



GOBIERNO DE PUERTO RICO

Autoridad de Acueductos y Alcantarillados

Adopted Local Limits for Bayamón RWWTP

The Bayamón Regional Wastewater Treatment Plant (RWWTP) is located at Road 869 KM 2.9 Barrio Palmas at the Municipality of Cataño. The plant operates under National Pollutant Discharge Elimination System (NPDES) permit number PR0023728. The treatment process consists of an influent pumping station, mechanical bar screen, grit removal, primary clarifiers, sludge handling facilities, and disinfection via chlorine injection. The effluent is then discharged into the Atlantic Ocean. The sludge-handling facilities consist of gravity thickeners and belt filter presses for dewatering. The sludge is then disposed of in an approved landfill. Sludge may also be sent for disposal at the Puerto Nuevo Incinerator.

PRASA has completed a Technically Based Local Limits (TBLL) evaluation to meet NPDES requirements for the Bayamón RWWTP. The limits that will be adopted by PRASA have been developed in accordance with EPA's Technical Support Document *Local Limits Development Guidance*¹ and in accordance with NPDES Permit No. PR0023728 - Part 1, A. Special Conditions, No. 21b. Table 1 lists the local limits to be adopted by PRASA.

Table 1. Adopted Local Limits

Parameter	Previous Limit	Adopted Local Limit
Arsenic	3.45 mg/L	3.450 mg/L
Beryllium	No Limit	3.220 mg/L
Cadmium	0.10 mg/L	0.100 mg/L
Chromium	1.0 mg/L	1.000 mg/L
Copper	0.5 mg/L	0.500 mg/L
Cyanide (Total)	0.1 mg/L	0.100 mg/L
Lead	0.1 mg/L	0.200 mg/L
Mercury	0.05 mg/L	0.030 mg/L
Nickel	0.5 mg/L	0.500 mg/L
Selenium	No Limit	0.200 mg/L
Silver	0.1 mg/L	0.280 mg/L
Thallium	No Limit	0.260 mg/L
Zinc	0.5 mg/L	0.500 mg/L
Flow	No Limit	No Limit
BOD ₅	250 mg/L surcharge level	250 mg/L surcharge level
TSS	250 mg/L surcharge level	250 mg/L surcharge level
Nitrogen (NO ₃ , NO ₂ , NH ₃)	No Limit	No limit
Color	No Limit	250 Pt/Co Units

¹U.S. Environmental Protection Agency Office of Wastewater Management. 2004. *Local Limits Development Guidance*. EPA Publication EPA 833-R-04-002A. July.



Table 1. Adopted Local Limits

Parameter	Previous Limit	Adopted Local Limit
Phenols ^a	MO	1.0 mg/L
pH	6.5–9.0 SU	6.5–9.0 SU
Oil and Grease (O&G)	50 mg/L Total O&G	50 mg/L Total O&G
Temperature	40°C	40°C (104°F) at POTW 60°C (140°F) from SIU
Flammability	Specified as flashpoint >140 (°F)	No two consecutive readings at ≥5% LEL, and no reading of ≥10% LEL allowed
TTO	MO	No Limit

^a Total phenols minus unsubstituted phenol

Notes:

BOD₅ = 5-day biochemical oxygen demand

LEL = lower explosive limit

mg/L = milligram(s) per liter

POTW = publicly owned treatment works

Pt/Co = platinum cobalt

SIU = significant industrial user

SU = standard units

TSS = total suspended solids

TTO = total toxic organics

For parameters where no limit has been adopted, PRASA reserves the right to establish limits on a case-by-case basis when an industry discharges in amounts that could cause interference or pass-through.