



GOBIERNO DE PUERTO RICO

Autoridad de Acueductos y Alcantarillados

Adopted Local Limits for Aguadilla RWWTP

The Aguadilla Regional Wastewater Treatment Plant (RWWTP) is located on State Road 115 Km. 25 Interior Barrio Asomante at the Municipality of Aguada. The plant operates under National Pollutant Discharge Elimination System (NPDES) permit number PR0023736.

The treatment process consists of preliminary screening, grit removal, primary clarifiers, gravity thickening, sludge dewatering facilities, and disinfection via chlorine injection. The treated effluent from the plant is then discharged offshore into the Atlantic Ocean through a high-rate diffuser outfall. The sludge-handling facilities dewater the sludge, which is then treated to create Class A compost.

PRASA has completed a Technically Based Local Limits (TBLL) evaluation to meet NPDES requirements for the Aguadilla 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. PR0023736-Part IV.B.24.b.1) a) and b). Table 1 lists the local limits to be adopted by PRASA.

Table 1. Adopted Local Limits

Parameter	Previous Local Limit	Adopted Local Limit
Arsenic	0.72 mg/L	0.28 mg/L
Cadmium	0.10 mg/L	0.27 mg/L
Chromium	1.0 mg/L	1.0 mg/L
Copper	1.0 mg/L	1.0 mg/L
Cyanide	0.10 mg/L	0.16 mg/L
Fluoride	9.43 mg/L	No Limit
Lead	0.2 mg/L	1.8 mg/L
Manganese	2.0 mg/L	No Limit
Mercury	0.016 mg/L	0.01 mg/L
Molybdenum	0.365 mg/L	0.85 mg/L
Nickel	0.5 mg/L	0.22 mg/L
Nitrogen (NO ₃ , NO ₂ , NH ₃)	No Limit	No Limit
Selenium	0.20 mg/L	1.6 mg/L
Silver	0.05 mg/L	0.27 mg/L
Zinc	0.5 mg/L	0.5 mg/L
Surfactants as MBAS	9.0 mg/L	9.0 mg/L
Flow	No Limit	No Limit
BOD ₅	250 mg/L surcharge level	250 mg/L surcharge level

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 Local Limit	Adopted Local Limit
TSS	250 mg/L surcharge level	250 mg/L surcharge level
Color	No Limit	250 Pt/Co Units
pH	6.5–9.0 SU	6.5–9.0 SU
Phenols ^a (phenolic substances)	0.5 mg/L	1.0 mg/L
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 the POTW 60°C (140°F) at discharge point
Flammability	Specified as flashpoint >140 (°F)	No two consecutive readings at ≥5% Lower Explosive Limit (LEL), and no reading of ≥10% LEL allowed
TTO (mg/L)	2.13 mg/L	2.13 mg/L

^a Total phenols minus unsubstituted phenol

Notes:

BOD₅ = 5-day biochemical oxygen demand

LEL = lower explosive limit

MBAS = methylene blue active substances

mg/L = milligram(s) per liter

POTW = publicly owned treatment works

Pt/Co = platinum cobalt

SIU = significant industrial user

SU = standard units

TDS = total dissolved solids

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.