak Gate	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
ZL2 Pedestrian Bridge	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
ZL3 Boat Ramp	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
ZL4 I-244 Bridge	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500

Units are µg/L Cadmium tests below 0.5 micrograms per liter indicate the results are below detectable limits.

The City of Tulsa is testing monthly for **total petroleum hydrocarbons** (TPH) in response to citizen feedback. TPH describes several hundred chemical compounds originating from crude oil. The results are shown as: diesel range organics, gasoline range organics and oil range organics.

Diesel Range Organics

TPH by TNRCC 1005

Site	1/30/24	2/27/24	4/2/24	4/30/24	5/30/24	6/25/24	7/31/24	8/20/24	9/12/24	10/17/24	11/14/24	12/12/24	1/16/25	2/25/25
ZL1 Kayak Gate	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55
ZL2 Pedestrian Bridge	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55
ZL3 Boat Ramp	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55
ZL4 I-244 Bridge	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55

Units are mg/L Diesel range organics tests below 4.55 milligrams per liter indicate the results are below detectable limits.

Gasoline Range Organics

TPH by TNRCC 1005

Site	1/30/24	2/27/24	4/2/24	4/30/24	5/30/24	6/25/24	7/31/24	8/20/24	9/12/24	10/17/24	11/14/24	12/12/24	1/16/25	2/25/25
ZL1 Kayak Gate	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55
ZL2 Pedestrian Bridge	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55
ZL3 Boat Ramp	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55
ZL4 I-244 Bridge	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55

Units are mg/L Gasoline range organics tests below 4.55 milligrams per liter indicate the results are below detectable limits.

Oil Range Organics

TPH by TNRCC 1005

Site	1/30/24	2/27/24	4/2/24	4/30/24	5/30/24	6/25/24	7/31/24	8/20/24	9/12/24	10/17/24	11/14/24	12/12/24	1/16/25	2/25/25
ZL1 Kayak Gate	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55
ZL2 Pedestrian Bridge	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55
ZL3 Boat Ramp	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55
ZL4 I-244 Bridge	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55	<4.55

Units are mg/L Oil range organics tests below 4.55 milligrams per liter indicate the results are below detectable limits.