Operational Project Monitoring Plan

For

EASTERN FLOW-WAY
STORMWATER TREATMENT AREA ONE EAST

(ST1E)

Effective Date Upon Final Signature

11/21/2024

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SFWMD-FIELD-MP-046-11

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1.0 Project Organization

The following documents define the procedures used by South Florida Water Management District (SFWMD or District) Water Quality Monitoring (WQMS) personnel to meet the Florida Department of Environmental Protection's (FDEP or Department) Quality Assurance (QA) Rule, Florida Administrative Code (F.A.C.) 62-160, and should be referred to for details on key personnel and relevant responsibilities.

- Overall project organization and responsibilities -
  - SFWMD Water Quality Bureau (WQB) and Applied Sciences Bureau (ASB) Quality Management Plan (QMP).
- Field activity and data validation responsibilities -
  - SFWMD WQMS Quality Manual (QM), Field Sampling Manual (FSM), and applicable Standard Operating Procedures (SOP).
- Laboratory analysis and data validation responsibilities –
  - SFWMD Analytical Service's (AS) Chemistry Laboratory Quality Manual (CLQM) and applicable SOPs.

2.0 Project Description

2.1 Project Introduction and Background

This document serves as a reference for surface water quality monitoring for Stormwater Treatment Area 1 East (ST1E). This operational monitoring plan (MP) contains descriptions of the mandate(s) justifying monitoring including frequency of collection and parameters by station.

Surface water monitoring at ST1E began in 2004 as part of the Everglades Construction Project (ECP). The construction, operation and maintenance of this ECP is required by the Everglades Forever Act (EFA) as part of the Everglades ecosystem's restoration.

Due to the proliferation of Everglades STAs and STA structures under the EFA, guidelines were established and implemented (Ten Rules) in order to standardize the monitoring. Although referred to as the Ten Rules, they are actually guidelines and have some built in flexibility.The implementation of these guidelines no longer requires autosamplers for interior monitoring, therefore, the autosamplers were disabled at all interior stations in 2011 and since have been monitored following the recorded flow strategy on a weekly, biweekly or monthly recorded flow frequency.

Based on a special request from Loxahatchee National Wildlife Refuge (LNWR), the Technical Oversight Committee (TOC) agreed to reduce the frequency of monitoring at G300 in April 2016. This structure opening is not on a routine scheduled basis and is contingent on the water supply or, on a rare occasion, diversion needs. The autosampler was decommissioned and the frequency of collection was modified from weekly/biweekly monitoring to weekly recorded flow (i.e. Response Monitoring). WQMS has requested to be notified of structure operations at G300, however, collection is determined using the recorded flow strategy. In addition to the changes made to the frequency of collection at

G300, LNWR requested additional parameters be monitored at G300 and G311 (see Appendix 1).

In April 2020, the Environmental Monitoring Review Team (EMRT) reevaluated STA interior monitoring originally described in the 2003 Long-Term Plan. These data are used to evaluate STA performance at the treatment cell level on an as-needed basis to diagnose or evaluate performance issues. EMRT approved to discontinue previous routine monitoring at many of the interior stations and transition to monitoring interior stations for specific operational purposes with end dates (EMRT# 202003-1). Monitoring at interior stations in ST1E Western Flow-way will continue and be used to assess performance of treatment cells following the Restoration Strategies improvements projects. Monitoring will end approximately 2 years following the end of the construction and start of operation. The Central and Eastern Flow-ways interior monitoring has been discontinued.

ST1E includes 22 stations (Table 1) consisting of three (3) inflow stations, seven (7) outflow and flow-way end stations, one (1) diversion station, and eleven (11) flow-way start and interior stations. The guidance contained herein is intended to assist in maintaining consistency in sampling stations, parameters, and collection frequencies, as well as providing documentation of the project's scope and an ongoing historical perspective.

2.2 Sampling Mandates

Station locations, sampling frequencies, and parameters are dictated by the mandates governing this project (Appendix 1). The Compliance Monitoring Plan(s) (CMP) associated with this project is Everglades-STA-CMP-033.

As a part of the Eastern Flow-way component of the ECP, ST1E is subject to both the EFA Permit (#0311207) and the National Pollutant Discharge Elimination System Industrial Wastewater Facility (NPDES) Permit (#FL0778451), both issued on September 29, 2022 with a expiration date of September 29, 2027. These permits dictate the types and frequencies of monitoring to be done, and the parameters to be analyzed.

A history of mandate modifications follows:

- EFA 0311207-001 — Issued 09/10/2012, with an expiration of 09/09/2017, is a permit authorizing construction, operation, and maintenance activities of the STAs.
- EFA 0311207-002 — Issued 03/16/2013, an expemption to allow installation of S-6 Pump Station Communication Tower.
- EFA 0311207-003 — Issued 09/24/2015, modification authorizing construction and operation of the S-375 Expansion (G-176) project within STA-1E.

- EFA 0311207-004 Issued 01/21/2015, modification authorizing construction and operation of the STA-1W Expansion #1 project.
- EFA 0311207-005 Issued 06/12/2015, to construct and operation the S-375 Expansion (G-716) project within STA-1E
- EFA 0311207-006 Issued 08/18/2017, with an expiration of 09/09/2022, is a modification that renewed the permit for five years.
- EFA 0311207-007 Issued 08/12/2020, is a modification authorizing construction of the STA-1W Expansion #2 project.
- EFA 0311207-008 Issued 09/29/2022, with an expiration of 09/29/2027, is a modification that renewed the permit for five years.
- NPDES FL0778451 Issued 09/10/2012, with an expiration of 09/09/2017, constitutes authorization to discharge to waters of the state under the National Pollutant Discharge Elimination System (NPDES) Program.
- NPDES FL0778451-002 Withdrawn.
- NPDES FL0778451-003 Issued 09/6/2017, with an expiration of 09/09/2022, renewed the permit for five years.
- NPDES FL0778451-004 Issued 09/29/2022, with an expiration of 09/29/2027, renewed the permit for five years.

2.3 Project Objectives

The primary objectives of this monitoring project are to:

1. Assess compliance with applicable water quality standards and phosphorus discharge limits;
2. Aid in determining the nutrient concentrations to quantify the tons of nutrients removed by the Stormwater Treatment Area (STA) annually; and
3. Guide mid- and long-term resource management decisions for nutrient removal capabilities of the STA.

2.3.1 Modification or Termination Conditions

The monitoring described herein will continue as required by the mandate(s) listed in Section 2.2 and Appendix 1. Conditions for modification or termination of the project are detailed in the mandate(s) specifying the conditions of the project.

3.0 Geographic Location

3.1 Regional Area

ST1E is located at the northern most section of Water Conservation Area (WCA) 1, and adjacent to the C-51 Canal to the north within Palm Beach County.

3.2 Sampling Locations and Access

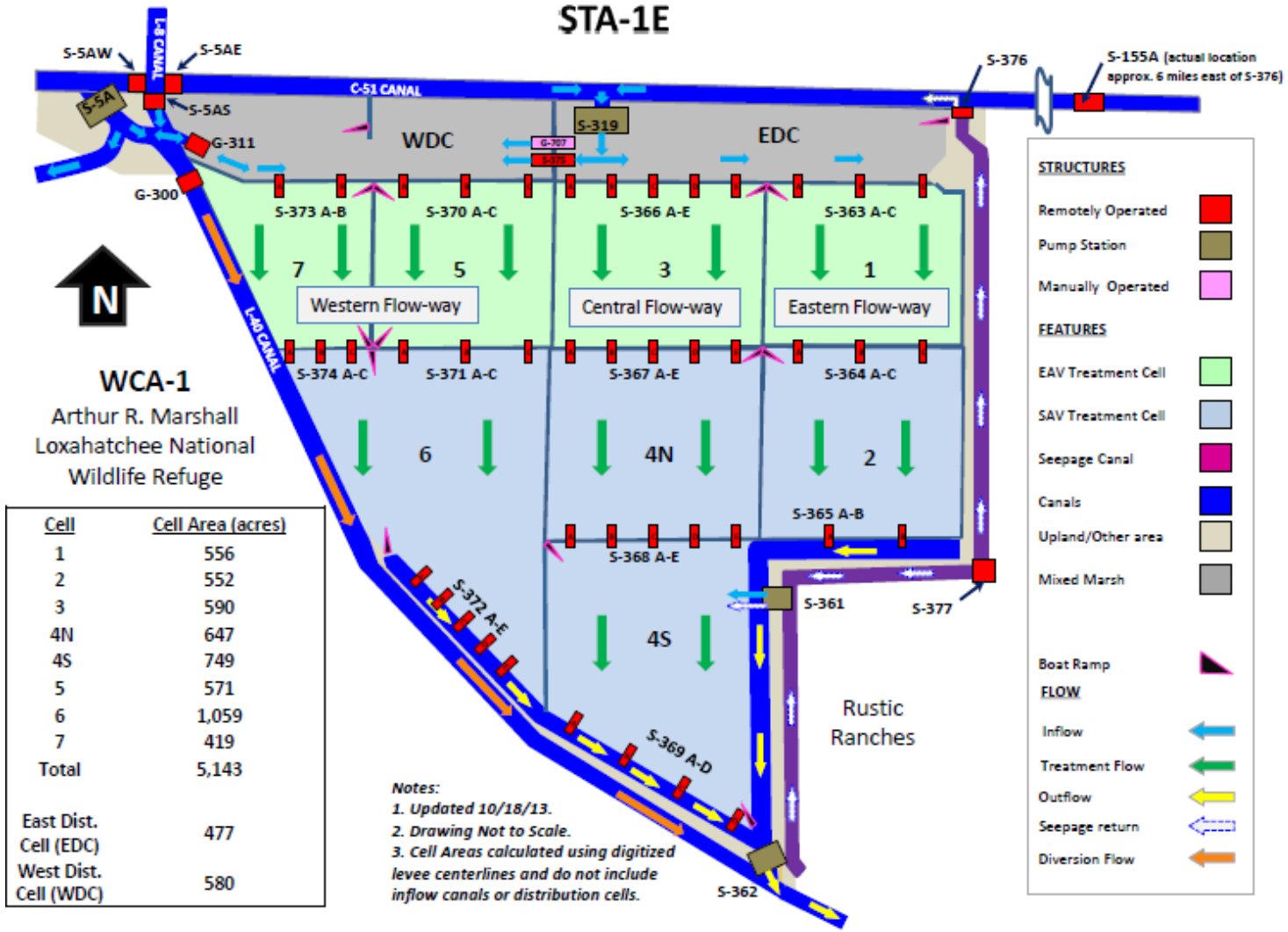
Monitoring stations are described in Table 1 with locations described in Figure 1.

The gates on roadways into ST1E are secured with a District Palm Beach County "W" lock. The lock requires a "W" key which can be obtained through a request made through the Field Project Manager (FPM) and/or Science Technician Supervisor. Access to the east side of ST1E is from SR80 to Flying Cow Road, to McArtrhur Dairy Road. Access to the west side of ST1E is from SR80, south to District levee just east of L-8 canal and S5A pump station.

Table 1: ST1E Surface Water Monitoring Stations and GPS Coordinates

Station	Latitude (ddmmss.sss)	Longitude (ddmmss.sss)	Description
G300	264038.300	802146.990	Gated structure on western edge of ST1E receiving water from S5A Inflow & Distribution Basin and diverting it to the L-40 Canal
G311	264046.17	802148.293	Inflow gated structure into western distribution cell
S319	264057.924	801934.079	Primary inflow pump station – C51 canal into eastern distribution cell. Sample platform located north of pump station.
S361	263854.913	801857.858	Seepage return flow pump station into cell 4S. Sample platform on east side of pump station.
S362	263732.611	801904.292	Primary outflow pump station into L-40 canal. Sample platform located northwest of pump station across canal / access from cell 4S side.
S363C	264036.375	801817.071	Cell 1 East inflow (start)
S365A	263901.39	801842.135	Cell 2 west outflow (end)
S365B	263901.377	801814.822	PSTA/cell 2 east outflow (end)
S366B	264035.856	801934.762	Cell 3 west inflow (start)
S366D	264035.736	801913.657	Cell 3 east inflow (start)
S369B	263752.725	801933.627	Cell 4S west outflow (end)
S369C	263744.812	801920.258	Cell 4S east outflow (end)
S370A	264035.950	802039.098	Cell 5 west inflow (start)
S370C	264035.929	802002.05	Cell 5 east inflow (start)
S371A	263948.787	802042.717	Cell 5 west outflow/cell 6 inflow (interior)
S371C	263948.681	802004.282	Cell 5 east outflow/cell 6 inflow (interior)
S372B	263835.000	802026.000	Cell 6 west outflow (end)
S372D	263814.558	802005.160	Cell 6 east outflow (end)
S373A	264037.506	802133.925	Cell 7 west inflow (start)
S373B	264036.000	802102.77	Cell 7 east inflow (start)
S374A	263948.670	802113.836	Cell 7 west outflow/cell 6 inflow (interior)
S374C	263948.792	802056.486	Cell 7 east outflow/cell 6 inflow (interior)

The standard positional goal for station coordinates is detailed in the Establishing & Verifying Water Quality Monitoring Station Registration SOP (SFWMD-FIELD-SOP-031). The coordinates are relative to NAD83 HARN horizontal datum.



Cell	Cell Area (acres)
1	556
2	552
3	590
4N	647
4S	749
5	571
6	1,059
7	419
Total	5,143
East Dist. Cell (EDC)	477
West Dist. Cell (WDC)	580

Figure 1: ST1E Station Locations

4.0 Field Activities

4.1 Monitoring Frequencies and Parameters Collected

All monitoring parameters, frequencies of collection and locations are listed in Table 2. Some analytes may be reported by the lab that are not requested by the project.

Stations collected on a frequency determined by recorded flow are sampled following the SOP outlined in the Sampling Flow-Related Stations SOP (SFWMD-FIELD-SOP-027). If no flow (i.e., no operations) is recorded during the prescribed time period, the station is designated as a No Bottle (NOB) sample and the structure is not visited unless other parameters (i.e., TP) are required to be collected regardless of flow. Diversion Structures are only monitored if flowing, NOBs are not assigned during nonflow periods.

Table 2: ST1E Station Frequency and Parameter TESTS

Station	Collection Method	Frequency	Parameter TESTS
Outflow Station			
S362	Grab	Weekly (W)	Total Phosphorus (TP), Dissolved Oxygen (DO*), pH (PH*), Specific Conductance (SCOND*), Temperature (TEMP*)
	Grab	Biweekly Recorded Flow (BWRF)	Alkalinity (ALKA), Ammonia (NH4), Calcium (CA), Chloride (CL), Magnesium (MG), Nitrate-Nitrite (NOX), Orthophosphorus (OPO4), Potassium (K), Sulfate (SO4), Sodium (NA), Total Dissolved Phosphorus (TDPO4), Total Nitrogen (TN), Total Suspended Solids (TSS)
	Grab	Quarterly (Q)	Dissolved Organic Carbon (DOC)
	Flow Composite Autosampler (ACF)	W	TP
Inflow Stations			
G311	Grab	W	TP, DO*, PH*, SCOND*, TEMP*
	Grab	Weekly Recorded Flow (WRF)	ALKA, NH4, CA, CL, MG, NOX, OPO4, K, NA, Silica (SI02), SO4, TDPO4, TN, TSS
	Grab	Q	DOC
	ACF	W	TP
S319 S361	Grab	W	TP, DO*, PH*, SCOND*, TEMP*
	Grab	WRF	ALKA, NH4, CA, CL, NOX, OPO4, SO4, TDPO4, TN, TSS
	Grab	Q	DOC
	ACF	W	TP

Diversion Station			
G300	Grab	WRF (Response Monitoring)	ALKA, NH4, CA, CL, MG, NOX, OPO4, K, NA, SO4, TDPO4, TN, TP, TSS, DO*, PH*, SCOND*, TEMP*
Flow Way Start Stations			
S363C S366B S366D S370A S370C S373A S373B	Grab	BWRF	CA, TP, DO*, PH*, SCOND*, TEMP*
Flow Way Interior Stations			
S371A S371C S374A S374C	Grab	Monthly Recorded Flow (MRF)	CA, OPO4, TDPO4, TP, DO*, PH*, SCOND*, TEMP*
Flow Way End Stations			
S365A S365B S369B S369C S372B S372D	Grab	WRF	CA, OPO4, TDPO4, TP, DO*, PH*, SCOND*, TEMP*
	Grab	Q	DOC

*In Situ Grab

4.2 Project Specific Guidelines

Surface water grab samples are collected on the upstream side of the structure, at a depth of 0.5 meters, unless collection of a representative sample is inhibited by vegetation and/or other conditions, or if specific sampling depths are specified in the associated SOP or FSM for the sampling method. If an alternative sampling location is required, a consultation with a STS and/or the FPM must take place prior to the sampling being collected; this action must be documented in the field notes.

4.3 Grab Sampling Procedures

Sample collection for this project follows the procedures and requirements found in the *Grab Sampling Protocol* section of the WQMS FSM. Project-specific deviations are detailed in Section 4.2.

4.4 Field Parameters

The collection of field parameters follows the procedures and requirements outlined in the *Instrument Calibration and Field Measurements* section of the WQMS FSM. Project-specific deviations are detailed in Section 4.2.

4.5 Field Quality Control Requirements

Field quality control requirements shall follow the procedures found in the *Field Quality Control Measurements and Requirements* section of the WQMS FSM.

4.6 Autosampler Collection

Autosampler samples are collected in accordance with the *Autosamplers SOP (SFWMD-FIELD-SOP-038).* Project-specific deviations are detailed in Section 4.2. The intake for the autosampler is affixed to a float or structure at depth.

For this project, samples are collected as flow-proportional (ACF) at stations identified in Table 2. Station-specific "trigger volumes" are established through the protocols described by Abtew and Powell (2004). Discrete bottles within each autosampler are pre-acidified and composited on a weekly basis and analyzed for TP.

4.7 Sample Submission

When the District laboratory is used, samples are transported to the laboratory and submitted for analyses in accordance with the requirements specified in the WQMS FSM. Samples are submitted to the laboratory on the same day as collection or via courier the following day. Sample acceptance criteria are detailed in Section 6 of the CLQM. If samples are submitted to another laboratory it must meet the contract laboratory requirements as specified in Section 5.2 below.

5.0 Data Quality Objectives (DQOs)

5.1 Data Usage and Reporting

The data from this project are compiled and are summarized in an annual report in accordance with the conditions outlined in the mandate(s) named in Appendix 1.

5.2 Data Quality

All monitoring described herein meet the requirements conveyed in the FDEP's QA Rule, 62-160 F.A.C. The District has adopted a uniform set of DQOs following criteria detailed within the *Analytical Methods and Default QA/QC Targets* table of the CLQM.

Field parameter DQOs are described in the *Field Instrument Minimum Accuracy Requirements* table found in the *Instrument Calibration and Field Measurements* section of the FSM. The most recent version of the FSM details the specific field testing DQOs at the time of sample collection.

Samples are analyzed according to the provisions within the FDEP QA Rule, 62-160 F.A.C. and the CLQM. The most recent version of the CLQM details DQOs at the time of sample collection for each specific laboratory analysis. Data are qualified in accordance with the FSM, CLQM and applicable data validation SOPs.

No contract laboratory is being used.

5.3 Completeness Target

The completeness target (i.e., the number of samples successfully collected and analyzed, as a percentage of those that were planned) has been set at 95% annually for this project. At times a sampling attempt will be made, but samples will not be able to be collected because of no flow or low water conditions, unsafe station conditions, equipment malfunction, vegetation or other site impacts that may affect the representativeness of a sample, tropical storms/hurricanes or other unforeseen problems that might affect sample collection and/or quality. If samples cannot be collected on an attempt, collectors shall document the sample as a "NOB" to indicate an attempt was made and/or the sample could not be collected for the documented reasons. Sampling attempts are included with successfully collected and analyzed samples in the completeness target.

6.0 Data and Records Management

The District evaluates data in accordance with the data quality objectives stated in the District's FSM and CLQM. All data submittals shall conform to existing District guidelines.

6.1 Contract Deliverables

There are no contract deliverables for this project.

6.2 Data and Record Storage

After the data validation process, all data and records are maintained so that end users can retrieve and review information relative to a sampling event. Field records are maintained in accordance with the *Archive Records Storage and Retention* SOP (SFWMD-FIELD-SOP-022). All analytical data and specified metadata are sent to the DBHYDRO database for long-term storage and retrieval.

The District shall maintain master copies of field and laboratory generated records. It is the responsibility of the District to maintain both records of current and historical methodologies and operating procedures so that at any given time the conditions that were applied to a sampling event can be evaluated.

Field records storage protocols are outlined in the *Archive Records Storage and Retention* (SFWMD-FIELD-SOP-022). Corrections of field data, records or data in DBHYDRO must follow the WQMS *Correction of Field Records SOP* (SFWMD-FIELD-SOP-032) and the FSM.

7.0 References

Abtew, W. and Powell, B. (2004). Water Quality Sampling Schemes for Variable Flow Canals at Remote Sites. *Journal of the American Water Resources Association (JAWRA) 40*(5):1197-1204.

FDEP (Florida Department of Environmental Protection). Quality Assurance Rule, 62-160 Florida Administrative Code (F.A.C.). April 16, 2018.

SFWMD (South Florida Water Management District). *Archive Records Storage and Retention*, SFWMD-FIELD-SOP-022, Water Quality Monitoring Section

SFWMD. *Chemistry Laboratory Quality Manual (CLQM)*, SFWMD-LAB-QM-001, most current effective version. Analytical Services Section.

SFWMD. *Correction of Field Records*, SFWMD-FIELD-SOP-032, Water Quality Monitoring Section

SFWMD. *Field Sampling Manual (FSM),* SFWMD-FIELD-FSM-001, Water Quality Monitoring Section.

SFWMD. *Field Quality Manual (QM)*, SFWMD-FIELD-QM-001, Water Quality Monitoring Section.

SFWMD. *Sampling Flow-Related Stations*, SFWMD-FIELD-SOP-027, Water Quality Monitoring Section.

SFWMD. *Station Registration*, SFWMD-FIELD-SOP-031, Water Quality Monitoring Section.

SFWMD. *Water Quality and Applied Sciences Bureaus Quality Management Plan (QMP)*, SFWMD-QS-QM-001. Applied Sciences and Water Quality Bureaus.

8.0 Revisions and Modifications

Version	Date (Month/Year)*	Section	Notes
01	02/06/2007	All	MP created
02	08/01/2011	All	Annual Review. Remove C-51 Basin Divide Structure S-155A from water quality monitoring in ST1E (12/09). Begin collecting grab samples at LTP sites based upon bi-weekly or monthly recorded flow. Autosamplers at LTP sites shutdown.
03	01/09/2014	All	Monitoring plan modified to conform to requirements of EFA Permit #0311207, NPDES Permit # FL0778451, and their associated Consent Orders as well as STA Operational considerations.
		All	Annual Review
	03/04/2014	Table 2	Compliance with Settlement Agreement. Added Ca, Cl, NH4, and TSS to G300. Deleted SO4.
	01/22/2015	NA	Updated document to reflect revised template and signature page.
	05/19/2015	Table 2 and Mandate Table	Compliance with STA Operations. Added Quarterly DOC and BW Ammonia (NH4) to S362.
04	02/16/2016	ALL	Document update and Table modifications (in new Template)
05	10/10/2016	ALL	Deleted Glossary section; formatting changes throughout monitoring plan.
		Table 2, Appendix 1, 4.1	Added MG, NA,K, SI02 to station G311 per special request by Loxahatchee National Wildlife Refuge. Added language to section 4.1 regarding change.
		Table 2, Appendix 1, 4.1	Changed frequency at G300 from Weekly/Biweekly to Weekly (Response Monitoring) in addition to adding parameters NA, MG, K, SO4; added language in section 4.1 in regards to change.
06	05/03/2017	Table 2, Appendix 1	Updated frequency/parameters under Settlement Agreement for S362.
		Appendix 1	Updated missing TP/WRF under NPDES/EFA for G300.
		Appendix 1	Updated missing TURB requirement under EFA for S362.
		Appendix 2	Implemented the termination of all site specific mercury monitoring at STA-1E.
07	05/21/2018	ALL	Annual review. Updated start/expiration dates for EFA and NPDES.
08	5/27/2020	ALL, Table 1, Table 2, 2.1, Appendix 1	Annual review. Update format to current OMP template. Update WQM QA FSM & QM references. Removed Central and Eastern flow-way interior stations as part of EMRT 202003-1; approved April 2020 to reduce internal monitoring thoughout the STAs.
09	12/07/2021	All	Updated to match the most current MP Template language (Template Version Date April 28, 2021). Replaced Figure 1 (map of STAs and WCAs) with Figure 2 - now ONLY Figure 1 in this version.

10	03/28/2023	All	Update to OMP Template MPT-001-07. Update EFA & NPDES permit renewal dates. G300 monitoring removed from Settlement Agreement to fall completely under Loxahatchee Wildlife Refuge Special Request monitoring under guidance from Pete Rawlik and TOC meeting notes dated 04.26.2016.
11	11/2024	All	Updated to the current MP Template (MPT-001-08). Removed all Settlement Agreement monitoring per EMRT#202409-3; added BWRF TESTS - ALKA, CA, CL, K, MG, NA, S04 - as part of ion balance calculation per EMRT agreement at outflow structure, S362. Remove preemptive sampling event language at G300 after approval from Linda Crean and John Moorman on 11/19/24; sampling will be based on WRF (Response Monitoring) only.

* When the new draft is created, the previous version's Date is changed to the exact Effective Date.

Appendix 1: Station Requirements by Mandate

Station	Mandate	Collection Method	Frequency	Parameter TESTS
S362	National Pollution Discharge Elimination System (NPDES FL0778451	Flow Composite Autosampler (ACF)	Weekly (W)	Total Phosphorus (TP)
		Grab	Weekly Recorded Flow (WRF)	TP, pH (PH*)
	Everglades Forever Act (EFA #0311207)	ACF	W	TP
		Grab	WRF	TP, Dissolved Oxygen (DO*), PH*, Specific Conductivity (SCOND*), Temperature (TEMP*)
		Grab	Biweekly Recorded Flow (BWRF)	Alkalinity (ALKA), Nitrite-Nitrate (NOX), Sulfate (SO4), Total Nitrogen (TN)
	EMRT# 202409-3	Grab	BWRF	ALKA, Calcium (CA), Chloride (CL), Potassium (K), Magnesium (Mg), Sodium (Na), SO4
	STA Operations	ACF	W	TP
		Grab	W	TP, DO*, PH*, SCOND*, TEMP*
		Grab	BWRF	ALKA, Ammonia (NH4), CA, CL, NOX, Orthophospate (OP04), S04, Total Dissolved Phosphate (TDP04), TN, Total Suspended Solids (TSS)
		Grab	Quarterly (Q)	Dissolved Organic Carbon (DOC)
S319 S361	NPDES FL0778451	ACF	W	TP
		Grab	WRF	TP
	EFA #0311207	ACF	W	TP
		Grab	WRF	TP, PH*, SCOND*, TEMP*
		Grab	BWRF	ALKA, NOX, SO4, TN
	STA Operations	ACF	W	TP
		Grab	W	TP, DO*, PH*, SCOND*, TEMP*
		Grab	WRF	ALKA, NH4, CA, CL, NOX, OPO4, SO4, TDPO4, TN, TSS
		Grab	Q	DOC

G311	NPDES FL0778451	ACF	W	TP
		Grab	WRF	TP
	EFA #0311207	ACF	W	TP
		Grab	WRF	TP, PH*, SCOND*, TEMP*
		Grab	BWRF	ALKA, NOX, SO4, TN
	STA Operations	ACF	W	TP
		Grab	W	TP, DO*, PH*, SCOND*, TEMP*
		Grab	WRF	ALKA, NH4, CA, CL, NOX, OPO4, SO4, TDPO4, TN, TSS
		Grab	Q	DOC
	Special Request Loxahatchee National Wildlife Refuge	Grab	WRF	MG, K, Silica (SI02), NA
G300	NPDES FL0778451	Grab	WRF	TP
	EFA #0311207	Grab	WRF	TP
	Special Request Loxahatchee National Wildlife Refuge	Grab	WRF (Response Monitoring)	ALKA, CA, CL, NH4, MG, NOX, OPO4, K, NA, S04, TDPO4, TP, TN, TSS, DO*, PH*, SCOND*, TEMP*
S371A S371C S374A S374C	STA Operations (EMRT# 202003-1)	Grab	Monthly Recorded Flow (MRF)	CA, OPO4, TDPO4, TP, DO*, PH*, SCOND*, TEMP*
S363C S366B S366D S370A S370C S373A S373B	STA Operations	Grab	BWRF	CA, OPO4, TDPO4, TP, DO*, PH*, SCOND*, TEMP*
S365A S365B S369B S369C S372B S372D	STA Operations	Grab	WRF	CA, OP04, TDP04, TP, DO*, PH*, SCOND*, TEMP*
	STA Operations	Grab	Q	DOC

*In Situ Grab

Appendix 2: Mercury and other Toxicants Monitoring Plan

Flow-Path: Eastern
Stormwater Treatment Area 1E
EFA Permit No. 0311207

The Florida Department of Environmental Protection (Department or FDEP) issued concurrence April 25, 2017, approving transfer of STA-1E mercury monitoring from Phase 3 – Tier 1: Routine Operational Monitoring from Year 4 to Year 9, to Phase 3 – Tier 3: Routine Operational Monitoring After Year 9. This implemented the termination of all site specific mercury monitoring at STA-1E.