

EVERGLADES STORMWATER TREATMENT AREAS

**TOTAL PHOSPHORUS
ANNUAL FLOW-WEIGHTED MEAN OUTFLOW
CONCENTRATIONS FOR
WATER YEARS 2013 THROUGH 2017**

JULY 2017

**EFA PERMIT: 0311207
NPDES PERMIT: FL0778451
EFA CONSENT ORDER: OGC No. 12-1149
NPDES CONSENT ORDER: OGC No. 12-1148**



**SUBMITTED BY
SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

This report is submitted by the South Florida Water Management District (SFWMD) to the Florida Department of Environmental Protection (FDEP) in accordance with requirements set forth in the Everglades Forever Act (EFA) Permit for the Everglades Construction Project (Permit number 0311207), the State of Florida National Pollutant Discharge Elimination System (NPDES) Industrial Wastewater Facility Permit (FL0778451) and accompanying Consent Orders issued by FDEP on September 10, 2012.

Specific Condition 15A of the EFA Permit, Section I.A.5 of the NPDES Permit and paragraph 13 of the respective Consent Orders require SFWMD, by July 28 each year, to report the total phosphorus annual flow-weighted mean (TP AFWM) outflow concentration for each Stormwater Treatment Area (STA; facility) for the preceding water year (May 1 through April 30) and the previous four water years. Values for the previous four water years are the same values as were reported in previous South Florida Environmental Reports.

Each value reported in the table below is the TP AFWM concentration for all the combined outflow structures for an individual STA. The computed values are rounded to the nearest whole number, in accordance with Table 1 of the EFA permit and reported in parts per billion (ppb). Evaluation of STA performance, including a comparison of outflow phosphorus concentrations with the Water Quality Based Effluent Limit (WQBEL), will be reported in the 2018 South Florida Environmental Report in accordance with Specific Condition 25C of the EFA Permit.

Total Phosphorus Annual Flow-weighted Mean Outflow Concentrations (ppb)

Facility	Water Year ¹ 2017	Water Year 2016	Water Year 2015	Water Year 2014	Water Year 2013
STA-1E	20	19	21	41	26
STA-1W	23	36	19	24	36
STA-2	14	18	16	19	22
STA-3/4	11	12	15	14	14
STA-5/6	18	29	32	23	17

¹A water year begins May 1 and ends April 30. For example, Water Year 2017 is from May 1, 2016 through April 30, 2017.

Report prepared under the supervision of:

Stuart Van Horn, PE
 Bureau Chief, Water Quality

07/18/17
 Date

Report reviewed and approved by:

Ernie Marks
 Director, Everglades Policy and Coordination Division

07/21/17
 Date