



GOBIERNO DE PUERTO RICO

Autoridad de Acueductos y Alcantarillados

Adopted Local Limits for Puerto Nuevo RWWTP

The Puerto Nuevo RWWTP is located at Road 2 Km 2 John F. Kennedy Avenue in the Municipality of San Juan. The plant operates under National Pollutant Discharge Elimination System (NPDES) permit number PR0021555. The treatment process consists of an influent pumping station, mechanical bar screens, 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, belt filter presses for dewatering, and an incinerator for biosolids disposal.

PRASA has completed a Technically Based Local Limits (TBLL) evaluation to meet NPDES requirements for the Puerto Nuevo 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. PR0021555 Part 1, A. Special Conditions, No. 21. Table 1 lists the local limits to be adopted by PRASA.

Table 1. Adopted Local Limits

Parameter	Previous Limit	Adopted Local Limit
Arsenic	0.75 mg/L	0.750 mg/L
Beryllium	No Limit	4.960 mg/L
Cadmium	0.077 mg/L	0.10 mg/L
Chromium	0.50 mg/L	1.00 mg/L
Copper	0.5 mg/L	1.00 mg/L
Cyanide (Total)	Monitor Only	0.10 mg/L
Lead	0.1 mg/L	0.20 mg/L
Mercury	0.02 mg/L	0.02 mg/L
Nickel	0.5 mg/L	0.81 mg/L
Nitrogen	No Limit	No Limit
Selenium	0.306 mg/L	0.20 mg/L
Silver	Monitor Only	0.30 mg/L
Thallium	13.3	0.74 mg/L
Zinc	Monitor Only	9.95 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
Phenols ^a	Monitor Only	1.0 mg/L

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



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Parameter	Previous Limit	Adopted Local Limit
pH	6.5–9.0 SU	6.5–9.0 SU
Oil and Grease	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
Total Toxic Organic	Monitor Only	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.