



GOBIERNO DE PUERTO RICO

Autoridad de Acueductos y Alcantarillados

Adopted Local Limits for Camuy-Hatillo RWWTP

The Camuy-Hatillo Regional Wastewater Treatment Plant (RWWTP) is located at Road 485 Km. 3.5 Membrillo Ward in the Bajura Sector at the Municipality of Camuy. The plant operates under National Pollutant Discharge Elimination System (NPDES) permit number PR0023744. The treatment process consists of mechanical bar screening, influent pumping system, grit chambers, primary clarifiers, first stage biofilters, intermediate clarifiers, second stage biofilters, and chlorination prior to discharge.

The sludge-handling facilities consist of a thickener followed by dewatering with belt filter presses. The sludge cake is transported by truck to the Arecibo composting facility for conversion into Class A compost.

PRASA has completed a Technically Based Local Limits (TBLL) evaluation to meet NPDES requirements for the Camuy-Hatillo 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. PR0023744 Part IV.B.5.a.1). Table 1 lists the local limits to be adopted by PRASA.

Table 1. Adopted Local Limits

Parameter	Previous Limit	Adopted Local Limit
Arsenic	Monitor Only	2.980 mg/L
Cadmium	0.10 mg/L	0.780 mg/L
Chromium	1.0 mg/L	1.000 mg/L
Copper	0.50 mg/L	0.008 mg/L
Cyanide (Free)	0.05 mg/L	0.134 mg/L
Lead	0.14 mg/L	0.140 mg/L
Manganese	3.0 mg/L	No Limit
Mercury	0.05 mg/L	0.016 mg/L
Molybdenum	No Limit	10.100 mg/L
Nickel	0.5 mg/L	0.830 mg/L
Selenium	No Limit	6.18 mg/L
Silver	0.025 mg/L	0.466 mg/L
Zinc	0.25 mg/L	0.250 mg/L
Surfactants as MBAS	14.0 mg/L	14.0 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
Color	No Limit	Monitor Only

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
Nitrogen (NH ₃ +NO ₃ +NO ₂)	No Limit	Monitor Only
Phenols ^a	0.25 mg/L	1.0 mg/L
pH	6.5–9.0 SU	7.3–9.0 SU
Oil and Grease (O&G)	50 mg/L Total O&G	50 mg/L Total O&G
Temperature	60°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

^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

SIU = significant industrial user

SU = standard units

TSS = total suspended solids

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.