



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

EVERGLADES WORKS OF THE DISTRICT PERMIT NO. 50-00010-E

Issued To:	South Florida Conservancy District Attention: David R. Davis P.O. Box 969 Belle Glade, FL 33430	Application Number:	170324-28
		Permit Type:	Individual
		Application Type:	Renewal
		Date of Expiration:	June 30, 2022

Permit Name: South Florida Conservancy District
Basin: Everglades Agricultural Area (EAA)
County: Palm Beach

Authorization: This Permit requires the implementation of the Best Management Practices Plan and the Discharge Monitoring Plan as approved in the associated Staff Report.

The Permittee agrees to hold and save the South Florida Water Management District (SFWMD) and its successors harmless from any and all damages, claims, or liabilities which may arise by reason of the construction, operation, maintenance or use of any work or structure noted in the Permit. The permit application, including all plans and specifications, and the attached Staff Report are made a part hereof by reference. This Permit may be revoked or modified at any time pursuant to the appropriate provisions of Chapter 373, Florida Statutes, and Chapter 40E-63, Florida Administrative Code. This Permit does not convey to the Permittee any property rights or privileges other than those specified herein, nor relieve the Permittee from complying with any law, regulation or requirement affecting the rights of other bodies or agencies.

Should you object to these conditions, please refer to the attached "Notice of Rights" which addresses the procedures to be followed. Please contact this office if you have questions concerning this matter.

CERTIFICATION

I HEREBY CERTIFY that this written notice has been mailed or electronically transmitted to the Permittee (and the persons listed in the attached distribution list) this 10th day of April, 2018, in accordance with Section 120.60(3), F.S. Notice was also electronically posted on this date through a link on SFWMD's website (www.sfwmd.gov/ePermitting).

By: 
Lisandra Jones
Deputy Clerk
South Florida Water Management District

Attachments

NOTICE OF RIGHTS

As required by Sections 120.569 and 120.60(3), Fla. Stat., the following is notice of the opportunities which may be available for administrative hearing or judicial review when the substantial interests of a party are determined by an agency. Please note that this Notice of Rights is not intended to provide legal advice. Not all of the legal proceedings detailed below may be an applicable or appropriate remedy. You may wish to consult an attorney regarding your legal rights.

RIGHT TO REQUEST ADMINISTRATIVE HEARING

A person whose substantial interests are or may be affected by the South Florida Water Management District's (SFWMD or District) action has the right to request an administrative hearing on that action pursuant to Sections 120.569 and 120.57, Fla. Stat. Persons seeking a hearing on a SFWMD decision which affects or may affect their substantial interests shall file a petition for hearing with the Office of the District Clerk of the SFWMD, in accordance with the filing instructions set forth herein, within 21 days of receipt of written notice of the decision, unless one of the following shorter time periods apply: (1) within 14 days of the notice of consolidated intent to grant or deny concurrently reviewed applications for environmental resource permits and use of sovereign submerged lands pursuant to Section 373.427, Fla. Stat.; or (2) within 14 days of service of an Administrative Order pursuant to Section 373.119(1), Fla. Stat. "Receipt of written notice of agency decision" means receipt of written notice through mail, electronic mail, or posting that the SFWMD has or intends to take final agency action, or publication of notice that the SFWMD has or intends to take final agency action. Any person who receives written notice of a SFWMD decision and fails to file a written request for hearing within the timeframe described above waives the right to request a hearing on that decision.

If the District takes final agency action which materially differs from the noticed intended agency decision, persons who may be substantially affected shall, unless otherwise provided by law, have an additional Rule 28-106.111, Fla. Admin. Code, point of entry.

Any person to whom an emergency order is directed pursuant to Section 373.119(2), Fla. Stat., shall comply therewith immediately, but on petition to the board shall be afforded a hearing as soon as possible.

A person may file a request for an extension of time for filing a petition. The SFWMD may, for good cause, grant the request. Requests for extension of time must be filed with the SFWMD prior to the deadline for filing a petition for hearing. Such requests for extension shall contain a certificate that the moving party has consulted with all other parties concerning the extension and that the SFWMD and any other parties agree to or oppose the extension. A timely request for an extension of time shall toll the running of the time period for filing a petition until the request is acted upon.

FILING INSTRUCTIONS

A petition for administrative hearing must be filed with the Office of the District Clerk of the SFWMD. Filings with the Office of the District Clerk may be made by mail, hand-delivery, or e-mail. Filings by facsimile will not be accepted. A petition for administrative hearing or other document is deemed filed upon receipt during normal business hours by the Office of the District Clerk at SFWMD headquarters in West Palm Beach, Florida. The District's normal business hours are 8:00 a.m. – 5:00 p.m., excluding weekends and District holidays. Any document received by the Office of the District Clerk after 5:00 p.m. shall be deemed filed as of 8:00 a.m. on the next regular business day. Additional filing instructions are as follows:

- Filings by mail must be addressed to the Office of the District Clerk, 3301 Gun Club Road, West Palm Beach, Florida 33406.

- Filings by hand-delivery must be delivered to the Office of the District Clerk. Delivery of a petition to the SFWMD's security desk does not constitute filing. It will be necessary to request that the SFWMD's security officer contact the Office of the District Clerk. An employee of the SFWMD's Clerk's office will receive and file the petition.
- Filings by e-mail must be transmitted to the Office of the District Clerk at clerk@sfwmd.gov. The filing date for a document transmitted by electronic mail shall be the date the Office of the District Clerk receives the complete document. A party who files a document by e-mail shall (1) represent that the original physically signed document will be retained by that party for the duration of the proceeding and of any subsequent appeal or subsequent proceeding in that cause and that the party shall produce it upon the request of other parties; and (2) be responsible for any delay, disruption, or interruption of the electronic signals and accepts the full risk that the document may not be properly filed.

INITIATION OF AN ADMINISTRATIVE HEARING

Pursuant to Sections 120.54(5)(b)4. and 120.569(2)(c), Fla. Stat., and Rules 28-106.201 and 28-106.301, Fla. Admin. Code, initiation of an administrative hearing shall be made by written petition to the SFWMD in legible form and on 8 1/2 by 11 inch white paper. All petitions shall contain:

1. Identification of the action being contested, including the permit number, application number, SFWMD file number or any other SFWMD identification number, if known.
2. The name, address, any email address, any facsimile number, and telephone number of the petitioner and petitioner's representative, if any.
3. An explanation of how the petitioner's substantial interests will be affected by the agency determination.
4. A statement of when and how the petitioner received notice of the SFWMD's decision.
5. A statement of all disputed issues of material fact. If there are none, the petition must so indicate.
6. A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the SFWMD's proposed action.
7. A statement of the specific rules or statutes the petitioner contends require reversal or modification of the SFWMD's proposed action.
8. If disputed issues of material fact exist, the statement must also include an explanation of how the alleged facts relate to the specific rules or statutes.
9. A statement of the relief sought by the petitioner, stating precisely the action the petitioner wishes the SFWMD to take with respect to the SFWMD's proposed action.

MEDIATION

The procedures for pursuing mediation are set forth in Section 120.573, Fla. Stat., and Rules 28-106.111 and 28-106.401–.405, Fla. Admin. Code. The SFWMD is not proposing mediation for this agency action under Section 120.573, Fla. Stat., at this time.

RIGHT TO SEEK JUDICIAL REVIEW

Pursuant to Section 120.68, Fla. Stat., and in accordance with Florida Rule of Appellate Procedure 9.110, a party who is adversely affected by final SFWMD action may seek judicial review of the SFWMD's final decision by filing a notice of appeal with the Office of the District Clerk of the SFWMD in accordance with the filing instructions set forth herein within 30 days of rendition of the order to be reviewed, and by filing a copy of the notice with the clerk of the appropriate district court of appeal.

Last Date for Agency Action: May 4, 2018

**SOUTH FLORIDA WATER MANAGEMENT DISTRICT
EVERGLADES WORKS OF THE DISTRICT**



STAFF REPORT

GENERAL INFORMATION

Basin: Everglades Agricultural Area
Project Name: South Florida Conservancy District
County: Palm Beach, Hendry
Permittee: SOUTH FLORIDA CONSERVANCY
DISTRICT
Attn: DAVID R. DAVIS
P.O. Box 969
Belle Glade, FL 33430

Permit No: 50-00010-E
Application No: 170324-28
Permit Type: Individual
Application Type: Renewal

Total Project Area: 32,666.54 acres
No. Of Water Control Structures: 10

PURPOSE

The purpose of this application is to renew an Everglades Works of the District Permit (Chapter 40E-63, F.A.C.) within the Everglades Agricultural Area. This permit approves the implementation of a Best Management Practices (BMP) Plan and a water quality Discharge Monitoring Plan. The BMP implementation requirements, performance measures, and compliance methodology established in this permit pertain to phosphorus only. "Permittee" within this permit refers to all landowners, lessees, and operators responsible for compliance with the terms and conditions of the permit and are listed under the Administrative Information section of this Staff Report.

Revisions concurrent with this renewal are described in the Other Permit Information section of this Staff Report.

The BMP Plan encompasses 32,666.54 total acres divided among 4 farms or drainage basin areas (Basin IDs), which ultimately discharge off-site to the following Works of the District:

Hillsboro Canal
North New River Canal
Miami Canal

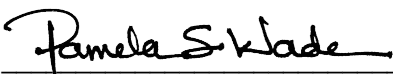
STAFF RECOMMENDATION

Staff recommends approval of the Everglades Works of the District Permit Application described in this Staff Report subject to the enclosed conditions. Based on the information provided, South Florida Water Management District rules have been met.

Application Reviewer:


Jeffrey Ludicello, Ph.D., P.E.Date April 6, 2018

Supervisor:


Carmela Bedregal, P.E.Date April 9, 2018Bureau of Everglades Technical
Support Approval:
Pamela S. Wade, P.E., Bureau ChiefDate April 9, 2018

ADMINISTRATIVE INFORMATION**FARM/BASIN - PARCEL - STRUCTURE INFORMATION**

Farm / Basin ID:	50-010-02	Early Baseline:	N	Total Acreage:	7,688.11
Farm / Basin Name:	Units 1 and 2, Zone 8 Farm L, and Farm G				

Structure ID	SFWMD Basin	Structure Type	Calibration Type	Max. Calibrated Capacity
HC15.5TS	S-6	Two Variable Speed Pump(Diesel)	Pump or Gravity Connection	224,032 gpm
HC19.6TS	S-6	Two Variable Speed Pump(Diesel)	Pump or Gravity Connection	88,105 gpm
NR26.4TE	S-7	Three Variable Speed Pump(Diesel)	Pump or Gravity Connection	230,129 gpm

Landowner	Operator	County: Tax ID Number	Acreage
Railroad Parcels	Same as Owner	PB: 9999999999999999	42.36
Stein, Lois TR	Same as Owner	PB: 04364336010070010	17.68
Stein, Lois TR	Same as Owner	PB: 00364336010090000	67.16
SBG Farms, Inc.	Same as Owner	PB: 58364414151700060	58.00
SBG Farms, Inc.	Same as Owner	PB: 58364411000005030	4.26
SBG Farms, Inc.	Same as Owner	PB: 00364413000003000	116.65
Hooker-Jones Co.	Same as Owner	PB: 04374404000001060	40.00
Parcels Under NPDES Permit	Cities of Belle Glade and South Bay	PB: 9999999999999999	1,774.91
Nicks Norman Paul Rev Liv TR Nicks Norman TR	Same as Owner	PB: 04374405010250030	2.20
Trust Busters Partnership	Hundley Farms Inc	PB: 00374412000005010	84.40
Trust Busters Partnership	Hundley Farms Inc	PB: 00374411000005010	178.00
TIITF University of Florida, I.F.A.S.	Same as Owner	PB: 00374410000009000	638.58
TIITF University of Florida, I.F.A.S.	Same as Owner	PB: 04374403000005000	145.59
Lee, J.D. III & Lee, Catherine W.	Same as Owner	PB: 00374404000007150	3.33
Lee, J.D. III & Lee, Catherine W.	Same as Owner	PB: 04374404030000070	1.26
Lee, J.D. III & Lee, Catherine W.	Same as Owner	PB: 043744040300000100	.42
Lee, J.D. III & Lee, Catherine W.	Same as Owner	PB: 00374404000007010	1.51
Parcels that Qualify for General Permit 40E-63.120(2) F.A.C.	Same as Owner	PB: 9999999999999999	16.14
Martha F Davidson	W.E. McKinstry, Inc.	PB: 00374405010290020	39.09
Markham, Brandon L & Davis, Brenda M &	Markham Sugar Farms Inc.	PB: 00374407000001130	11.95
Markham, Brandon L & Davis, Brenda M &	Markham Sugar Farms Inc.	PB: 00374407000001010	69.59
CIRAS, L.L.C.	Poole, William S.	PB: 04374406000001050	7.29
CIRAS, L.L.C.	Poole, William S.	PB: 04374406040160000	8.80
CIRAS, L.L.C.	Poole, William S.	PB: 04374406000001220	30.28
TIITF - Dept. of Env. Protection	A Duda And Sons, Inc.	PB: 00374408000003000	306.53
Nicks Norman	Same as Owner	PB: 04374405010260010	19.99
Nicks Norman	Same as Owner	PB: 04374405010250040	17.01
Kirchman Peter A & Kirchamn Darlene A	Kennedy Farm, Inc.	PB: 00374405010290030	11.50
Houston James T JR TR & Houston Yvonne T TR	Poole, William S.	PB: 04374406000005260	9.68

Landowner	Operator	County: Tax ID Number	Acreage
Houston James T JR TR & Houston Yvonne T TR	Poole, William S.	PB: 04374406000001210	9.09
Hand Homer J & Hand Frances R	W.E. McKinstry, Inc.	PB: 04374405010050020	3.83
Hand Homer J & Hand Frances R	W.E. McKinstry, Inc.	PB: 00374406000003040	12.90
Stein Farms LLC	Same as Owner	PB: 00364412000007030	40.00
Robert M. Hooker Tr.	Hooker-Jones Co.	PB: 00374404010000330	15.45
Robert M. Hooker Tr.	Hooker-Jones Co.	PB: 00374404000005140	19.50
Wedgworths Inc.	Same as Owner	PB: 00374409000001000	310.45
William Kennedy	Same as Owner	PB: 00374405010290010	9.66
Thompson Jane M TR	W.E. McKinstry, Inc.	PB: 00374406000003050	62.61
Jim Lynn L.L.C.	Six Mile Bend Corporation	PB: 00374408000001050	145.50
BW Belle Glade LLC	Spooner, John	PB: 00374406000005030	41.52
BW Belle Glade LLC	Spooner, John	PB: 00374406000001030	1.43
Harris Farms Ltd.	HWH Farms, Inc.	PB: 58364414151400010	17.59
Harris Farms Ltd.	HWH Farms, Inc.	PB: 58364414151300040	.67
Harris Farms Ltd.	HWH Farms, Inc.	PB: 58364414151300010	18.59
Okeelanta Corporation	Same as Owner	PB: 00374407000005000	156.14
Chamblee, John	Chamblee Farms, Inc.	PB: 00374408000001010	145.50
United States Sugar Corporation	Same as Owner	PB: 00374411000003000	266.00
United States Sugar Corporation	Same as Owner	PB: 58364411000005020	19.30
United States Sugar Corporation	Same as Owner	PB: 00374437000000010	183.56
United States Sugar Corporation	Same as Owner	PB: 00374437010000020	191.63
United States Sugar Corporation	Same as Owner	PB: 00374407000007000	155.00
United States Sugar Corporation	Same as Owner	PB: 00364413000001000	495.78
United States Sugar Corporation	Same as Owner	PB: 00364412000005000	531.00
United States Sugar Corporation	Same as Owner	PB: 00364401000005010	10.04
United States Sugar Corporation	Same as Owner	PB: 00364401000005000	236.25
Lee, J.D. III & Lee, J.D. IV	Same as Owner	PB: 00374404000005010	12.19
Collins, J.P.	Same as Owner	PB: 00374404000001040	7.60
Wedgworth Farms, Inc.	Same as Owner	PB: 00374404000003030	121.00
United States Sugar Corporation	Same as Owner	PB: 00364336010110000	35.82
Star Ranch Enterprises Inc	Same as Owner	PB: 00374409000003000	320.00
Star Ranch Enterprises Inc	Same as Owner	PB: 00374404000007100	60.00
Hand, Homer J & Frances L R	W.E. McKinstry, Inc.	PB: 00374404000003130	7.00
Hand, Homer J & Frances L R	W.E. McKinstry, Inc.	PB: 00374404000003120	6.00
Hand, Homer J & Frances L R	W.E. McKinstry, Inc.	PB: 00374405010010010	295.35

Farm / Basin ID: 50-010-03	Early Baseline: Y	Total Acreage: 6,118.32
Farm / Basin Name: Unit 3		

Structure ID	SFWMD Basin	Structure Type	Calibration Type	Max. Calibrated Capacity
MC24.1TE	S-8	Two Variable Speed Pump(Diesel)	Pump or Gravity Connection	182,884 gpm
NR25.2TW	S-7	Two Variable Speed Pump(Diesel)	Pump or Gravity Connection	108,561 gpm

Landowner	Operator	County: Tax ID Number	Acreage
Railroad Parcels	Same as Owner	PB: 9999999999999999	45.72
SBG Farms, Inc.	Same as Owner	PB: 58364414151100010	69.90
SBG Farms, Inc.	Same as Owner	PB: 58364414150700010	42.51
Parcels Under NPDES Permit	City of South Bay	PB: 9999999999999999	125.52
Poole, William S.	Same as Owner	PB: 58364415000001000	75.00
United States Sugar Corporation	Same as Owner	PB: 00354415000005000	34.72
United States Sugar Corporation	Same as Owner	PB: 00354414000009000	617.75
United States Sugar Corporation	Same as Owner	PB: 00364415000005000	312.00
United States Sugar Corporation	Same as Owner	PB: 00364417000009000	630.00
United States Sugar Corporation	Same as Owner	PB: 00364418000009000	630.00
United States Sugar Corporation	Same as Owner	PB: 00364415000001030	213.75
United States Sugar Corporation	Same as Owner	PB: 00354413000009000	622.00
United States Sugar Corporation	Same as Owner	PB: 00354412000001010	620.64
United States Sugar Corporation	Same as Owner	PB: 00364422000009000	640.00
United States Sugar Corporation	Same as Owner	PB: 00364407000007000	309.90
United States Sugar Corporation	Same as Owner	PB: 00354402000005020	42.80
United States Sugar Corporation	Same as Owner	PB: 00354411000001000	456.41
United States Sugar Corporation	Same as Owner	PB: 00364416000009000	629.70

Farm / Basin ID: 50-010-04	Early Baseline: Y	Total Acreage: 8,298.52
Farm / Basin Name: Unit 6		

Structure ID	SFWMD Basin	Structure Type	Calibration Type	Max. Calibrated Capacity
HC19.7TN	S-6	Three Variable Speed Pump(Diesel)	Pump or Gravity Connection	128,945 gpm
HC22.5TN	S-6	Three Variable Speed Pump(Diesel)	Pump or Gravity Connection	309,656 gpm

Landowner	Operator	County: Tax ID Number	Acreage
Railroad Parcels	Same as Owner	PB: 9999999999999999	92.50
Robert M & Liska M Hooker	Hooker-Jones Company	PB: 04374331010040020	7.45
Mohr Trailer Park Inc	Spooner, John	PB: 04374330000007050	9.42
Jane B Evans Farms Ltd	Same as Owner	PB: 00374319000007020	28.86
Jane B Evans Farms Ltd	Same as Owner	PB: 00364324010000291	2.31
Jane B Evans Farms Ltd	Same as Owner	PB: 00364325010000020	52.46
Jane B Evans Farms Ltd	Same as Owner	PB: 00364324010000300	19.32
Jane B Evans Farms Ltd	Same as Owner	PB: 00364325000007060	12.51
Sugar Cane Growers Co-op	Same as Owner	PB: 00374328000001010	380.07
Sugar Cane Growers Co-op	Same as Owner	PB: 00374332000001010	70.48
BGI Group, LLC.	Same as Owner	PB: 04374319000005020	4.93
BGI Group, LLC.	Same as Owner	PB: 04374319000001080	173.96
Jerard R. Frey	Same as Owner	PB: 00374332000003010	29.88
Parcels Under NPDES Permit	City of Belle Glade	PB: 9999999999999999	1,461.12
Burke, Leon D & Mary F	United States Sugar Corporation	PB: 00364325010000161	11.70
Ball Family Partnership	United States Sugar Corporation	PB: 00364324010000040	19.32
Ball Family Partnership	United States Sugar Corporation	PB: 00364314000005010	34.54

Landowner	Operator	County: Tax ID Number	Acreage
Freeman Jay TR & Freeman Martha TR	United States Sugar Corporation	PB: 00364313010000030	14.60
TIITF - Dept. of Env. Protection	United States Sugar Corporation	PB: 04374320000001010	452.27
TIITF - Dept. of Env. Protection	United States Sugar Corporation	PB: 00374320000003120	36.80
Burke Properties LLLP	United States Sugar Corporation	PB: 00364325010000070	36.04
Burke Properties LLLP	United States Sugar Corporation	PB: 00364325010000110	15.69
Burke Properties LLLP	United States Sugar Corporation	PB: 00364325000005080	12.50
TIITF c/o Florida Department of Environmental Protection	United States Sugar Corporation	PB: 04374329000003030	10.14
Stein Farms LLC	Same as Owner	PB: 00364324010000201	9.88
Stein Farms LLC	Same as Owner	PB: 00364326000003010	44.84
Stein Farms LLC	Same as Owner	PB: 00364323000000070	176.70
Stein Farms LLC	Same as Owner	PB: 00364324010000130	9.88
Stein Farms LLC	Same as Owner	PB: 00364324010000050	78.54
Stein Farms LLC	Same as Owner	PB: 00364326000003020	11.25
Robert M. Hooker Tr.	Hooker-Jones Company	PB: 00364324010000140	19.02
Thompson Jane M TR	W.E. McKinstry, Inc.	PB: 00364325000003010	25.48
BW Belle Glade L.L.C.	WM Farms	PB: 00364325000003020	25.18
Teepee Farms, Inc.	Same as Owner	PB: 04374332000003050	33.30
Ball, Katherine W.	United States Sugar Corporation	PB: 00364313010000102	1.75
Ball, Katherine W.	United States Sugar Corporation	PB: 00364313010000110	37.26
Ball, Katherine W.	United States Sugar Corporation	PB: 00364313010000170	36.26
West Side Farms, Inc. & New Hope Sugar Co.	Same as Owner	PB: 043743410900050031	.29
West Side Farms, Inc. & New Hope Sugar Co.	Same as Owner	PB: 04374332000001020	5.45
West Side Farms, Inc. & New Hope Sugar Co.	Same as Owner	PB: 003743410900050022	6.41
West Side Farms, Inc. & New Hope Sugar Co.	Same as Owner	PB: 04374332000005070	.15
West Side Farms, Inc. & New Hope Sugar Co.	Same as Owner	PB: 00374332000001070	154.25
West Side Farms, Inc. & New Hope Sugar Co.	Same as Owner	PB: 00374332000001080	69.94
West Side Farms, Inc. & New Hope Sugar Co.	Same as Owner	PB: 043743410900050021	3.13
TIITF & Department Of Corrections & Gci	United States Sugar Corporation	PB: 00374319000003040	44.42
TIITF & Department Of Corrections & Gci	United States Sugar Corporation	PB: 00374319000007010	110.53
Harris Farms Ltd.	HWH Farms, Inc.	PB: 00364324010000320	17.64
Harris Farms Ltd.	HWH Farms, Inc.	PB: 00364324010000280	13.99
Harris Farms Ltd.	HWH Farms, Inc.	PB: 00364324010000250	18.64
Harris Farms Ltd.	HWH Farms, Inc.	PB: 00374330000001010	38.70
Harris Farms Ltd.	HWH Farms, Inc.	PB: 00364324010000310	18.02
Harris Farms Ltd.	HWH Farms, Inc.	PB: 00364324010000180	57.06
Harris Farms Ltd.	HWH Farms, Inc.	PB: 00364324010000170	36.26
Freeman, Jay & Kay C.	United States Sugar Corporation	PB: 00364313010000010	59.79
Ball, James A.	United States Sugar Corporation	PB: 00364324010000010	70.76
Ball, James A.	United States Sugar Corporation	PB: 00364313010000101	5.00
Boyer, George W. & Betty L.	Same as Owner	PB: 003743410900050013	5.99

Landowner	Operator	County: Tax ID Number	Acreage
Spooner, John	Same as Owner	PB: 00364326000001020	77.11
W.E. Schlechter & Sons	Same as Owner	PB: 00374330000003040	30.14
W.E. Schlechter & Sons	Same as Owner	PB: 00364324010000190	47.15
W.E. Schlechter & Sons	Same as Owner	PB: 00374330000001070	18.85
W.E. Schlechter & Sons	Same as Owner	PB: 00374330000001120	30.94
W.E. Schlechter & Sons	Same as Owner	PB: 00364324010000271	9.89
Pioneer Growers Coop.	Same as Owner	PB: 00374330020010000	51.84
Ethridge, Frances B.	United States Sugar Corporation	PB: 00364324010000090	75.30
Ball Family Partnership	United States Sugar Corporation	PB: 00364313010000210	19.53
Ball Family Partnership	United States Sugar Corporation	PB: 00364314000007000	3.14
Ball Family Partnership	United States Sugar Corporation	PB: 00364313010000240	1.78
Ball Family Partnership	United States Sugar Corporation	PB: 00364313010000221	9.77
Ball Family Partnership	United States Sugar Corporation	PB: 00364313010000040	162.94
Ball Family Partnership	United States Sugar Corporation	PB: 00364323000000010	67.34
Ball Family Partnership	United States Sugar Corporation	PB: 00364324010000030	56.60
United States Sugar Corporation	Same as Owner	PB: 00374307000007040	.14
United States Sugar Corporation	Same as Owner	PB: 00374308000007010	299.23
Rionda, Enrique	Same as Owner	PB: 00364313010000020	32.23
Solid Waste Authority Of Palm Beach County	Mckee, Tim	PB: 00374330000001050	14.96
Crews, Gloria D. & Donna Challancin	Stein, Stewart	PB: 00364313010000080	26.75
Crews, Gloria D. & Donna Challancin	Stein, Stewart	PB: 00364313010000081	17.03
T I I T F - Glades Correctional Institute	United States Sugar Corporation	PB: 04374319000001060	16.26
T I I T F - Glades Correctional Institute	United States Sugar Corporation	PB: 04374319000005010	37.85
T I I T F - Glades Correctional Institute	Same as Owner	PB: 00374319000001070	.78
United States Sugar Corporation	Same as Owner	PB: 00374307000005000	203.58
United States Sugar Corporation	Same as Owner	PB: 00374318000001000	628.21
United States Sugar Corporation	Same as Owner	PB: 00374317000001010	468.51
United States Sugar Corporation	Same as Owner	PB: 00374307000007010	33.91
United States Sugar Corporation	Same as Owner	PB: 00374317000003020	75.10
T I I T F Board Of Trustees Internal Improvement Trust Fund	United States Sugar Corporation	PB: 00374329000001010	279.70
T I I T F Board Of Trustees Internal Improvement Trust Fund	United States Sugar Corporation	PB: 00374321000009000	640.13
T I I T F Board Of Trustees Internal Improvement Trust Fund	United States Sugar Corporation	PB: 00374329000003010	37.57
T I I T F Board Of Trustees Internal Improvement Trust Fund	United States Sugar Corporation	PB: 00374329000007010	138.92
Hand, Homer J & Frances L R	Orsenigo Farms, Inc.	PB: 00374330000005010	70.07
Schlechter, John O. Or Eleanor W.	Same as Owner	PB: 00374330000003010	95.27
Schlechter, John O. Or Eleanor W.	Same as Owner	PB: 00374330000003030	23.87
Schlechter, John O. Or Eleanor W.	Same as Owner	PB: 00364313010000191	9.95
Schlechter, John O. Or Eleanor W.	Same as Owner	PB: 00364313010000180	19.77
Schlechter, John O. Or Eleanor W.	Same as Owner	PB: 00364313010000230	18.77
Schlechter, John O. Or Eleanor W.	Same as Owner	PB: 00364313010000200	21.16
Burke Farms, Inc.	United States Sugar Corporation	PB: 00364325010000011	17.71
Burke Farms, Inc.	United States Sugar Corporation	PB: 00364325010000050	18.86
Burke Farms, Inc.	United States Sugar Corporation	PB: 00364325010000060	37.73
Burke Farms, Inc.	United States Sugar Corporation	PB: 00364325000005140	24.83

Landowner	Operator	County: Tax ID Number	Acreage
Burke Farms, Inc.	United States Sugar Corporation	PB: 00364325010000120	34.08
Burke Farms, Inc.	United States Sugar Corporation	PB: 00364325010000100	58.64

Farm / Basin ID: 50-010-06	Early Baseline: N	Total Acreage: 10,561.59
Farm / Basin Name: Unit 5 and S-236		

Structure ID	SFWMDBasin	Structure Type	Calibration Type	Max. Calibrated Capacity
EPD-07	IND	Four Variable Speed Pump(Diesel)	Pump or Gravity Connection	336,702 gpm
MC25.7TW	S-3	Five Variable Speed Pump(Diesel)	Pump or Gravity Connection	271,350 gpm
S-236	LOK	Three Variable Speed Pump(Diesel)	Pump or Gravity Connection	115,000 gpm

Landowner	Operator	County: Tax ID Number	Acreage
SBG Farms, Inc.	Same as Owner	HE: 1344324A000008.0000	69.51
SBG Farms, Inc.	Same as Owner	HE: 1344324A000007.0000	5.00
Parcels Under NPDES Permit	City of Clewiston	HE: 9999999999999999	232.65
Rey Bermudez	Same as Owner	HE: 1344323A000032.0100	19.68
Lynwood M Bishop Jr TR	Same as Owner	HE: 1344401A000002.0000	17.00
Section 2 SR835 LLC	Same as Owner	HE: 1344402A000002.0000	74.00
Section 2 SR835 LLC	Same as Owner	HE: 1344402A000001.0000	74.00
Section 2 SR835 LLC	Same as Owner	HE: 1344335A000004.0000	40.00
Section 2 SR835 LLC	Same as Owner	HE: 1344335A000003.0000	40.00
Lydia G Strickland	Same as Owner	HE: 1344323A000033.0100	6.00
Lydia G Strickland	Same as Owner	HE: 1344323A000033.0000	14.26
Morris E & Betty Ridgdill	United States Sugar Corporation	HE: 1344323A000030.0000	102.40
Henry J & Audrey N Andreis	United States Sugar Corporation	HE: 1344323A000031.0000	19.60
Henry J & Audrey N Andreis	United States Sugar Corporation	HE: 1344323A000028.0000	5.05
Morris E Ridgdill	Same as Owner	HE: 1344323A000036.0000	3.67
Morris E Ridgdill	Same as Owner	HE: 1344323A000035.0000	40.48
Morris E Ridgdill	Same as Owner	HE: 1344323A000034.0000	20.25
Weekley Bros Leasing Ltd	Same as Owner	HE: 1344335A000001.0000	140.00
United States Sugar Corporation	Same as Owner	HE: 1344402A000003.0000	151.00
United States Sugar Corporation	Same as Owner	HE: 1344335A000005.0000	320.00
United States Sugar Corporation	Same as Owner	HE: 1344401A000001.0000	296.00
United States Sugar Corporation	Same as Owner	HE: 1344336A000002.0000	292.13
United States Sugar Corporation	Same as Owner	HE: 1344336A000001.0000	303.00
United States Sugar Corporation	Same as Owner	HE: 1344326A000002.0000	5.00
United States Sugar Corporation	Same as Owner	HE: 1344326A000001.0000	590.38
United States Sugar Corporation	Same as Owner	HE: 1344324A000019.0000	308.46
United States Sugar Corporation	Same as Owner	HE: 1344325A000002.0000	302.06
United States Sugar Corporation	Same as Owner	HE: 1344325A000001.0000	315.00
United States Sugar Corporation	Same as Owner	HE: 1344324A000010.0000	37.00
United States Sugar Corporation	Same as Owner	HE: 1344314A000001.0000	71.75
United States Sugar Corporation	Same as Owner	HE: 1344313A000001.0000	186.27
United States Sugar Corporation	Same as Owner	HE: 1344324A000001.0000	8.00

Landowner	Operator	County: Tax ID Number	Acreage
Railroad Parcels	Same as Owner	PB: 9999999999999999	.04
Warren Acres, LLC	Robert C. Hatton, Inc.	PB: 00354335000007010	10.86
SBG Farms, Inc.	Same as Owner	PB: 00354405000001000	160.02
SBG Farms, Inc.	Same as Owner	PB: 00354403010000011	42.43
SBG Farms, Inc.	Same as Owner	PB: 00354402030050000	10.62
SBG Farms, Inc.	Same as Owner	PB: 00354402010000042	36.69
SBG Farms, Inc.	Same as Owner	PB: 00354402010000033	.48
SBG Farms, Inc.	Same as Owner	PB: 00354402010000032	3.40
SBG Farms, Inc.	Same as Owner	PB: 00354402010000022	.91
SBG Farms, Inc.	Same as Owner	PB: 00354402010000016	.52
SBG Farms, Inc.	Same as Owner	PB: 00354402000003030	4.96
SBG Farms, Inc.	Same as Owner	PB: 00354402000003020	24.97
SBG Farms, Inc.	Same as Owner	PB: 00354402000001070	41.88
SBG Farms, Inc.	Same as Owner	PB: 00354334010000011	35.33
SBG Farms, Inc.	Same as Owner	PB: 00354334010000022	6.80
Hamilton Acres LLC	United States Sugar Corporation	PB: 00354320010030010	9.67
Hamilton Acres LLC	Same as Owner	PB: 00354320010000120	8.99
Hamilton Acres LLC	Same as Owner	PB: 00354320010000081	7.37
Hamilton Acres LLC	Same as Owner	PB: 00354320010000020	1.03
Mayabeque Produce Corp	Same as Owner	PB: 00354328070000440	1.09
Mayabeque Produce Corp	Same as Owner	PB: 00354321000007020	4.58
Crooked Hook LLC	Same as Owner	PB: 00354319000001010	60.00
Abreu, Rufino J & Aida	Same as Owner	PB: 00354319000003050	5.17
Abreu Jorge & Juan A & Aida	Same as Owner	PB: 00354318000007040	14.13
Sugar Supply Inc, & Abreu Jorge, Juan Ad, Juan An, & Aida	Same as Owner	PB: 00354320010000030	6.56
Davis, Brad & Wendy	Same as Owner	PB: 00354402010000045	6.53
Parcels that Qualify for General Permit 40E-63.120(2) F.A.C.	Same as Owner	PB: 9999999999999999	308.50
South Florida Conservancy District	Same as Owner	PB: 9999999999999999	37.56
D & B Properties of Miami, LLC	Same as Owner	PB: 00354402000001090	31.88
Heber J & Daivys Ramos	Same as Owner	PB: 00354318000007050	10.02
R D Jr & Barbara Scruggs	Same as Owner	PB: 00354402000003010	5.33
Andy McGahee LLC	Same as Owner	PB: 00354334010000027	28.20
Andy McGahee LLC	Same as Owner	PB: 00354334010000023	.28
John D & Grace L McGahee	Same as Owner	PB: 00354403010010020	11.88
John D & Grace L McGahee	Same as Owner	PB: 00354334010000021	8.54
John D & Grace L McGahee	Same as Owner	PB: 00344334010000013	18.04
John D & Grace L McGahee	Same as Owner	PB: 00354334000003010	2.20
John D & Grace L McGahee	Same as Owner	PB: 00354334010000034	3.08
John D & Grace L McGahee	Same as Owner	PB: 00354334000003000	.37
Camaro Farms, Inc.	Robert C. Hatton, Inc.	PB: 00354334010000033	1.83
Camaro Farms, Inc.	Robert C. Hatton, Inc.	PB: 00354334010000031	31.86
Bunewall, Inc.; Enerwall, Inc.; Haiko, Inc.; Tenerling, Inc.	Robert C. Hatton, Inc.	PB: 00354319000005000	5.30
Bunewall, Inc.; Enerwall, Inc.; Haiko, Inc.; Tenerling, Inc.	Robert C. Hatton, Inc.	PB: 00354320010000140	12.86
Bunewall, Inc.; Enerwall, Inc.; Haiko, Inc.; Tenerling, Inc.	Robert C. Hatton, Inc.	PB: 00354319000005050	1.00

Landowner	Operator	County: Tax ID Number	Acreage
Bunevall, Inc.; Enerwall, Inc.; Haiko, Inc.; Tenerling, Inc.	Robert C. Hatton, Inc.	PB: 00354319000005020	8.00
Bunevall, Inc.; Enerwall, Inc.; Haiko, Inc.; Tenerling, Inc.	Robert C. Hatton, Inc.	PB: 00354320010000150	15.59
Bunevall, Inc.; Enerwall, Inc.; Haiko, Inc.; Tenerling, Inc.	Robert C. Hatton, Inc.	PB: 00354319000007010	215.45
Bunevall, Inc.; Enerwall, Inc.; Haiko, Inc.; Tenerling, Inc.	Robert C. Hatton, Inc.	PB: 00354319000005040	2.80
Bunevall, Inc.; Enerwall, Inc.; Haiko, Inc.; Tenerling, Inc.	Robert C. Hatton, Inc.	PB: 00354320010000160	63.17
Bunevall, Inc.; Enerwall, Inc.; Haiko, Inc.; Tenerling, Inc.	Robert C. Hatton, Inc.	PB: 00354319000005010	10.00
United States Sugar Corporation	Same as Owner	PB: 00354406000001000	300.70
United States Sugar Corporation	Same as Owner	PB: 00354405000003020	10.00
United States Sugar Corporation	Same as Owner	PB: 00354405000003000	150.01
United States Sugar Corporation	Same as Owner	PB: 00354404000001000	318.98
United States Sugar Corporation	Same as Owner	PB: 00354403010000021	39.00
United States Sugar Corporation	Same as Owner	PB: 00354403000003010	120.00
United States Sugar Corporation	Same as Owner	PB: 00354403000003000	20.00
United States Sugar Corporation	Same as Owner	PB: 00354403000001010	21.99
United States Sugar Corporation	Same as Owner	PB: 00354403000001000	40.00
United States Sugar Corporation	Same as Owner	PB: 00354334010000042	28.66
United States Sugar Corporation	Same as Owner	PB: 00354334010000041	17.39
United States Sugar Corporation	Same as Owner	PB: 00354334010000029	24.97
United States Sugar Corporation	Same as Owner	PB: 00354334000007030	70.00
United States Sugar Corporation	Same as Owner	PB: 00354334000007020	5.00
United States Sugar Corporation	Same as Owner	PB: 00354334000007010	15.00
United States Sugar Corporation	Same as Owner	PB: 00354334000005000	8.79
United States Sugar Corporation	Same as Owner	PB: 00354334000003020	3.79
United States Sugar Corporation	Same as Owner	PB: 00354333000007000	160.00
United States Sugar Corporation	Same as Owner	PB: 00354333000001020	109.78
United States Sugar Corporation	Same as Owner	PB: 00354332000001010	631.64
United States Sugar Corporation	Same as Owner	PB: 00354331000001010	637.45
United States Sugar Corporation	Same as Owner	PB: 00354330000009000	643.35
United States Sugar Corporation	Same as Owner	PB: 00354329000009000	619.83
United States Sugar Corporation	Same as Owner	PB: 00354328090000010	31.21
United States Sugar Corporation	Same as Owner	PB: 00354328080000010	45.05
United States Sugar Corporation	Same as Owner	PB: 00354328070000420	.46
United States Sugar Corporation	Same as Owner	PB: 00354328070000010	51.90
United States Sugar Corporation	Same as Owner	PB: 00354328060000180	.92
United States Sugar Corporation	Same as Owner	PB: 00354328060000010	39.78
United States Sugar Corporation	Same as Owner	PB: 00354328050000010	23.58
United States Sugar Corporation	Same as Owner	PB: 00354328040000010	23.08
United States Sugar Corporation	Same as Owner	PB: 00354328030000060	.62
United States Sugar Corporation	Same as Owner	PB: 00354328030000050	.30
United States Sugar Corporation	Same as Owner	PB: 00354328030000010	21.41
United States Sugar Corporation	Same as Owner	PB: 00354328020000010	14.00
United States Sugar Corporation	Same as Owner	PB: 00354328010000010	31.88
United States Sugar Corporation	Same as Owner	PB: 00354327000007020	.16

Landowner	Operator	County: Tax ID Number	Acreage
United States Sugar Corporation	Same as Owner	PB: 00354321000007010	8.12
United States Sugar Corporation	Same as Owner	PB: 00354320010040000	4.90
United States Sugar Corporation	Same as Owner	PB: 00354319000007030	20.00
United States Sugar Corporation	Same as Owner	PB: 00354319000005030	49.44
United States Sugar Corporation	Same as Owner	PB: 00354402000005090	4.44
United States Sugar Corporation	Same as Owner	PB: 00354334010000032	17.71
United States Sugar Corporation	Same as Owner	PB: 00354334010000024	7.45
United States Sugar Corporation	Same as Owner	PB: 00354320010010000	100.30
United States Sugar Corporation	Same as Owner	PB: 00354319000001000	178.13
Hundley Farms Inc	Same as Owner	PB: 00354333000003000	236.37
Hundley Farms Inc	Same as Owner	PB: 00354333000001030	38.85
Hundley Farms Inc	Same as Owner	PB: 00354333000001010	86.83
Hundley Farms Inc	Same as Owner	PB: 00354328090000032	38.85
Hundley Farms Inc	Same as Owner	PB: 00354328090000031	4.15
Hundley Farms Inc	Same as Owner	PB: 00354328090000020	37.00

BACKGROUND - HISTORIC INFORMATION ON PERMIT AREA

Basin ID	Associated Permits	Authorization
50-010-02	50-07921-W	Application No. 070509-15 authorizes the use of groundwater from the surficial aquifer for landscape (3 acres) and agricultural (0.5 acres) irrigation.
	50-07014-P	Application No. 050609-16 authorizes a 'No Notice General Permit for Activities in Uplands' for the project "IFAS - Belle Glade Mix/Load Facility".
	50-04568-P	Application No. 000404-6 authorizes the construction and operation of a water management system serving a building and a parking area within the Florida Institute for Food and Agricultural Services Everglades Research and Education Center (IFAS-EREC). The water management system consists of a 1.14 acre dry retention area with no offsite discharge. Relevant applications include 011210-10 modifying the paving, grading, and drainage plan to maintain existing vegetation and trees, and 070830-5 to include three additional dry retention areas serving 1.66 acres of land classified as for institutional use. The detention areas overflow into the water management system approved by Application No. 000404-6.
50-010-04	50-00787-S	Application No. 07090-B authorizes the construction and operation of a water management system serving 11.52 acres of residential land by swales, off-site canal, culverts, 1-24" and 1-36" flashboard risers and 2 CMP culverts discharging into a South Florida Conservancy District (SFCD) canal.
	50-10933-P	Application No. 151019-4 authorizes the construction and operation of a water management system serving a bagasse processing facility. The area served includes office buildings, pulp and molding buildings, a bale storage area and associated infrastructure, driveway, parking, and sidewalks. The stormwater management system consists of dry detention areas and a wet detention pond. Discharge is to a SFCD canal with ultimately discharges into the L-14 Canal. Application 160126-2 modified the originally permitted design by reducing the project area from 27.71 acres to 21.41 acres, lowering the dry detention area bottom elevation, lowering the finished floor elevation and pavement, and modifying the elevation of water quality structure CS#2.
	50-01646-W	Application No. 100914-4 authorizes the continuation of an existing use of groundwater from the water table aquifer for industrial water supply serving a sugar mill. Application No. 130708-12 authorizes an additional backup well to be added to the facility with no

Basin ID	Associated Permits	Authorization
50-010-04	50-01646-W	changes in allocation or source.
	50-00254-W	Application No. 980209-2 authorizes the continuation of an existing use of groundwater from the surficial aquifer system for industrial use serving 2.46 acres. Relevant applications include Application No. 160401-15 authorizing the discontinuation of a monitoring program resulting from Application No. 150611-2; Application No. 150611-2 to install three (3) new wells at a different location on the property, within the same aquifer and at approximate depth to existing wells; and Application No. 141201-20 to extend the submittal compliance reports from five (5) to ten (10) years for 20-year water use permit holders.
	50-02498-S	Application No. 910625-7 authorizes the construction and operation of a water management system serving 39.5 acres of institutional lands discharging into SFCD Lateral 2-2.
50-010-06	50-10933-P	Modification of a 21.41 acre agricultural facility known as Bagasse Processing Facility.
	50-06442-P	Application No. 031027-17 authorizes the operation of the SFCD surface water management system improvements, which are being proposed as part of the long term goal to divert 80 percent of the average annual volume of stormwater and phosphorus load historically pumped directly to Lake Okeechobee, pursuant to the Everglades Forever Act (Section 373.4592 Florida Statutes).
50-010-02 50-010-03 50-010-04 50-010-06	50-00887-W	Application No. 090114-9 authorizes the continuation of existing use of surface water from the L-14, L-20, L-25, and the Industrial Canals for agricultural and landscape irrigation serving 29,784 acres. Application No. 101019-21 extended the submittal compliance reports from five (5) to ten (10) years for 20-year water use permit holders.

EXISTING / PROPOSED ACTIVITIES

Crop Type/Land Use	Estimated Acreage	Additional Information
Industrial	236	Includes the Sugar Cane Growers Cooperative Mill, which is reported to retain its runoff and does not discharge off-site.
Institutional	784	This represents the Florida Institute for Food and Agricultural Services Everglades Research and Education Center (IFAS-EREC), which is now included in Basin ID 50-010-02.
Mixed Agriculture	27,749	Includes a variety of crops such as sugar cane, vegetables, corn, rice, and sod. Specific acreages of each crop type may vary depending on market conditions.
Other	38	Water control district land.
Railroads and Railyards	181	
Urban and Built-up	3,915	

HISTORIC ACTIVITIES

Crop Type/Land Use	Estimated Acreage	Additional Information
Industrial	236	Includes the Sugar Cane Growers Cooperative Mill, which is reported to retain its runoff and does not discharge off-site.
Institutional	784	This represents the IFAS-EREC facility, which previously was represented under permit 50-00074-E.
Mixed Agriculture	27,749	
Other	38	Water control district land.
Railroads and Railyards	181	
Urban and Built-up	3,915	

OTHER PERMIT INFORMATION

Current Application No. 170324-28: Modifications concurrent with this application for renewal are indicated below:

1) Administrative changes include updates to ownership and operator information, tax identification numbers, farm and Basin ID acreages, and associated permits, where applicable.

2) This application included a request, by the Permittee, to revise the documentation requirements for the Water Management BMP. Upstream permittees/operators in South Florida Conservancy District (the 298 District) with controlled drainage structures discharging off-site to 298 District canals requested approval to use recorded operations data (field data logs) at the main 298 District structures of the corresponding Basin ID to meet the water management BMP documentation requirement of their controlled drainage structures. Upon review of technical and historical factors, as described in the permit application file, SFWMD determined that sufficient assurance has been provided that the main 298 District structure pump logs will be reasonably representative of the upstream landowners' implementation of the water management BMP for their controlled drainage structures. Therefore, this method of documentation is accepted subject to (1) there being no changes in the technical or historical factors considered, (2) participation agreements executed by all permittees in the template format submitted to, on file with, and approved by SFWMD, and (3) verification that water management BMP permit conditions continue to be met. This method of documentation does not change the upstream permittees' requirement to document implementation of the water management BMP, but allows interchanging of acceptable and representative documentation provided by the 298 District pump logs, in accordance with Special Condition #1.

3) This application reincorporates Basin ID 50-010-01 (784 acres), the University of Florida Institute for Food and Agricultural Services Everglades Research and Education Center (IFAS-EREC), into Basin ID 50-010-02 of this permit. As explained in the Permit History section of this Staff Report, the lands associated with Basin ID 50-010-01 were originally part of this SFCD permit but were removed via SFCD Application 961115-3-E, and Application 961115-6-E created a new WOD Permit 50-00074-E for IFAS-EREC. Basin ID 50-010-01 previously discharged north through structure HC17.9TS into the Hillsboro Canal, however that structure ceased operations in January 2017. A new upstream permittee pump structure (25,000 gpm) was built on the south side of Basin ID 50-010-01, became effective August 1, 2016, and discharges to SFCD Canal 1 approximately 2.2 miles upstream of structure HC15.5TS. The BMP plan for IFAS-EREC has been revised to be consistent with the rest of Basin ID 50-010-02. The area-weighted Baseline value for the modified Basin ID 50-010-02 is 1.861 lbs/acre.

4) The Site and Drainage System Description section of this Staff Report was updated based on engineering drawings and other information provided as part of this renewal application.

5) The pump start, stop, and harvest/plant elevations for the 0.5-inch water management BMP at Structure NR26.4TE were revised and will become effective on May 1, 2018. The new criteria are shown in Exhibit 4 and will continue to provide the storage volume necessary to detain 0.5 inch of rainfall. In addition, the list of codes used in the pump logs to describe pumping operations at the following structures has been revised: HC15.5TS, HC19.6TS, NR26.4TE, MC24.1TE, NR25.2TW, HC19.7TN, HC22.5TN, MC25.7TW.

6) The NPDES, General Permit, railroad (see Item 12 below), and SFCD acreages have been updated for each Basin ID. Additionally, the eight non-agricultural parcels (totaling 33.06 acres) designated as "Not a Participant" under Application 141013-29 have been included in the NPDES acreage of their respective Basin IDs.

7) The BMP plan shown in Exhibit 1 for Basin ID 50-010-02 now includes land uses of corn, sod, and rice, while the BMP plan for Basin IDs 50-010-03, 50-010-04, and 50-010-06 now includes land uses of corn and rice. The BMP plan for these new land uses is the same as the previous plan for sugar cane and vegetables. Additionally, the "CITRUS" category now includes all tropical fruits while the "OTHER" category now includes aloe, plantains, and tropical varieties in addition to tree crops. The BMP plan for these two categories has not changed. A second "OTHER" category was added for Basin ID 50-010-04, and applies to a Bagasse Processing Facility as described in Permit 50-10933-P.

8) Approximately 8,450 acres within Basin ID 50-010-06 are currently an inflow to the EAA regulated boundary (assumed to pass through the EAA Basin) and are not considered part of the total TP load in EAA runoff when assessing annual performance measure results under Chapter 40E-63, F.A.C.; however, Chapter 40E-63 amendments were adopted March 15, 2018, to incorporate this acreage and the associated runoff as part of the total TP load in EAA runoff, beginning in WY2019.

9) The Florida Department of Health (FDOH)-certified laboratory for processing nutrient levels in water quality samples, listed under the Laboratory and Sampler Information section of the Discharge Monitoring Plan and pursuant to Rule 40E-63.136(2),

has been updated to Florida-Spectrum Environmental Services, Inc., FDOH E86006. The change occurred in March 2017 for all structures listed in item #2 above except for MC25.7TW. MC25.7TW is a Diversion Project structure and the total phosphorus (TP) data is collected and analyzed by the SFWMD laboratory under a data sharing agreement referenced in the Discharge Monitoring Plan section of this Staff Report.

10) Approximately 181 acres owned by the Florida East Coast Railway (F.E.C.) (Basin IDs 50-010-02, 50-010-03, and 50-010-04) and CSX Transportation (Basin ID 50-010-06) were previously grouped with urban land uses but are now specifically included in the Administrative Information section as Railroad Parcels, and in the Existing and Historic Activities sections as Railroads and Railyards. The parcels are not farmed, no phosphorus is applied, and the BMPs are based on those implemented on adjacent lands.

11) Based on the permittee's request, the acreage associated with Tax IDs 00374328000003010, 00374328000003030, 00374328000003020, 00374328000003011, and 00374328000003012 (235.99 acres total within Basin ID 50-010-04) was removed from the Administrative Information section. Sugar Cane Growers Cooperative, the current owner of the parcels, asserts that the mill property does not discharge off-site. The total acreage for the permit was updated to account for the reduction.

12) Approximately 0.78 acres of land owned by TIITF- Glades Correctional Institute in basin ID 50-010-04 (Tax ID 00374319000001070) is not farmed, no phosphorus is applied, and the BMPs are based on those implemented on adjacent lands.

13) The term "Permittee", as referenced in Administrative Condition #6, Limiting Condition #4, and Special Conditions #1 and #2, refers to the "Individual Permittee" as defined in the Overall BMP Plan Requirements section of this Staff Report.

BEST MANAGEMENT PRACTICES (BMP) PLAN

SITE & DRAINAGE SYSTEM DESCRIPTION

SFCD is responsible for providing drainage and irrigation water for the areas within its boundaries. It does this through maintaining and operating a series of primary canals and ten pump structures. According to the associated permits, SFCD is able to discharge water to, or withdraw water from, the canals maintained by SFWMD (North New River, Hillsboro, and Miami Canals). The ten structures are located in four basins: Units 1 & 2, Zone 8 Farm L, and Farm G (Basin ID 50-010-02) contains structures HC15.5TS, NR26.4TE, and HC19.6TS; Unit 3 (Basin ID 50-010-03) contains structures MC24.1TE and NR25.2TW; Unit 6 (Basin ID 50-010-04) contains structures HC22.5TN and HC19.7TN; and Unit 5 and S-236 (Basin ID 50-010-06) contains structure MC25.7TW, Lake Okeechobee structure S-236 and Industrial Canal structure EPD-07 (a.k.a. P-5-W).

The upstream on-farm water management systems vary for each individual land parcel within the described pumping units. The on-farm water management generally consists of interconnecting field ditches, lateral canals, and collector canals. The individual farming blocks are drained by field ditches that discharge to the laterals bordering each block. Ultimate discharge to SFCD infrastructure is from the collector canals via water control structures consisting of small pumps and gates, to open culverts and ditches. A site specific description for each Basin ID is presented below. Additional information is in Exhibit 3.

- Basin ID 50-010-02: The off-site drainage structures used to manage water upstream of the main pump structures include five drainage pumps, eight culverts with risers, and seventeen culverts with riser and screw gates. One of the five drainage pumps is the pump installed at the south end of the IFAS-EREC campus to discharge into SFCD Canal 1 approximately 2.2 miles upstream of structure HC15.5TS. This pump became effective August 1, 2016.
- Basin ID 50-010-03: The off-site drainage structures include one drainage pump, five culverts with risers, four culverts with screw gates, and fifteen culverts with risers and screw gates.
- Basin ID 50-010-04: The off-site drainage structures include one drainage pump, two drainage pumps with screw gates, seven culverts with risers, eleven culverts with screw gates, and two culverts with risers and screw gates.
- Basin ID 50-010-06: The off-site drainage structures include seven drainage pumps with culverts, two pumps with double risers, eighteen culverts with risers, five culverts with screw gates, five culverts with risers and screw gates, one triple-barrel culvert with riser, and one quadruple-barrel culvert with riser.

A triangular-shaped area of Unit 3 (Basin ID 50-010-03) bordered on the west by the Miami Canal and on the east by the South Shore Drainage District's (SSDD) South Shore West sub-basin (Basin ID 50-081-02, WOD Permit No. 50-00081-E) includes lands that are within the SFCD jurisdiction but are drained by SSDD and permitted under the referenced SSDD WOD permit.

OVERALL BMP PLAN REQUIREMENTS

This permit includes three types of permittees responsible for implementing certain BMPs, as listed in the Administrative Information section of this Staff Report and described below:

- 1) SFCD (the 298 District) which is responsible for providing drainage and irrigation for the areas within its boundaries. The 298 District is responsible for keeping its Parcel and Structure Information and Certification of Participation Forms current.
- 2) The agricultural "individual permittee" who has properly executed and submitted the Parcel Information and Certification Form and Participant Agreement with the 298 District. Individual permittees are responsible for keeping the Parcel Information and Certification Forms and Participant agreements current.
- 3) The cities of Belle Glade and South Bay (cities) which have signed an inter-local agreement with the 298 District and are included in the National Pollutant Discharge Elimination System (NPDES) Permit. The specific acreage covered under the NPDES permit for the cities are listed in the Administrative Information section of this Staff Report.

The parcel acreage that qualifies for a General Permit under subsection 40E-63.120(2), F.A.C., is listed in the Administrative Information section of this Staff Report to account for the total acreage that falls within the 298 District boundaries. The terms and

conditions of this permit do not apply to these parcels. The detailed property ownership information for these parcels is on file with SFWMD.

Except as noted above, the 298 District and each permittee named within this permit are responsible for complying with the terms and conditions of this permit, including implementation of the BMP Plan within its acreage identified in the Administrative Information section, for maintaining records at its office, and preparing a BMP Annual Implementation Report for submittal to SFWMD as further described below.

BMP Plan:

Each BMP Plan is summarized in Exhibit 1 and includes a minimum of 25 equivalent BMP points. Each BMP shall be implemented consistently across all acreage for which that BMP was selected. BMP Plans shall adequately address the following for each BMP: (1) implementation schedule, (2) staff training, and (3) documentation/reporting.

The 298 District controls the ultimate discharge from the area served, but not necessarily the practices on each land parcel. The 298 District and each individual permittee will be responsible for implementation of BMPs, as identified in the Staff Report.

The 298 District shall implement water management and sediment control BMPs, but not nutrient control BMPs since no nutrients are applied by the 298 District. The 298 District has provided reasonable assurance that the 1.0 inch of detention can be provided within Basin IDs 50-010-03, 50-010-04, and 50-010-06 by managing and controlling runoff to minimize off-site discharge through higher water table management at the seven primary pumping structures (MC24.1TE, NR25.2TW, HC19.7TN, HC22.5TN, MC25.7TW, S-236, and EPD-07); and 0.5-inch of detention can be provided within Basin ID 50-010-02 at the three primary pumping structures (HC15.5TS, HC19.6TS, and NR26.4TE). The 298 District will also implement and maintain two (2) particulate matter and sediment control practices as listed in Exhibit 2.

Individual permittees within Basin IDs 50-010-03, 50-010-04, and 50-010-06 shall implement water management practices, nutrient control practices, and a minimum of two (2) particulate matter and sediment control practices as listed in Exhibit 2. Water management practices shall be consistent with the 298 District's 1.0-inch water management BMP. Individual permittees with control structures for off-site discharges shall implement water management practices to detain the first 1.0 inch of rainfall.

Individual permittees within Basin ID 50-010-02 shall implement water management practices, nutrient control practices, and a minimum of four (4) particulate matter and sediment control practices as listed in Exhibit 2. Water management practices shall be consistent with the 298 District's 0.5-inch water management BMP. Individual permittees with control structures for off-site discharges shall implement water management practices to detain the first 0.5 inch of rainfall.

Portions of the cities are located within the 298 District service area. As specified in the inter-local agreement, this cities are participants under this permit. The cities, along with others in Palm Beach and Hendry Counties, are required to implement storm water management programs to reduce pollutants in storm water runoff. SFWMD will coordinate separately with the cities regarding BMP implementation for nutrients described in the Florida Department of Environmental Protection (FDEP) storm water management program and provisions set forth in Parts I-VIII of the National Pollutant Discharge Elimination System (NPDES) Permit, as needed.

Descriptions of individual BMPs approved for implementation are included in the BMP Plan Implementation and Reporting Requirements section of this Staff Report. Each permittee is responsible for training and informing its appropriate staff, operators, or contractors of permit requirements and compliance conditions. Implementation will be verified by SFWMD through review of BMP Annual Implementation Reports submitted as provided below and on-site observations of operations and documentation, as applicable.

Documentation and Reporting:

Each permittee shall keep records documenting implementation of BMPs on file at its respective office and have them readily available for review by SFWMD during on-site verification of BMPs, as applicable. A BMP Annual Implementation Report shall be filed each year with SFWMD.

The 298 District shall compile theirs and all individual permittee reports and submit one comprehensive BMP Annual Implementation Report to SFWMD.

Failure of any individual permittee to provide its BMP Annual Implementation Report to the 298 District for filing with SFWMD or failure of any individual permittee to comply with permit terms and conditions, with the exception of the Water Management BMP, shall be addressed directly by SFWMD with that permittee.

Failure of any individual permittee to comply with permit terms and conditions shall be addressed with that permittee by SFWMD and/or the 298 District, depending on the BMP compliance enforcement terms detailed in this Staff Report and in the Participant Agreement. See Special Condition #1.

BMP PLAN IMPLEMENTATION AND REPORTING REQUIREMENTS

BMP Name: Nutrient Application Control

BMP Description: This BMP shall be implemented by individual permittees. Nutrient application control is to be accomplished by uniform and controlled boundary application of phosphorus through direct application to the root zone using banding/side-dressing or using pneumatic, controlled-edge application. Application areas are to be set back from canals with no overlapping applications.

BMP Reporting: Office records shall be retained by the permittee documenting implementation. An explanation shall be recorded in the permittee's records if phosphorus was applied to an area without practicing controlled application. The individual permittees shall provide to the 298 District an annual implementation report verifying BMP implementation. The 298 District shall submit a compilation of the individual permittees' annual implementation reports to SFWMD.

BMP Name: Nutrient Spill Prevention

BMP Description: This BMP shall be implemented by individual permittees. Formal practices and protocols shall be established by each permittee as to the handling and placement of nutrients, storage and disposal of nutrient containers, and nutrient transfer within the Basin ID. Any nutrient spill at an individual Basin ID shall be cleaned up immediately, and the date and circumstances of each spill documented in records kept at the corresponding permittee's office.

BMP Reporting: Office records shall be retained by the permittee documenting implementation, including the following: (1) a summary of routine nutrient spill prevention practices implemented by the applicator, (2) the number of spills, if any, and clean-up actions taken, (3) the date and circumstances of each spill, and (4) a summary of future actions to be taken to prevent spill recurrences. The individual permittees shall provide to the 298 District an annual implementation report verifying BMP implementation. The 298 District shall submit a compilation of the individual permittees' annual implementation reports to SFWMD.

BMP Name: Soil Testing

BMP Description: This BMP shall be implemented by individual permittees. The goal of this BMP is to avoid excess nutrient application by determining phosphorus requirements of the soil and following standard recommendations for application rates (crop specific). Soil samples shall be collected and reviewed prior to application for the acreage in production. Soil phosphorus analysis results shall be used to improve the accuracy of phosphorus application rates and reduce over-application of phosphorus.

BMP Reporting: Office records shall be retained by the permittee documenting implementation. The permittee is responsible for obtaining and reviewing soil test results prior to nutrient application and for using these results as a guideline for phosphorus application for all crops requiring phosphorus. The permittee shall keep at its office the records of areas tested, crops grown, test results, nutrient application recommendations, and nutrient application rates. If the actual phosphorus application rate or quantity varies from the phosphorus recommendations, the permittee shall keep notes and provide technical justification to explain the logic for all variations. The individual permittees shall provide to the 298 District an annual implementation report verifying BMP implementation. The 298 District shall submit a compilation of the individual permittees' annual implementation reports to SFWMD.

BMP Name: Particulate Matter and Sediment Controls (4)

BMP Description: This BMP shall be implemented by both the 298 District and the individual permittees within Basin IDs 50-010-03, 50-010-04, and 50-010-06. The 298 District shall implement two (2) particulate matter and sediment control practices from Exhibit 2 consistently across all lands for which the BMP was selected. Individual permittees shall implement two (2) particulate matter and sediment control practices from Exhibit 2 consistently across all lands for which the BMP was selected. The purpose of this BMP is to prevent or minimize the transport of phosphorus off-site with particulate matter and sediments.

BMP Reporting: Office records shall be retained by the permittee documenting implementation. Records shall include a description and the location of the particulate matter and sediment controls that have been implemented and a description of all maintenance and operations conducted to sustain their effectiveness. The permittee's office records shall also include an explanation of any changes from the approved BMP implementation, maintenance, and operation. The individual permittees shall provide to the 298 District an annual implementation report verifying BMP implementation. The 298 District shall submit a compilation of the individual permittees' annual implementation reports to SFWMD.

BMP Name: Particulate Matter and Sediment Controls (6)

BMP Description: This BMP shall be implemented by both the 298 District and the individual permittees within Basin ID 50-010-02. The 298 District shall implement two (2) particulate matter and sediment control practices from Exhibit 2 consistently across all lands for which the BMP was selected. Individual permittees shall implement four (4) particulate matter and sediment control practices from Exhibit 2 consistently across all lands for which the BMP was selected. The purpose of this BMP is to prevent or minimize the transport of phosphorus off-site with particulate matter and sediments.

BMP Reporting: Office records shall be retained by the permittee documenting implementation. Records shall include a description and the location of the particulate matter and sediment controls that have been implemented and a description of all maintenance and operations conducted to sustain their effectiveness. The permittee's office records shall also include an explanation of any changes from the approved BMP implementation, maintenance, and operation. The individual permittees shall provide to the 298 District an annual implementation report verifying BMP implementation. The 298 District shall submit a compilation of the individual permittees' annual implementation reports to SFWMD.

BMP Name: Water Management (0.5-inch)

BMP Description: Water management practices shall be implemented by both the 298 District and the individual permittees within Basin ID 50-010-02. Implementation of this BMP requires managing and controlling runoff. Storage of water is accomplished by delayed discharge practices based on daily rainfall measurements or water table elevation criteria. Storage requirements shall be met via on-site canal and soil storage not previously used. Implementation of water management practices associated with this BMP should not conflict with discharge practices authorized under applicable Environmental Resource Permits (ERP) or other surface water management permits.

BMP Reporting: Office records shall be retained by the permittee documenting implementation. Office records shall include a description of BMP operational procedures to provide the required on-site detention and water management. Office records shall include a description of information and rationale for starting and stopping off-site discharge (e.g., daily rain gauge readings, observations and measurement of upper [critical freeboard depth] and lower water table elevations, harvest and planting water table elevations). The established discharge control criteria are summarized in Exhibit 4. Field logs shall include an explanation for discharge events initiated prior to the established discharge control criteria (e.g., critical farming activities). The office records shall include an explanation of any changes from the approved BMP implementation, maintenance, and operation. The individual permittees shall provide to the 298 District an annual implementation report verifying BMP implementation. The 298 District shall submit a compilation of the individual permittees' annual implementation reports to SFWMD.

BMP Name: Water Management (1-inch)

BMP Description: Water management practices shall be implemented by both the 298 District and the individual permittees within Basin IDs 50-010-03, 50-010-04, and 50-010-06. Implementation of this BMP requires managing and controlling runoff. Storage of water is accomplished by delayed discharge practices based on daily rainfall measurements or water table elevation criteria. Storage requirements shall be met via on-site canal and soil storage not previously used. Implementation of water management practices associated with this BMP should not conflict with discharge practices authorized under applicable Environmental Resource Permits (ERP) or other surface water management permits.

BMP Reporting: Office records shall be retained by the permittee documenting implementation. Office records shall include a description of BMP operational procedures to provide the required on-site detention and water management. Office records shall include a description of information and rationale for starting and stopping off-site discharge (e.g., daily rain gauge readings, observations and measurement of upper [critical freeboard depth] and lower water table elevations, harvest and planting water table elevations). The established discharge control criteria are summarized in Exhibit 4. Field logs shall include an explanation for discharge events initiated prior to the established discharge control criteria (e.g., critical farming activities). The office records shall include an explanation of any changes from the approved BMP implementation, maintenance, and operation. The individual permittees shall provide to the 298 District an annual implementation report verifying BMP implementation. The 298 District shall submit a compilation of the individual permittees' annual implementation reports to SFWMD.

BMP Name: Phosphorus BMPs described in the NPDES Permit No. FLS000018

BMP Description: This applies only to specific non-agricultural entities identified in the NPDES Permit and under the Administrative Information section of this Staff Report. The NPDES Permit describes the BMPs for the reduction of phosphorus.

BMP Reporting: SFWMD will verify with FDEP the status of NPDES phosphorus reporting requirements.

DISCHARGE MONITORING PLAN

OVERALL DISCHARGE MONITORING PLAN DESCRIPTION

The Discharge Monitoring Plan shall provide reasonable assurance that the water quality and quantity of off-site discharges are accurately documented. Each discharge site shall be audited by SFWMD representatives for quality assurance of field sample collection procedures.

Typically, every off-site discharge structure within the Everglades Agricultural Area (EAA) must be monitored for total phosphorus (TP) load. For the off-site discharge structures within the Basin IDs 50-010-02, 50-010-03, 50-010-04, and 50-010-06, based on site-specific characteristics, the TP concentration and flow volume data collected at HC15.5TS, HC19.6TS, NR26.4TE, MC24.1TE, NR25.2TW, HC19.7TN, HC22.5TN, EPD-07, MC25.7TW, and S-236 are expected to be reasonably representative of the collective upstream off-site discharges.

The 298 District is required to have SFWMD-approved flow calibrations for each off-site discharge structure it operates. Flow quantity is required to be verified or re-calibrated by methods and at frequencies provided in the SFWMD "Calibration Guidelines."

The 298 District and each permittee within the Basin ID that ultimately discharges through a controlled drainage structure within the permit area must have a rainfall measurement equipment installed at a representative location. The rainfall data collected will be required to document and verify implementation of the water management BMP for each site. The site-specific data shall be recorded on field data logs for each site and will be maintained on-site and readily available for review by SFWMD during BMP site verifications or at the time of flow calculation verifications.

Staff gauge readings at 298 District structures must be recorded on the field logs a minimum of twice daily during discharge events at approximately the same times each day to ensure accurate flow calculations. Methodology for calculating quantity discharged will be based on an approved calibration for each pump and the daily electronic or manual logs for operation. This methodology will be verified through routine on-site verifications of implementation of the BMP Plan and the Discharge Monitoring Plan, and will require submittal of documentation (logs) to SFWMD.

Diversion Project:

The goal of the Diversion Project is to divert, on a long-term average basis, 80% of the volume (and load) historically discharged directly to Lake Okeechobee by the Diversion Project area. Beginning in 2006, by July 1 of each year, the applicant shall submit discharge volume and phosphorous loading data for the previous period (calendar year) of operation to verify the 80% diversion goal was met. The diversion evaluation shall consider the flow from the 298 District area that historically discharged directly to Lake Okeechobee through structure S-236 and directly to the Industrial Canal through structure EPD-07. Diversion structure MC25.7TW serves Unit 5 and S-236 (Basin ID 50-010-06), a total of 10,561 acres, of which 2,111 acres previously discharged directly to the EAA through structure MC26.1TW. The 2,111 acres are not considered as part of the Diversion Project, so the actual diversion area served by structure MC25.7TW is 8,450 acres. The evaluation shall calculate the total flow volume and phosphorus load discharged to the Lake through structures S-236 and EPD-07 for the 298 District diversion area only. The goal is a ratio of no less than 0.80 (an 80% diversion of volume and load). For the first three years, the evaluation was required to consider all available data. The fourth and each subsequent annual evaluation shall consider data for the most recent 3-year period (3-year rolling period). Each completed diversion annual report shall include the basis for the calculations and the following, as applicable, if the goal is not met:

- 1) A description of operational limitations that affected the permittee's ability to meet the goal; and
- 2) Identification of specific measures (including possible modifications to the ERP Operating Permit) that will be implemented to meet the diversion goal, along with a timetable for implementing these measures.

Monitoring and reporting of TP data and daily flow volumes at structure MC25.7TW is conducted by SFWMD under the procedures and sharing protocols outlined in the "Agreement by and Among the South Florida Water Management District and the South Florida Conservancy District". On behalf of the 298 District, SFWMD will compile the phosphorus and flow data for the composite period in the required electronic format. The permittee uses the SFWMD-collected data to meet the permittee-level monitoring requirements. The 298 District has provided access to SFWMD, as indicated in the "Right of Entry" agreement, to collect samples.

In turn, the 298 District shall continue to keep a manual log of upstream and downstream canal stages and time of reading (at a

minimum of twice per day during discharge events at approximately the same time each day), daily rainfall (measured to the hundredth of an inch), pump operation start and stop times, and pump speeds. Within 30 days of the end of each month, the 298 District shall submit daily rainfall values for the previous month as recorded on the manual pump logs for inclusion with daily flows and phosphorus loads in the SFWMD WOD permit database. Representative rainfall data shall accompany the water quality data submitted monthly for MC25.7TW.

Two secondary structures, EPD-07 (which discharges to the Industrial Canal) and S-236 (which discharges to Lake Okeechobee), lay within the Unit 5 and S-236 basin (Basin ID 50-010-06). The permittee has stated that these secondary structures will be used in accordance with permit requirements. During discharges through the secondary structures, water quality grab samples shall be collected at structures EPD-07 and S-236 at least daily, composited, and preserved as indicated in the Environmental Resource Permit (ERP) No. 50-06442-P, Application No. 031027-17. As indicated in ERP No. 50-06442-P, if at some point in the future SFWMD determines that the use of grab sample collection is insufficient to adequately represent flow at structures EPD-07 and S-236, the permittee shall initiate within 30 days a daily monitoring program for total phosphorous concentration using flow proportional automatic samplers (with grab sample as a temporary back-up only).

LABORATORY AND SAMPLER INFORMATION

Laboratory Name: Florida Spectrum Environmental Services, Inc.				Structure ID:		
HRS Certification Number: E86006				EPD-07	HC15.5TS	HC19.6TS
Sample Collector: Mike Lockhart				HC19.7TN	HC22.5TN	MC24.1TE
Field Sampling QA Plan No: 930208				MC25.7TW	NR25.2TW	NR26.4TE
Field Sampling QA Plan Holder: Lockhart Ag Technologies				S-236		

SAMPLE COLLECTION INFORMATION**Sampling Method (FPFW): Automatic Sampler - Flow Proportional/Flow Weighted**

During periods of off-site discharge, water quality composite samples shall be collected, preserved, and the composite sample shall be: a) removed from the sample-collection site and delivered to the laboratory no later than 21 days from the time the first individual sample was taken, and b) analyzed for total phosphorus no later than 28 days from the time the first individual sample was taken. The location of the water quality monitoring sample intake shall be permanently fixed upstream of the discharge location and be placed such that the water sampled is representative of all water that passes through the discharge structure. In the event that water quality automatic sampling equipment becomes inoperable for any reason, grab samples shall be taken temporarily on a daily basis and composited for total phosphorus analysis. Reasonable efforts must be made to render the automatic sampling equipment operable as quickly as possible.

MC25.7TW

Sampling Method (GRAB): Manual Grab Samples

During periods of off-site discharge, water quality grab samples shall be collected at least daily, composited, preserved, and the composite sample shall be: a) composited for no more than 14 days from the time the first individual sample was taken, b) delivered to the laboratory, and c) analyzed for total phosphorus no later than 28 days from the time the first individual sample was taken. The location of the water quality monitoring sample collection shall be upstream of the discharge location, and shall be chosen such that the water sampled is representative of all water that passes through the discharge structure.

EPD-07 S-236

Sampling Method (TPTW): Automatic Sampler - Time Proportional/Time Weighted

During periods of off-site discharge, water quality composite samples shall be collected, preserved, and the composite sample shall be: a) removed from the sample-collection site and delivered to the laboratory no later than 21 days from the time the first individual sample was taken, and b) analyzed for total phosphorus no later than 28 days from the date the first individual sample was taken. The location of the water quality monitoring sample intake shall be permanently fixed upstream of the discharge location and be placed such that the water sampled is representative of all water that passes through the discharge structure. In the event that the water quality automatic sampling equipment becomes inoperable for any reason, grab samples shall be taken temporarily on a daily basis and composited for total phosphorus analysis. Reasonable efforts must be made to render the automatic sampling equipment operable as quickly as possible.

HC15.5TS HC19.6TS HC19.7TN HC22.5TN MC24.1TE NR25.2TW NR26.4TE

WATER QUANTITY (FLOW)**Water Quantity Calibrated:**

It is important to note with regard to quantity of discharge from a structure referenced in this EWOD permit, that the SWM/ERP permit authorizes the maximum quantity of discharge allowed to Works of the District. This EWOD permit only approves the BMP and Discharge (Water Quality) Monitoring Plan related to that discharge. The maximum calibrated capacity referenced in this permit is the peak discharge rate under specific operating conditions certified by a Florida-registered Professional Engineer. The maximum allowable discharge is limited by the SWM/ERP permit authorization regardless of the calibrated capacity referenced herein. The authorizations of other related District permits are summarized within the section titled "Associated Permits" for convenience only.

With regard to the calibrated capacity, Chapter 40E-63, F.A.C., requires all water quality monitoring plans to provide reasonable assurance that annual water discharge and total phosphorus load are accurately documented (subsection 40E-63.136(2) and paragraph 40E-63.156(1)(a), F.A.C.). In response to numerous requests by permittees, the SFWMD Everglades Technical Support Bureau prepared, through a public participation process, guidelines for flow calibration. The guidelines represent a compendium of knowledge from several professionals (internal and external to SFWMD) who have advanced experience in the area of flow calibration. These guidelines may be updated from time to time as better techniques for calibration and flow analysis become known. Input from a number of experts, including representatives of all permit holders, will be sought in any adjustment of the guidelines. All permit holders will be notified of any proposed changes in guidelines and allowed an opportunity for review and comment.

The guidelines are a collection of methods which outline the components of flow calibration and measurements which, if followed, generally provide the reasonable assurance of accurate measured flow required by subsection 40E-63.136(2), F.A.C. The components of flow calibration and measurements outlined in the guidelines do not necessarily reflect all the possible flow circumstances within the EAA. Some unique situations may merit/necessitate the use of procedures that deviate from those outlined in the guidelines. To facilitate SFWMD's technical review and acceptance (as authorized by subsection 40E-63.136(2), F.A.C.) of any submitted flow calibration, each calibration must provide the reasonable assurance for accurate measurement required by subsection 40E-63.136(2), F.A.C. It is suggested that the permittee submit any such proposed deviation in writing to SFWMD for review in advance of the proposed implementation or deviation of calibration procedures to facilitate a timely review process.

EPD-07	HC15.5TS	HC19.6TS	HC19.7TN	HC22.5TN	MC24.1TE	MC25.7TW
NR25.2TW	NR26.4TE	S-236				

REPRESENTED WATER QUALITY MONITORING STATIONS**Water Quality and Flow Sites**

HC22.5TN	MC25.7TW	EPD-07	NR25.2TW	MC24.1TE	HC19.6TS	NR26.4TE
HC19.7TN	S-236	HC15.5TS				

METHODOLOGY FOR CALCULATING TOTAL PHOSPHORUS LOAD

The total phosphorus load entering the receiving system will be calculated from concentration data collected under procedures specified in a Florida Department of Environmental Protection-approved Comprehensive Quality Assurance Plan (CQAP) and analyzed by a Florida Department of Health-certified laboratory, in addition to logged flow data accumulated during drainage discharges. The composite sample total phosphorus concentration (mg/L) will be multiplied by the flow volume (MG) from discharge events (daily time-step) which occurred during the composite sample collection period to develop a daily load figure. Mass loadings (kg) to the receiving body will be calculated by incorporating the proper unit conversion factor to obtain total phosphorus in daily increments.

RAINFALL MONITORING

Each Basin ID that discharges through a structure within the permit area must have rainfall measurement equipment installed at a representative location and placed so that its distance from any obstruction is equal to at least twice the height of the obstruction. The rain gauge shall record rainfall, at a minimum, in one-tenth of inch (0.1") increments, totaled on a daily basis, and reported as part of each water quality data submittal.

OTHER POTENTIAL SOURCES OF PHOSPHORUS UNIQUE TO THIS PERMIT

The permittee has indicated the potential for groundwater seepage at Basin IDs within the permit. Because of the local soil characteristics, the typical farming practice of seepage irrigation, and the prevalence of highly managed drainage systems with one or more pumping structures, seepage throughout the EAA is common. Its impact on phosphorus levels is not known and is likely site-specific.

PERMIT HISTORY

Previous Application 141013-29:

Administrative Update approved March 3, 2015. United States Sugar Corporation purchased three parcels of land totaling 266.61 acres from Triple S. Holdings Ltd., effective September 22, 2014. This application updated ownership and operator information for the relevant parcels.

Updates to landowner, operator, parcel control number, and acreage were made for other parcels where applicable. These updates occurred primarily in two cases:

First, eight non-agricultural parcels were identified as being covered under the National Pollutant Discharge Elimination System (NPDES) Permit for the city of Belle Glade. These parcels are part of the hydrologic drainage area for the Basin IDs and continue to be included in this permit. However, they are no longer listed individually. They are represented by the "Parcels Under an NPDES Permit" in the Administrative Information section of this Staff Report, and the BMPs required for the reduction of phosphorus are those indicated in NPDES permit No. FLS000018.

Second, eight non-agricultural parcels were designated as "Not a Participant" in the Administrative Section of this Staff Report. These parcels were identified as being qualified for a General Permit under subsection 40E-63.120(2), F.A.C. These parcels are part of the hydrologic system for the Basin IDs, therefore, their acreage will continue to be listed in this permit. However, landowners are not participants of this individual permit.

Additionally, HC15.5TS was updated to reflect two pumps with a capacity of 224,032 gallons per minute (GPM), and EPD-07 was updated to reflect four pumps with a capacity of 336,702 GPM.

Previous Application 120323-21:

Permit Renewal approved June 29, 2012: Modifications concurrent with this application for renewal included the following:

1) Basin ID 50-010-02 (Units 1 and 2 and Zone 8 Farm L, 5,206.45 acres, structures HC15.5TS, HC19.6TS, and NR26.4TE) and Basin ID 50-061-20 (Farm G, 156.14 acres, structure HC15.5TS-E) were merged into a single hydrologic basin. The new basin (Basin ID 50-010-02) name is Units 1 and 2, Zone 8 Farm L, and Farm G. The BMP Plan for this basin consists of Water Management (0.5-inch), Particulate Matter and Sediment Controls (6), Nutrient Application Control, Nutrient Spill Prevention, Soil Testing, and NPDES Permit with Phosphorus Controls.

2) The pump start, stop and harvest/plant elevations for the 0.5- and 1.0-inch Water Management BMPs were revised. The new criteria continues to provide the storage volume necessary to detain 0.5 inch or 1.0 inch of rainfall, as applicable.

3) Ownership and operator information, tax identification numbers, maximum calibrated capacities, and farm acreage were updated, where applicable.

Previous Application 070613-8:

Permit Renewal approved December 13, 2007: This renewal included: (1) an update of maximum calibrated capacities for SFCD based on submittal of revised calibration equations, (2) revised property tax identification numbers and ownership resulting from the buying and selling of land, and (3) a change in detention for Unit 1 and 2 & Zone 8 Farm L (Basin ID 50-010-02) from 1.0 inch to 0.5 inch. The approved pumping criteria for achieving the original 1.0-inch level of detention based on rainfall amounts and water table elevation was maintained. However, it was apparent that lower retention based on rain gage readings at the site was being provided. This was explained by the need of providing flood control for the City of Belle Glade, located within SFCD boundaries. The reduced detention level was compensated by Best Management Practices in other categories (sediment control, nutrient management, or urban practices). The revised BMP Plan included 25 points of BMPs for SFCD, the urban, and the agricultural participants.

SFCD was responsible for contacting all property owners and permit participants within its boundaries, as necessary, to inform them of the terms and conditions of this permit.

Where the term "landowner" was used throughout this report, it was meant as a collective term to include any permit participant responsible for permit compliance.

The historical summary of water year phosphorus data for the five water control district Basin IDs 50-010-02, 50-010-03, 50-010-04, 50-010-06, and 50-061-20 was included for reference in Exhibit 11. Note that for the EAA basin the primary compliance was measured basin wide and the secondary compliance was measured at farm level only. Secondary compliance based on farm level data was used for reference only unless the EAA basin was determined by the District to be out of compliance at some future time.

Previous Application 051220-3:

Permit Modification approved March 20, 2006: The purpose of the administration update was to remove structure MC26.1TW, serving the former Unit 5 (Basin ID 50-010-05), from the permit due to structure MC25.7TW coming online. The effective date for termination of MC26.1TW was September 7, 2005. Previous Application No. 040209-1-E provided for the existing Lake Harbor structure MC26.1TW to be abandoned approximately 80 days after MC25.7TW came online. The effective date for structure MC25.7TW was July 29, 2005.

Previous Application 040209-1:

Permit Modification approved January 12, 2005: Basin IDs 50-010-05 and 50-010-06: The Florida Everglades Forever Act requires SFCD to participate in the Everglades Construction Project and divert discharges away from Lake Okeechobee, south to the EAA under the 298 Diversion Project. It is the goal of the Diversion Project that modifications to the discharge occur as funds are available from the Everglades Fund and within 60 days of construction of the appropriate Stormwater Treatment Area. In the case of structure MC25.7TW, ultimate discharge is to STA 3 and 4 (STA 3/4) via the Miami Canal prior to discharge to Water Conservation Area (WCA) 3A. This diversion was completed concurrently with STA 3/4 coming online.

The first three Everglades Works of District (EWOD) permit applications for diversions were submitted in September 1998, for Closter Farms and in April 2000, for East Beach Water Control District and for East Shore Water Control District. Permit applications for the diversion projects to be served by STA 3/4, SSDD and SFCD were submitted in February 2004. Concurrently with the modifications to the EWOD permits, applications for new surface water operating permits were submitted to regulate the operation of the structures under the diversion configuration and reporting requirements.

For the SFCD the Surface Water operating permit describes the operating conditions for SFCD discharge through structure S-236 with the following goals: (1) divert a minimum of 80% of the volume and phosphorous load on a long-term average basis, historically discharged directly to Lake Okeechobee from the SFCD 40E-61 area, (2) allow no increase in total discharges, and (3) identify new structure MC25.7TW as the primary discharge structure, and existing structures S-236 (to Lake Okeechobee) and P-5-W (to Industrial Canal) as secondary structures for the expanded Unit 5 (Basin ID 50-010-06). The existing Lake Harbor structure MC26.1TW serving former Unit 5 (Basin ID 50-010-05) will be abandoned approximately 80 days after MC25.7TW comes online. The permittee needs to report to SFWMD the effective date of termination for its removal from this permit and be released from discharge monitoring requirements.

The acreage added to this permit, specifically to the expanded Unit 5 (Basin ID 50-010-06), as the "New Acreage", historically under Chapter 40E-61, is not within the EAA boundary; however, with this merging of the new acreage (S-236) with the existing EAA acreage, a new 10,102.75 acre basin (expanded Unit 5) was created. As calculated at the time of permit issuance, the expanded Unit 5 consisted of 7991.44 acres of new areas not previously permitted under a EWOD permit and 2111.31 acres from the former Unit 5 (Basin ID 50-010-05). Since the new Basin ID 50-010-06 also included acreage from outside of the EAA basin boundary, Structure MC25.7TW became an "inflow" point to the EAA basin. A portion of phosphorous load from Basin ID 50-010-06 will be considered inflow from outside of the EAA basin boundary (based on the new acreage, 7991.44 acres) and the remaining portion will be considered loads generated from acreage within the EAA boundary.

The discharge from the new and old acreages of the Unit 5 will not be monitored independently, therefore, the existing Basin ID 50-010-05 (formerly Unit 5) became inactive for individual load calculation and individual tax credit determination effective when the new merging Basin ID 50-010-06 became effective in August 2005. In addition, since the former Unit 5 (Basin ID 50-010-05) and expanded areas (S-236) did not qualify for an early baseline, the expanded Unit 5 (Basin ID 50-010-06) automatically did not qualify for an early baseline. The baseline for the new basin is based on the first full year of operation with a complete set of data for the combined Basin ID 50-010-06.

Basin 50-061-20: Farm G was transferred from permit 50-00047-E to this permit. This modification was effective upon issuance of this permit.

Basin 50-010-03: This modification moved 136 acres from the Unit 3 (Basin ID 50-010-03) to the SSDD permit, 50-00081-E, and Basin ID 50-081-02. These acres were hydraulically disconnected by plugging the culvert that runs underneath the Florida East Coast Railroad connecting the lands with SFCD Unit 3. No changes to the original early baseline for this basin are being proposed because of the minimum reduction in acreage (2%). The acreage removal is effective June 23, 2004.

The SFCD area covered under this permit now consisted of five basins. The basins discharging south to the Miami Canal, North New River Canal, and Hillsboro Canal in the EAA are: 1) the Unit 1 and 2 & Zone 8 Farm L (Basin ID 50-010-02, structures HC15.5TS, HC19.6TS, and NR26.4TE); 2) the Unit 3 (Basin ID 50-010-03, structures MC24.1TE and NR25.2TW); 3) the Unit 6 (Basin ID 50-010-04, structures HC19.7TN and HC22.5TN); 4) the Unit 5 and expanded areas (S-236) (Basin ID 50-010-06, structure MC25.7TW); and 5) Farm G (Basin ID 50-061-20, structure HC15.5TS-E). All the structures serving all the basins in this permit were existing structures except for structure MC25.7TW which became effective in December 2004. These five basins are hydrologically isolated from each other.

It was the intent that this permit, under the Chapter 40E-63 program, would be consistent with the requirement outlined in Chapter 40E-61 program, the EAA-EPD Management Plan Master Permit (50-00001-E), the SWM/ERP operating permit, and DEP Consent Agreement OGC File No. 91-0707; and every effort will be made to avoid duplication of effort, particularly with Best Management Practices implementation, monitoring, and reporting requirements. If a conflict in permitting requirements between programs arises, the more stringent requirement shall apply. Participation in the required Chapter 40E-63 BMP program does not relieve the parcel owners or participants in the permit No. 50-00001-E Management Plan Master Permit of the responsibility for compliance with other rule or statutory requirements applicable to Lake Okeechobee, the EAA, or other water bodies or basins.

Previous Application 011231-1:

Permit Renewal approved April 11, 2002: This renewal included updates to property tax identification numbers, acreages and ownership resulting from the buying and selling of land.

Previous Application 991012-1:

Permit Modification approved December 9, 1999: Basin ID 50-010-02 (Structures HC15.5TS, HC19.6TS and NR26.4TE) originally included 5,100.99 acres, which was expanded by merger with the 266 acres of existing Basin ID 50-061-02 (west portion of Section 1, Township 44S, Range 37E). This resulted in a larger Basin ID 50-010-02 of 5,366.99 total acres, with Basin ID 50-061-02 becoming obsolete. The effective date of this change was May 17, 1999.

Basin ID 50-061-02 (structure HC15.5TS01), was historically monitored for water quantity only. As part of this modification, this structure became a non-monitored structure discharging internally to the newly merged basin. Monitoring for Basin ID 50-061-02 is downstream at HC15.5TS. All reporting for this structure is by the SFCD. The effective date of this change was May 17, 1999.

Under the agreement, SFWMD became the owner of 50,857 acres of lands in fee and 490.0 acres of leased lands in the southern portion of the EAA. Some of these lands were previously owned or controlled by Talisman and some were previously owned or controlled by other parties to the agreement. The non-Talisman farming entities that previously owned land in the District-acquired area exchanged their interest in those lands for interests in the northern Talisman parcels that were not acquired by the District. They also retained a farming reservation on the District's newly acquired southern lands that Talisman previously owned. The farming reservations ran until March 2005, except for those lands requiring initiation of construction of STA 3/4 by 2002.

The Exchange Agreement also included a separate Agreement governing the Transfer of Permits/Notification of Transfer of Interest in Real Property. The Permit Agreement provided for the transfer/modification, where applicable, of the existing Talisman permits (surface water management, water use, right of way, Everglades Works of the District, etc.) from Talisman to the new owners or lessees of the various parcels as co-permittees upon submittal of the required information. This information included, at minimum, a Joint Use, Maintenance and Right of Entry Agreement signed by all the new and existing (where applicable) co-permittees.

These changes were a result of the following:

On March 25, 1999, an Exchange and Purchase and Sale Agreement, governing the sale and exchange of over 60,000 acres of land in the EAA, was executed by SFWMD, Talisman Sugar Corporation, St. Joe Paper Company, United States Sugar Company, Okeelanta Corporation, South Florida Industries, Inc., Florida Crystals Corporation, Sugar Cane Growers Cooperative of Florida, United States Department of the Interior, and the Nature Conservancy. Most of the lands (approximately 54,500 acres) were either owned or leased by the Talisman Sugar Corporation.

Pursuant to the Exchange Agreement, Basin ID 50-061-02 was acquired by Triple S Holdings (Knight Holdings).

Basin ID 50-010-02 is an early baseline basin while former Basin ID 50-061-02 is not. The merger of Basin ID 50-061-02 into Basin ID 50-010-02 did not affect the early baseline status of the SFCD Basin ID 50-010-02. However, should Basin ID 50-061-02 separate from the SFCD permit, it will revert back to a non-early baseline basin.

The merger of existing Basin IDs 50-010-02 and 50-061-02 formed one new larger Basin ID 50-010-02. The Adjusted Unit Area Load (AUAL) baseline value for existing Basin ID 50-010-02 (established WY94) is 1.86 pounds/acre for 5,100.99 acres. The AUAL baseline value for existing Basin ID 50-061-02 (established WY95) is 0.34 pounds/acre for 266.00 acres. The average-weighted AUAL baseline value for the new Basin ID 50-010-02 is 1.78 pounds/acre (5,366.99 acres). Permit No. 50-00061-E was modified concurrently to remove Basin ID 50-061-02.

Previous Application 961115-3:

Permit Renewal approved March 12, 1998: Basin ID 50-010-01 (structure HC17.9TS), including 784.17 total acres was moved from this permit to permit 50-00074-E with the University of Florida Institute for Food and Agricultural Services Everglades Research and Education Center (IFAS-EREC) as the permittee. Pump structure HC17.9TS is located within Unit 2 of the SFCD boundaries. The property was managed by IFAS-EREC and was used primarily for crop and BMP research, development and monitoring. The effective date of this change was June 1, 1997.

Also occurring in previous Application No. 961115-3-E: Basin ID 50-010-05 (structure MC26.1TW also known as P-5-E), including 2,090.67 total acres, was determined to discharge to the EAA. It was added to this permit as a new basin. The effective date of this change was January 1, 1997.

Previous Application 920930-4:

This was the original permit issued to South Florida Conservancy on July 15, 1993.

PERMIT CONDITIONS

Administrative Conditions:

1. The permit application and Staff Report are incorporated by reference and made part of this permit.
2. This permit authorizes the use of the Works of the District named in the Staff Report for the period specified on the permit, provided the Best Management Practices and the Discharge Monitoring Plans are continuously implemented and maintained. Continued use of the Works of the District beyond the expiration date will require renewal of this permit by the permittee. The permittee shall submit an application for permit renewal at least 90 days prior to the expiration date.
3. If SFWMD is unable to fulfill its responsibilities to improve and protect the water quality of the Everglades Protection Area, or to reduce the phosphorus loadings from the basins within the Everglades Agricultural Area by 25% from the implementation of best management practices, SFWMD may institute appropriate proceedings, pursuant to subsection 40E-63.101(5), F.A.C., to ensure that the goals are met.
4. If a modification to the approved BMP Plan or Discharge Monitoring Plan is filed in the future and the proposed activity is under the scope of other SFWMD Rules requiring authorization, the permittee shall also submit applications for the applicable new permits or modifications (e.g. Environmental Resource Permitting, Surface Water Management, Consumptive Use, Well Construction, or Right-of-Way).
5. The property, which is the subject of this permit, is located in an area which is subject to Section 373.4592, F.S. (Everglades Forever Act). This special condition is to advise the permittee that this property will be subject to additional permitting requirements for implementation of a Best Management Practice research program in the event that the EAA Environmental Protection District is found not in compliance with subparagraph 373.4592(4)(f)(2), F.S.
6. Permittee must notify SFWMD within 30 days after any transfer of interest or control of real property covered under this permit and shall provide the date of the transfer. Until such notice is received, SFWMD will hold the existing permittee(s) responsible for its/their obligations under the permit. Within 90 days of the effective date of the transfer, the vacating Permittee shall submit all outstanding reports and data and shall ensure compliance with all requirements of the permit such that there are no gaps in data required by the permit.

Limiting Conditions:

1. The permittee shall successfully implement all elements and requirements of the approved Best Management Practices Plan according to schedule, including monitoring of implementation, operation and rationale (see Best Management Practice Conditions).
2. The permittee shall implement all elements and requirements of the approved monitoring program adequately and according to the approved schedule to ensure that flow, total phosphorus concentration, and phosphorus load are documented (see Discharge Monitoring Conditions).
3. The permittee shall allow SFWMD staff, or designated agents, reasonable access to the permitted property, at any time, for the purpose of evaluating the water quality monitoring system on-site, collecting water quality samples, or monitoring best management practice implementation. SFWMD staff shall attempt to notify (e.g. telephone, email) a person designated by the permittee prior to a site visit. Since it is not possible to predict precisely when discharges will occur or problems will arise resulting in the need for a site visit, SFWMD may not be able to provide a lengthy period of notice to the designated person in advance of a visit. However, at a minimum, SFWMD will provide notice at least one hour prior to a site visit for the purpose of water quality monitoring and at least 24 hours prior to a site visit for best management practice installation or operation inspections.
4. The permittee shall notify SFWMD, in writing, within 30 days after any significant change in land practice to any permitted parcel. Land practice change is described in subsection 40E-63.102(7), F.A.C., as any change in the use of a parcel

which is likely to result in significant changes to the scope or type of best management practice (BMP) specified in the permitted BMP Plan for the parcel or in the effectiveness of the BMP specified in the permitted plan.

5. This permit does not relieve the permittee of the responsibility to comply with all other laws or regulations applicable to the use of or discharges from the parcel.
6. This permit does not convey to the permittee any property right nor any rights or privileges other than those specified in the permit.
7. This permit does not relieve the permittee from liability for harm or injury to: human health or welfare; animal, plant or aquatic life; or property.
8. The surface water management and monitoring systems must be effectively operated and maintained, and any changes in drainage, land use or operations that could affect validity or interpretation of monitoring data must be reported in writing to SFWMD.
9. The permitted discharge shall not otherwise be harmful, or adversely affect proper use and operation of the Works of the District.
10. The permittee shall achieve the phosphorus load allocations specified in Appendices A3 (EAA Basin Compliance) and A4 (EAA Farm-Scale Allocation), in accordance with the procedures described in Rule 40E-63.145, F.A.C., (Compliance and Enforcement of Individual Permits).
11. Legal entities, or groups of cooperating landowners, operators, and lessees responsible for implementing this permit, shall remain capable of performing their responsibilities required by permits issued pursuant of Chapter 40E-63, F.A.C.
12. In the event that SFWMD determines that any permittee within a permit is not complying with the specific terms and conditions of the permit, SFWMD will institute enforcement proceedings against this permittee, and if applicable, require the non-complying permittee to apply for a separate individual permit.

Best Management Practice Conditions:

1. The permittee shall submit any proposed revisions to the Best Management Practices Plan for review to SFWMD. SFWMD staff will review the proposed modifications and take final action. The permittee shall continue to implement the permitted Best Management Practices Plan until receiving SFWMD approval for the modification.
2. The permittee shall submit to SFWMD an annual report summarizing implementation of the approved Best Management Practices Plan. The report must contain a summary of all required activities including documentation of best management practice installation, operation, and maintenance activities. The report is due February 1 of each year after permit issuance and shall cover the previous calendar year.

Discharge (Water Quality And Quantity) Monitoring Conditions:

1. The permittee shall submit to SFWMD any proposed modification to the monitoring plan. SFWMD staff will review the proposed modification and determine the appropriate action. The permittee shall implement the permitted Discharge Monitoring Plan until receiving SFWMD approval for the modification.
2. All field water quality sample collection, preservation, handling, transport, and chain-of-custody documentation must be conducted in accordance with the Florida Department of Environmental Protection-approved Comprehensive Quality Assurance Plan, as specified in the approved Discharge Monitoring Plan. All phosphorus analyses shall be conducted by a laboratory specified in the approved Discharge Monitoring Plan. The laboratory must have a current certification by the Florida Department of Health for the appropriate phosphorus analysis.

3. Chapter 40E-63, F.A.C., requires proper implementation of the Discharge Monitoring Plan to provide reasonable assurance that annual water discharge and total phosphorus load are accurately documented (subsection 40E-63.136(2), F.A.C.). Subparagraph 40E-63.136(2)(g), F.A.C., requires a plan be implemented for guaranteeing resumption of sampling if planned sampling devices or techniques become inoperable. In the event that water quality automatic sampling equipment becomes inoperable for any reason, temporary grab samples shall be taken on a daily basis during discharge and samples will be composited for no more than 14 days for total phosphorus analysis. Reasonable efforts must be made to render the automatic sampling equipment operable within the 14 days or as quickly as possible to avoid situations with missing data.
4. Monitoring conditions may be reduced or adjusted upon submission of data and/or studies acceptable to SFWMD which demonstrate that reasonably equivalent data will be obtained from the reduction or adjustment in monitoring.
5. SFWMD will provide at least a one-week notice to the applicant of its intent to conduct a Quality Assurance (QA) field audit of sample-collection procedures. SFWMD will also provide the results of the QA field audit to the permittee.
6. As required by paragraph 40E-63.136(2)(e), F.A.C., the monthly discharge monitoring reports, including water quality, quantity, and rainfall data must be submitted through the SFWMD web-based submittal system no later than 60 days from the last day of the sampling period being reported. The SFWMD web-based Everglades Works of the District (EWOD) data submittal system is available to all permittees at <http://my.sfwmd.gov/ewodweb/>.
7. SFWMD will compile and distribute an annual water quality and quantity report for review by the permittee. The permittee shall notify SFWMD of any discrepancies within 30 days of receipt of the report.
8. Chapter 40E-63, F.A.C. requires all Discharge Monitoring Plans to provide reasonable assurance that annual water discharge and total phosphorus load are accurately documented (subsection 40E-63.136(2) and paragraph 40E-63.156(1)(a), F.A.C.). Subparagraph 40E-63.136(2)(c)9, F.A.C., requires the pump calibration methodology and results of the calibration methodology to be certified by a Florida-registered Professional Engineer. Each calibration report shall contain, at a minimum, methodology, instrumentation, procedures, data collected, operational information needed to determine flow, and final calculations applied to determine flow. Each calibration shall cover the full operating ranges of pump speed and head differentials. The calibration shall also contain a site-specific temporary backup methodology to be utilized if the primary flow measurement equipment becomes inoperable for any reason. The permittee shall submit a revised certified pump calibration or verification within 90 days of an individual pump exceeding 550 days of operation, or within 90 days of any pump or structure modifications, changes, or improvements which affect discharge measurement. Any requests for extensions of time to complete the calibrations must be accompanied by a proposed schedule for review and approval by SFWMD.

Special Conditions:

1. As referenced throughout this Staff Report, documentation requirements for implementing the water management BMP at the upstream permittees' controlled off-site drainage structures are typically satisfied via a structure operation log; however, the upstream permittee structure log may be substituted with the 298 District structure pump logs for the corresponding Basin ID. This method of documentation may be reconsidered by SFWMD if a determination is made that 1) technical or historical factors described in the permit application file have changed, 2) documentation of implementation at the 298 District structures (HC15.5TS, HC19.6TS, NR26.4TE, MC24.1TE, NR25.2TW, HC19.7TN, HC22.5TN, MC25.7TW, EPD-07, and S-236) indicates that the water management BMP requirements are not consistently being met, or 3) that the 298 District structure logs are not providing reasonable assurance of BMP implementation at upstream permittees' controlled drainage structures. If the 298 District is determined to be in a permit noncompliance status for not properly implementing or documenting implementation of the water management BMP, and the 298 District does not remedy the noncompliance, SFWMD will notify all upstream permittees that a permit modification is required. Beginning with the May 2018 pump log, the 298 District shall submit monthly pump logs for at least 12 months to verify compliance. Thereafter, upon request from SFWMD, pump logs shall be submitted on an as needed basis.
2. Within 60 days of permit issuance, a properly executed Participant Agreement for each permittee listed in the Administrative Information section of this staff report shall be submitted to SFWMD.



Permit Number: 50-00010-E
Basin/Unit Area ID: 50-010-02

Application Number: 170324-28
Basin Name: SFCD Units 1&2

PARTICIPANT BMPs	PTS	SUGAR CANE	VEG	CORN	RICE	SOD	CITRUS*	PASTURE	URBAN	OTHER**
NUTRIENT CONTROL PRACTICES										
Nutrient Application Control	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5		2.5
Nutrient Spill Prevention	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5		2.5
Soil Testing	5	5	5	5	5	5	5	5		5
Plant Tissue Analysis	2.5									
Split Nutrient Application	5									
Slow Release P Fertilizer	5									
No Nutrients Imported via Direct Land Application	15									
PARTICULATE MATTER AND SEDIMENT CONTROLS (SEE EXHIBIT 2)										
Particulate Matter and Sediment Controls (2)	2.5									
Particulate Matter and Sediment Controls (4) ***	5									
Particulate Matter and Sediment Controls (6)	10	10	10	10	10	10	10	10	10	10
WATER MANAGEMENT PRACTICES										
Water Management (0.5-inch)	5	5	5	5	5	5	5	5	5	5
Water Management (1.0 -inch)	10									
Water Management (1.5-inch)	15									
Water Management (greater than 1.5-inch)	15									
Improved Infrastructure	5									
Reduced Flow Through Water Table Management	5									
PASTURE MANAGEMENT										
Pasture Management	5									
OTHER BMPs										
Urban Xeriscape	5									
Detention Pond Littoral Zone	5									
NPDES Permit with Phosphorus Controls	15								15	
Other										
TOTALS (minimum 25 points)		25	25	25	25	25	25		30	25

NOTE: Points in shaded cells require ample justification.

Comments: *CITRUS: Includes tropical fruits; **OTHER: Includes aloe, plantains, tree crops, tropical varieties; ***2 for SFCD (the 298 District), 4 for individual permittees



Permit Number: 50-00010-E

Application Number: 170324-20

Basin/Unit Area ID: 50-010-03, 50-010-04, 50-010-06

Basin Name: SFCD Unit 3, Unit 6, Unit 5 & S-236

PARTICIPANT BMPs	PTS	SUGAR CANE	VEG	CORN	RICE	SOD	CITRUS*	PASTURE	URBAN	OTHER 1**	OTHER 2***
NUTRIENT CONTROL PRACTICES											
Nutrient Application Control	2.5	2.5	2.5	2.5	2.5		2.5	2.5		2.5	
Nutrient Spill Prevention	2.5	2.5	2.5	2.5	2.5		2.5	2.5		2.5	
Soil Testing	5	5	5	5	5		5	5		5	
Plant Tissue Analysis	2.5										
Split Nutrient Application	5										
Slow Release P Fertilizer	5										
No Nutrients Imported via Direct Land Application	15										15
PARTICULATE MATTER AND SEDIMENT CONTROLS (SEE EXHIBIT 2)											
Particulate Matter and Sediment Controls (2)	2.5										
Particulate Matter and Sediment Controls (4) *	5	5	5	5	5		5	5	5	5	5
Particulate Matter and Sediment Controls (6)	10										
WATER MANAGEMENT PRACTICES											
Water Management (0.5-inch)	5										
Water Management (1.0 -inch)	10	10	10	10	10		10	10	10	10	10
Water Management (1.5-inch)	15										
Water Management (greater than 1.5-inch)	15										
Improved Infrastructure	5										
Reduced Flow Through Water Table Management	5										
PASTURE MANAGEMENT											
Pasture Management	5										
OTHER BMPs											
Urban Xeriscape	5										
Detention Pond Littoral Zone	5										
NPDES Permit with Phosphorus Controls	15								15		
Other											
TOTALS (minimum 25 points)		25	25	25	25		25	25	30	25	30

NOTE: Points in shaded cells require ample justification.

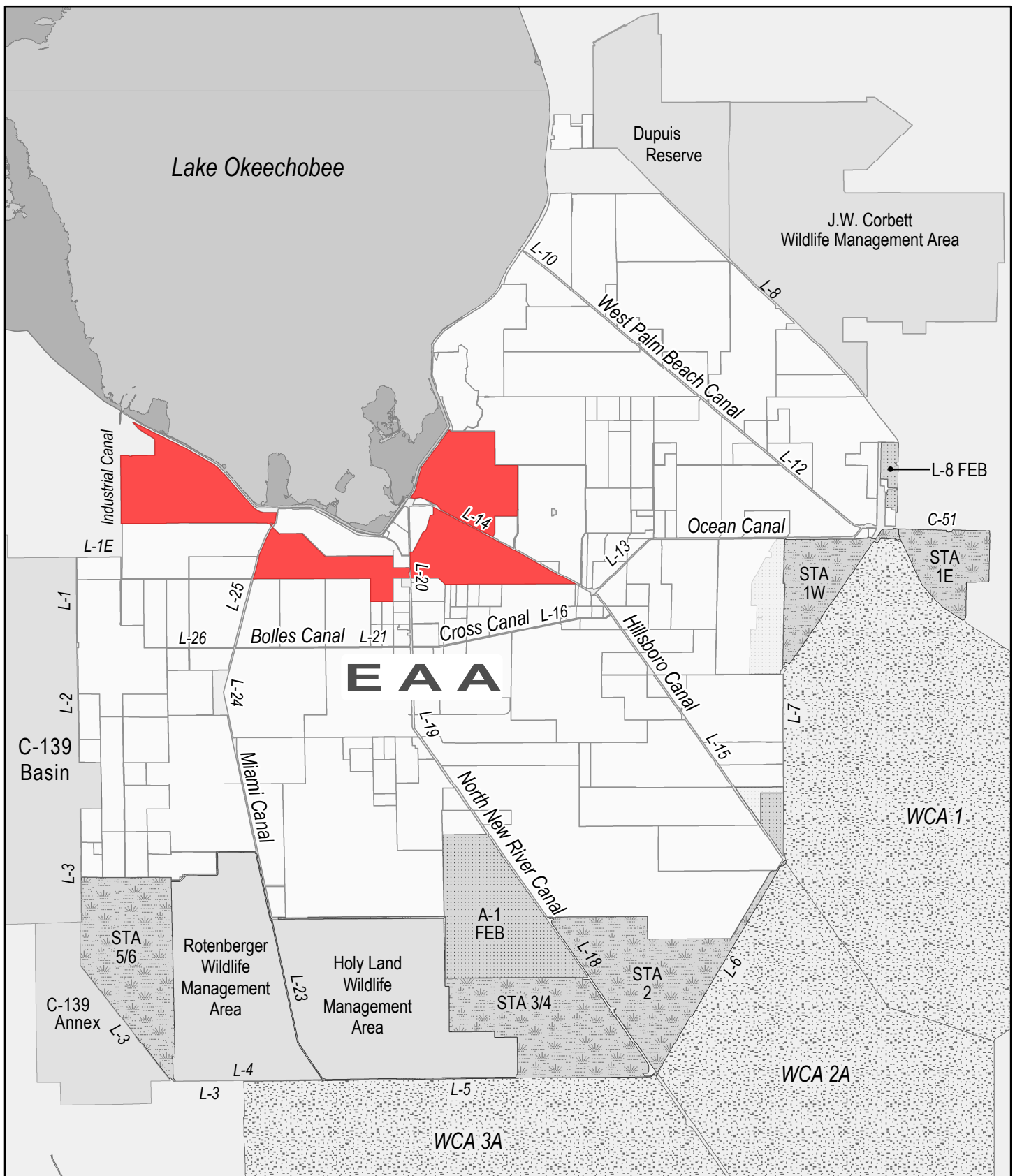
Comments: *CITRUS: Includes tropical fruits; **OTHER 1: Includes aloe, plantains, tree crops, tropical varieties; ***OTHER 2: Applies to Permit 50-10933-P; +2 for SFCD (the 298 District), 2 for individual permittees

EXHIBIT 1

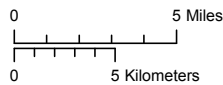
Particulate Matter and Sediment Control Practices

PRACTICE	DESCRIPTION
Level Fields	Reduce soil erosion through a systematic maintenance program of leveling fields promoting uniform drainage.
Slow Velocity in Main Canal	Minimize sediment transport by slowing the velocity in the main canal near the farm discharge structure (i.e. construct and maintain a sediment trap; widened canal section).
Grassed Waterways and Field Ditch Connections to Lateral Canals	Reduce soil erosion using turf grass as a soil stabilizer in swales or waterways, and at the point of field ditch connections to lateral canals.
Ditch Bank Berms	Minimize sediment transport by constructing berms on top of ditch banks and promoting vegetative cover.
Canal Cleaning Program	Minimize sediment build-up through a systematic canal cleaning program and management plan to regularly remove sediments from ditches and canals.
Aquatic Weed Control	Minimize phosphorus released from aquatic plants by controlling them at the main discharge locations.
Field Ditch Drainage Sumps	Reduce sediment transport by creating and maintaining sumps to trap sediments at field ditch connections to lateral canals.
Discharge Barriers	Reduce phosphorus-laden debris from leaving the site by using barriers at discharge locations.
Constructed Ditch-Bank Stabilization	Reduce soil erosion through the construction and maintenance of ditch-bank stabilization (i.e. revetment; rip rap).
Slow Field Ditch Drainage	Minimize sediment transport with slow field ditch drainage near the discharge structure by placing and maintaining culverts with risers and boards on laterals and/or field ditch connections near farm discharge pumps.
Sediment Sump in Main Canal	Reduce sediment transport by constructing and maintaining a sediment sump on the upstream side of farm discharge structures.
Forage Growth	Reduce soil erosion by maintaining a sustainable forage growth on pasture.
Filter Strips or Riparian Conservation Buffers	Reduce sediment transport by using filter strips or riparian conservation buffers adjacent to waterways. No phosphorus is applied to these areas.
Vegetation Cover in Upland Areas	Reduce soil erosion by maintaining vegetative cover in upland areas.
Soil Stabilization Infrastructure	Reduce sediment transport by stabilizing the soil at canal/ditch intersections through infrastructure improvements (i.e. flexible plastic pipe; polymer treatment).
Cover Crops	Reduce soil erosion with cover crops and/or fallow flooded fields.
Culverts Above Ditch Bottoms	Minimize sediment transport by placing and maintaining culvert bottoms above all ditch bottoms on the farm side of their connection to the lateral or main canals.
Canal Bank Vegetation	Reduce sediment transport by planting vegetation or maintaining existing vegetation along all ditch and canal banks.
Other Sediment Control BMP	Proposed by permittee and accepted by SFWMD.

EXHIBIT 2



South Florida Water Management District
3301 Gun Club Road
West Palm Beach, Florida 33406
(561) 686-8800 www.sfwmd.gov



SOUTH FLORIDA CONSERVANCY DISTRICT

Permit Number: 50-00010-E
Application Number: 170324-28

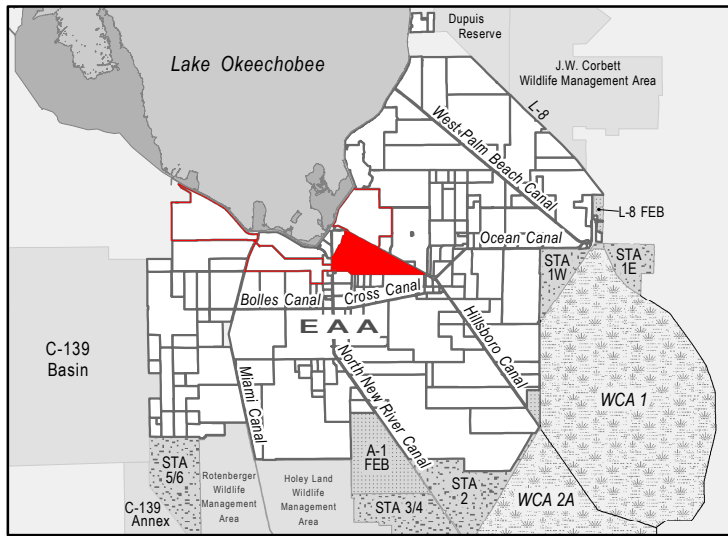
EXHIBIT 3

BASE CREDITS:
• State Plane Projection, Florida East Zone, NAD 83-HARN, US Feet
• Structures and Permit data current as of Water Year 2017

IMPORTANT DISCLAIMER:
This map is a conceptual or planning tool only. The South Florida Water Management District does not guarantee or make any representation regarding the information contained herein. It is not self-executing or binding, and does not affect the interests of any persons or properties, including any present or future right or use of real property.

Map Date: February 2018

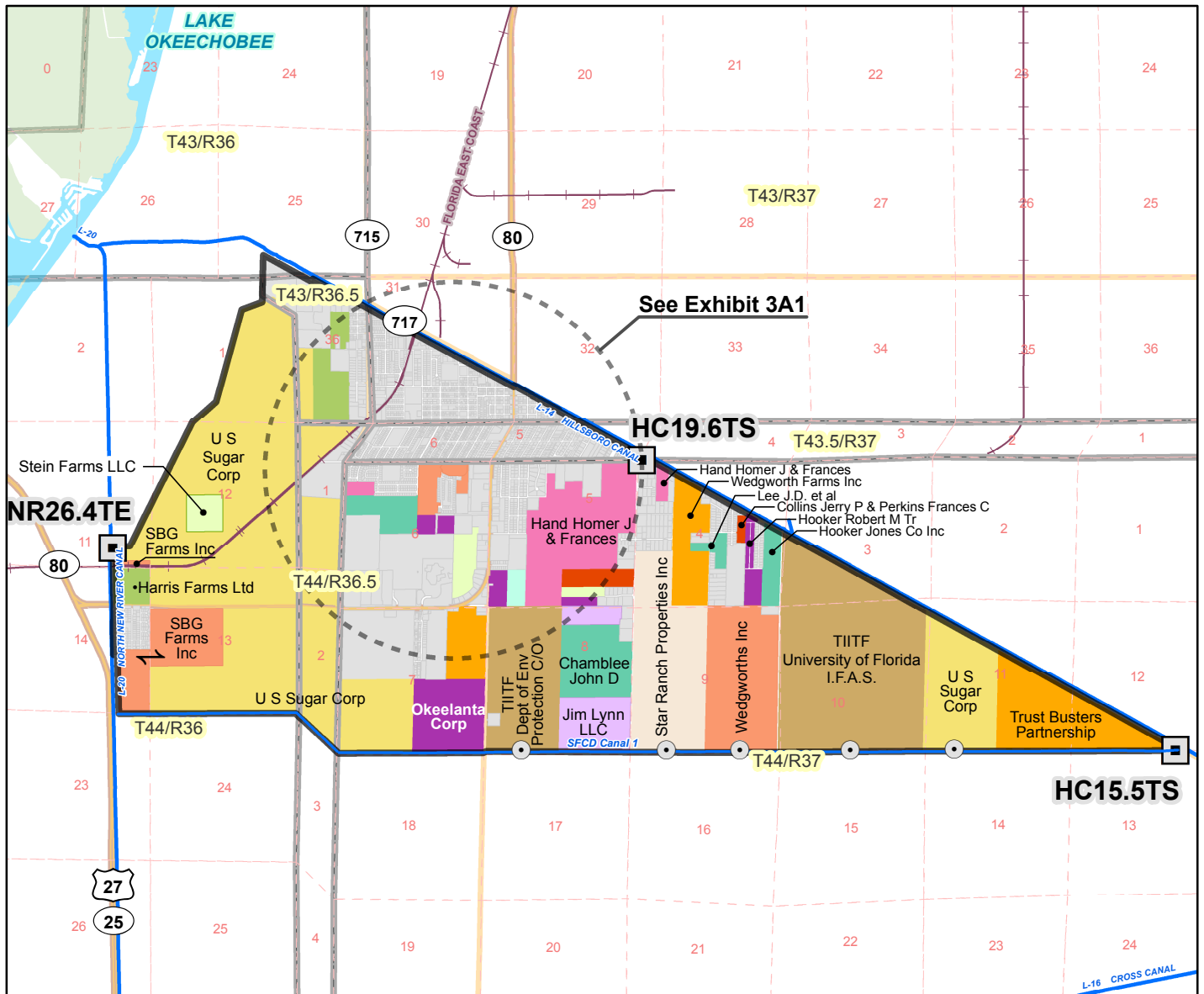




SOUTH FLORIDA CONSERVANCY DISTRICT

Permit Number: 50-00010-E
Application Number: 170324-28
Basin ID: 50-010-02

- Off-site Discharge Structure
- Internal Pump
- Canal

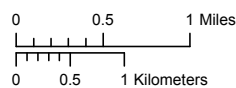


South Florida Water Management District
3301 Gun Club Road
West Palm Beach, Florida 33406
(561) 686-8800
www.sfwmd.gov

Map Date: March 2018



EXHIBIT 3A



BASE CREDITS:
• State Plane Projection, Florida East Zone, NAD 83-HARN, US Feet
• Structures and Permit data current as of Water Year 2017

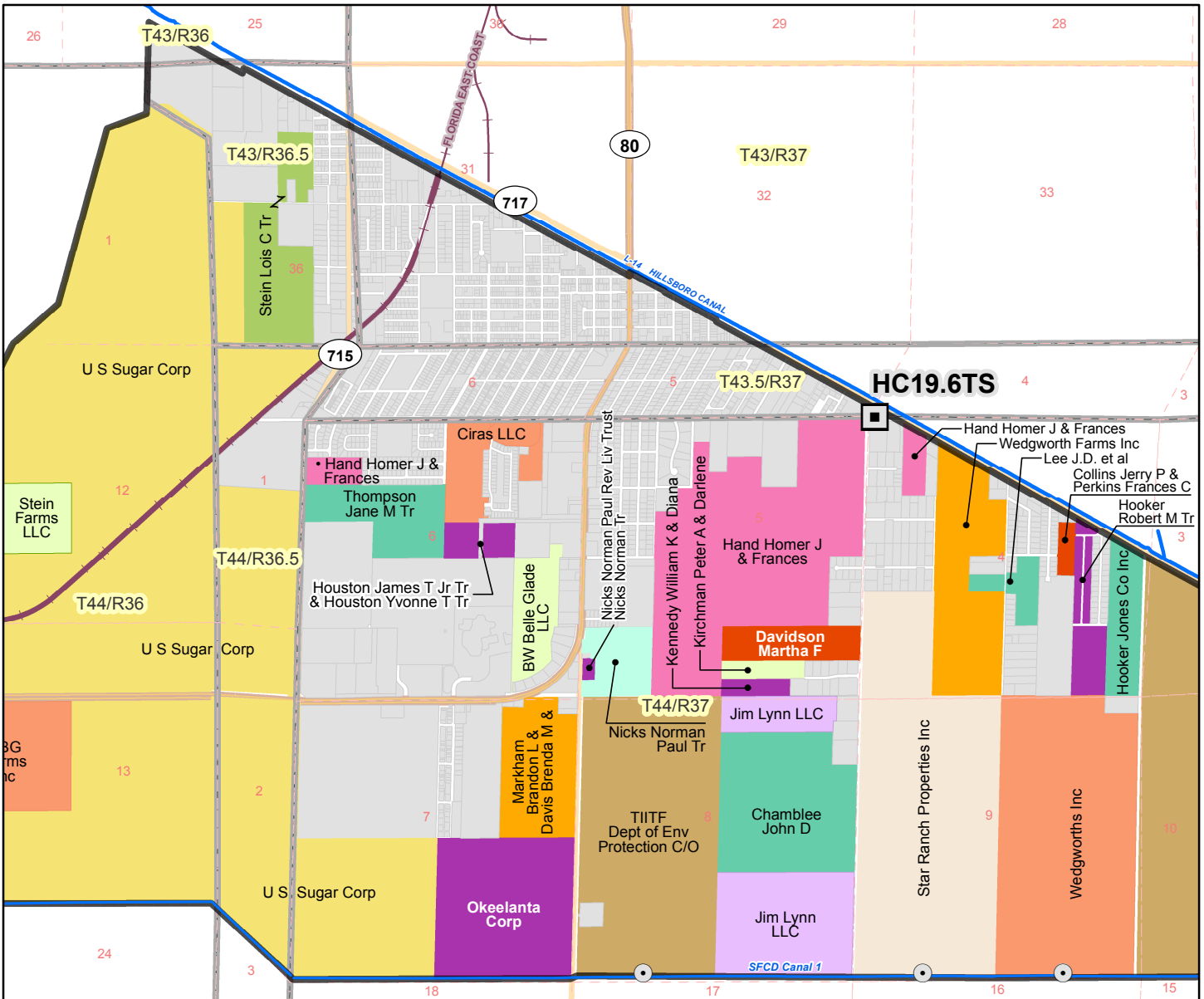
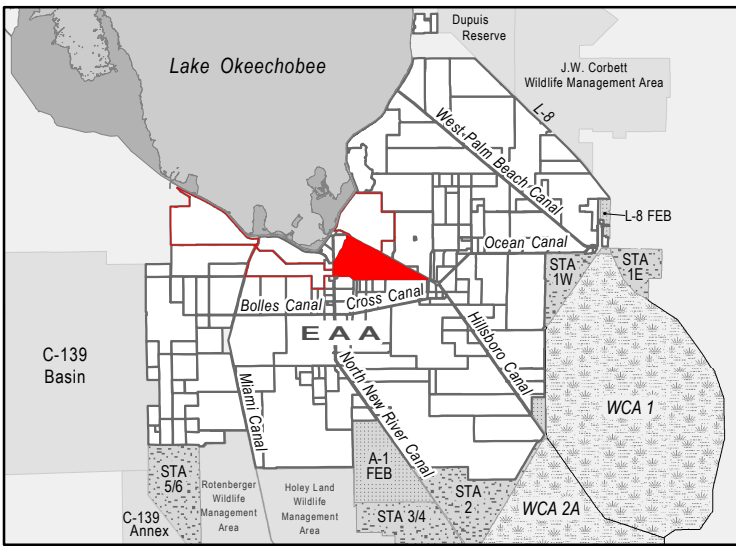
IMPORTANT DISCLAIMER:
This map is a conceptual or planning tool only. The South Florida Water Management District does not guarantee or make any representation regarding the information contained herein. It is not self-executing or binding, and does not affect the interests of any persons or properties, including any present or future right or use of real property.



SOUTH FLORIDA CONSERVANCY DISTRICT

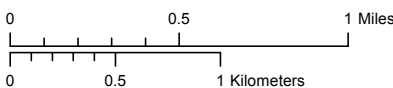
Permit Number: 50-00010-E
Application Number: 170324-28
Basin ID: 50-010-02

-  Off-site Discharge Structure
-  Internal Pump
-  Canal



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EXHIBIT 3A1



BASE CREDITS:
• State Plane Projection, Florida East Zone, NAD 83-HARN, US Feet
• Structures and Permit data current as of Water Year 2017

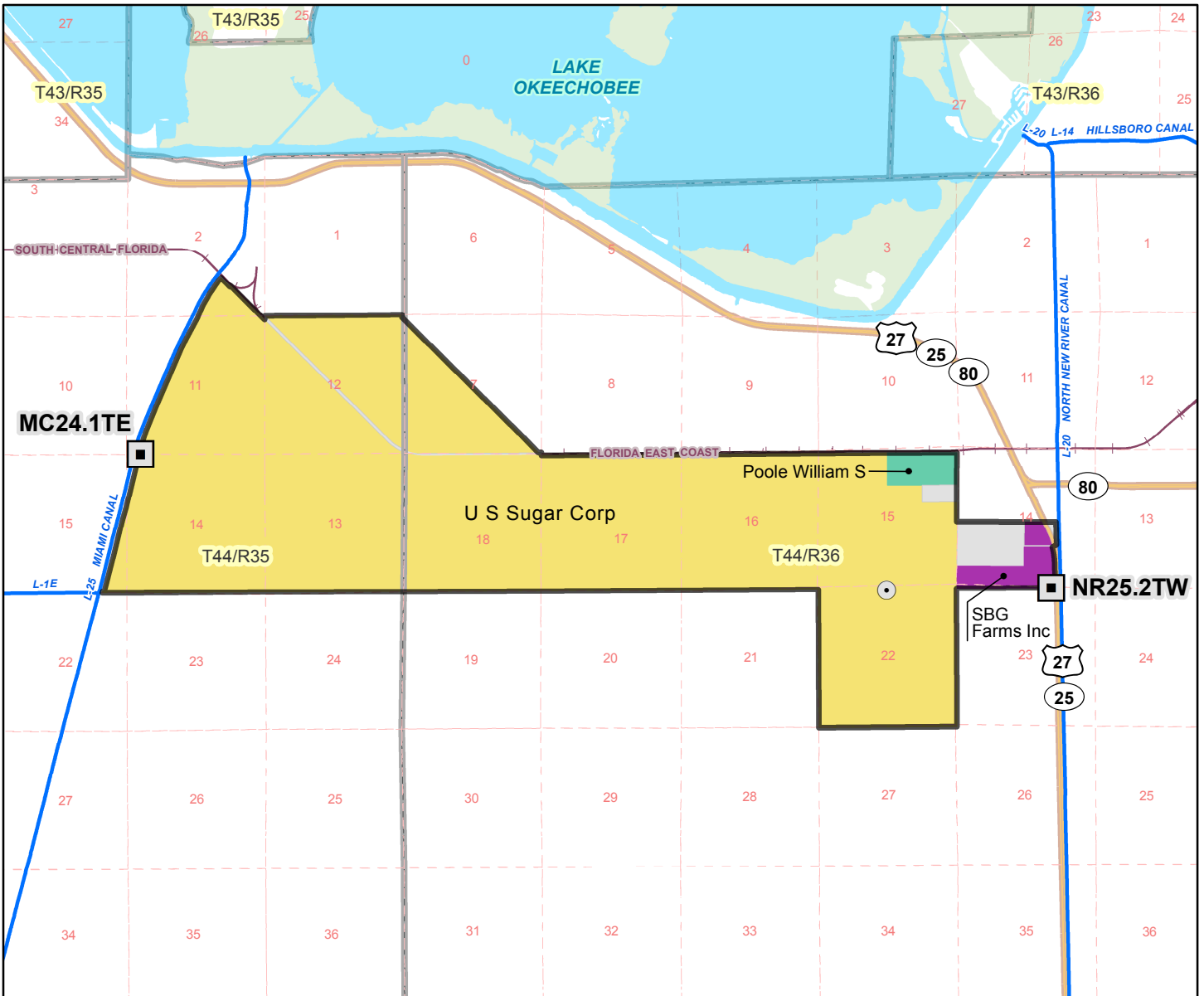
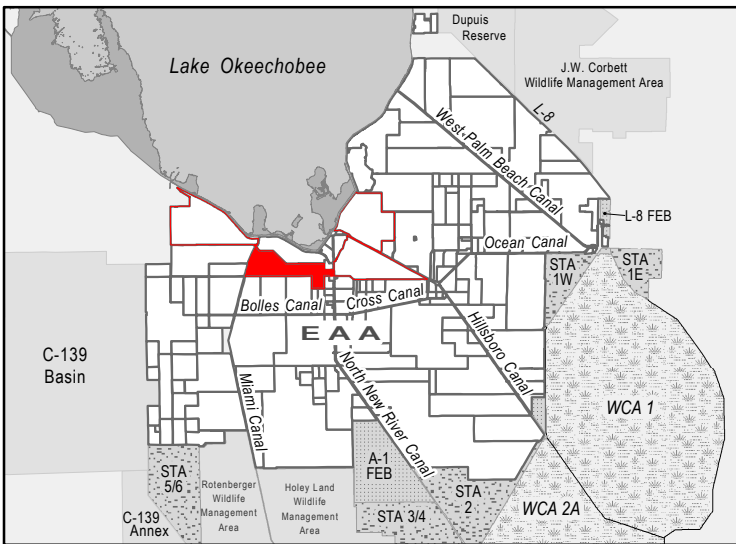
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SOUTH FLORIDA CONSERVANCY DISTRICT

Permit Number: 50-00010-E
Application Number: 170324-28
Basin ID: 50-010-03

- Off-site Discharge Structure
- Internal Pump
- Canal

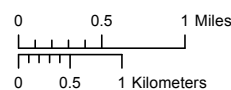


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Map Date: March 2018



EXHIBIT 3B



BASE CREDITS:
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• Structures and Permit data current as of Water Year 2017

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Permit Number: 50-00010-E
Application Number: 170324-28
Basin ID: 50-010-04

-



Map Date: March 2018



BASE CREDITS:

- State Plane Projection, Florida East Zone, NAD 83-HARN, US Feet
- Structures and Permit data current as of Water Year 2017

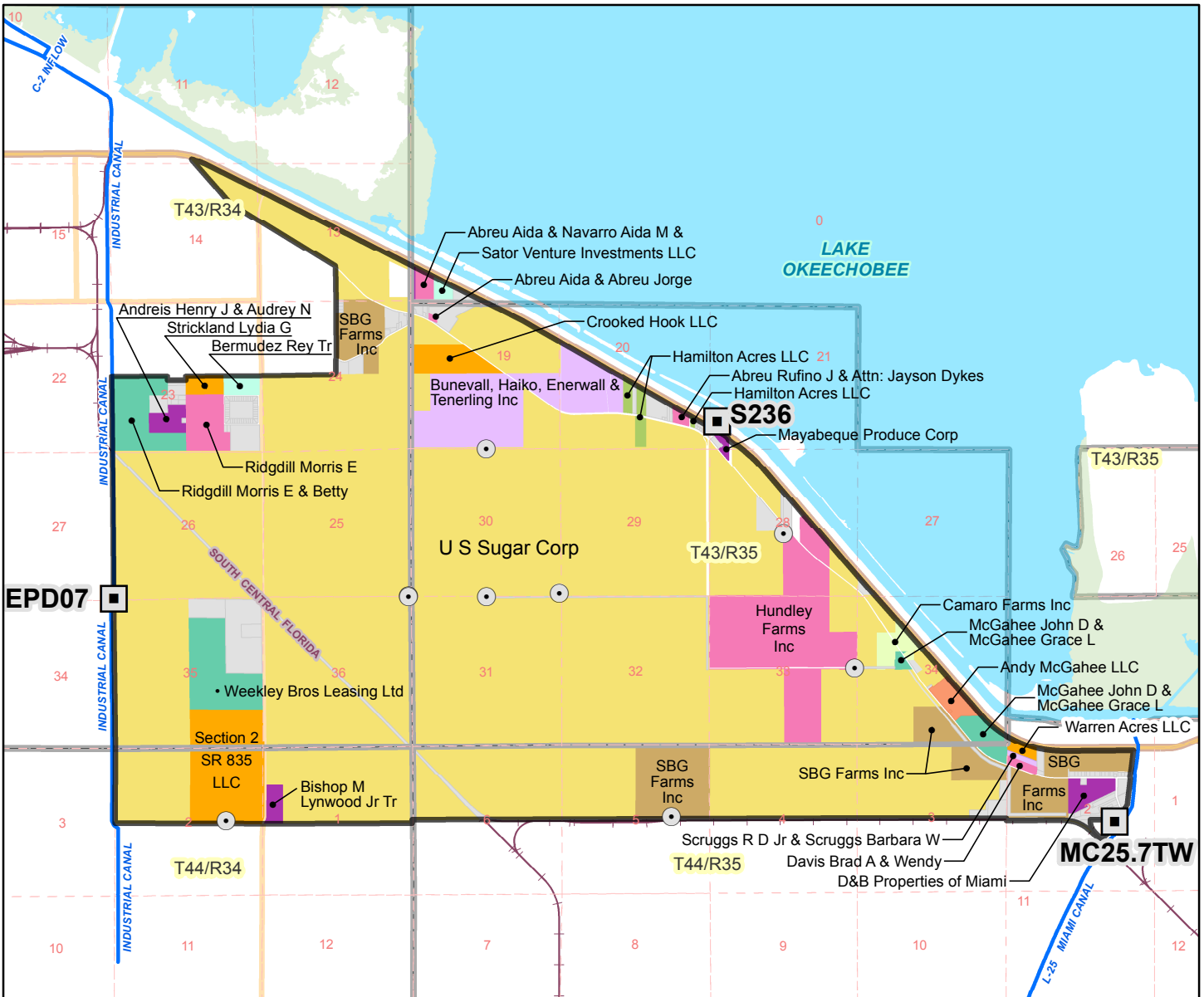
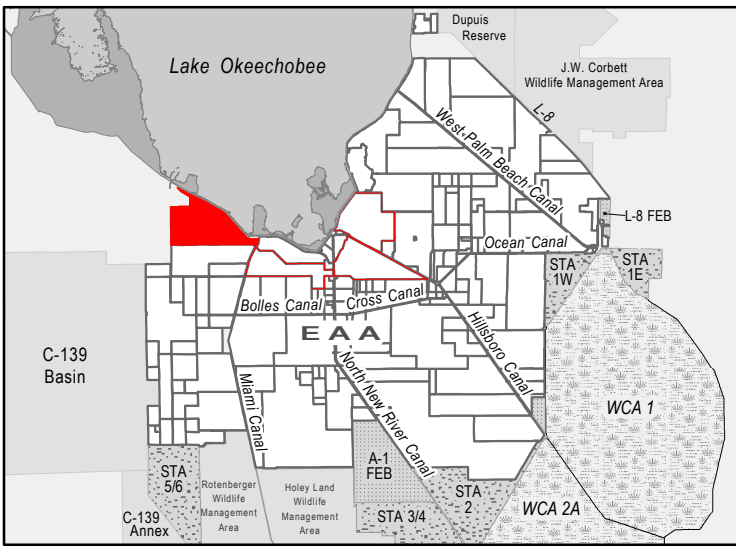
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SOUTH FLORIDA CONSERVANCY DISTRICT

Permit Number: 50-00010-E
Application Number: 170324-28
Basin ID: 50-010-06

- Off-site Discharge Structure
- Internal Pump
- Canal

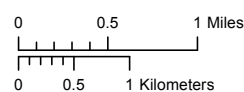


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Map Date: March 2018



EXHIBIT 3D



BASE CREDITS:
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• Structures and Permit data current as of Water Year 2017

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User Name: cmlessau
Remedy Ticket: 50205

Map Prod.: 3/20/2018 10:00:56 AM \\ad.sfwmd.gov\dfsroot\data\err_gis\projects\EV\G\ecpleaa\permitRenewals\2017\50-00010-E\mxd\BasinID50-010-06_Exh3D_NoImg_cm1.mxd

Pump Start, Stop and Harvest Plant Elevations
Everglades Works of the District
Permit Number 50-00010-E, Application Number 170324-28

Structure	Basin ID	Pump Start (ft NGVD)	Pump Stop (ft NGVD)	Harvest/Plant Stop (ft NGVD)
HC15.5TS	50-010-02	8.0	6.5	5.5
HC19.6TS	50-010-02	8.0	6.5	5.5
NR26.4TE	50-010-02	8.5	6.5	5.5
MC24.1TE	50-010-03	8.0	6.5	5.5
NR25.2TW	50-010-03	8.0	6.5	5.5
HC19.7TN	50-010-04	8.0	6.5	5.5
HC22.5TN	50-010-04	8.0	6.5	5.5
MC25.7TW*	50-010-06	8.0	6.5	5.5

*Discharge to Miami Canal when Miami Canal elevation <12.5 ft NGVD. Start and stop elevations are not included for structures EPD-07 and S-236 because they are secondary structures which are rarely operated.

EXHIBIT 5 - DISTRIBUTION LIST

Internal Distribution:

Pamela S. Wade, P.E. - 9410
Carmela Bedregal, P.E. – 9410
Brandon Moody - 9410
Jeffrey Iudicello, Ph.D., P.E. - 9410

Other Interested Parties:

Dr. Timothy Lang - IFAS

External Distribution:

Applicant:

South Florida Conservancy District

Agent:

Irene Kennedy Quincey, Pavese Law Firm

Firm/Engineer of EAA Application:

Lockhart Ag Technologies

Owner(s):

Jorge, Juan A, Aida, & Rufino J Abreu
Henry J & Audrey N Andreis
Andy McGahee LLC
BGI Group, LLC.
BW Belle Glade L.L.C.
Ball Family Partnership
James A.& Katherine W. Ball
Rey Bermudez
George W. & Betty L. Boyer
Bunewall, Inc.; Enerwall, Inc.; Haiko, Inc.;
Tenerling, Inc.
Burke Farms, Inc.
Burke Properties LLLP
Leon D & Mary F Burke
CIRAS, L.L.C.
Camaro Farms, Inc.
John Chamblee
J.P. Collins
Gloria D. Crews & Donna Challancin
Crooked Hook LLC
D & B Properties of Miami, LLC
Martha F Davidson
Brad & Wendy Davis
Frances B. Ethridge
Jay & Martha Freeman TR
Jay & Kay C. Freeman
Hamilton Acres LLC
Homer J & Frances R Hand
Harris Farms Ltd.
Heber J & Daivys Ramos
Hooker-Jones Co.
James T JR & Yvonne T Houston TR
Hundley Farms Inc
Jane B Evans Farms Ltd
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Peter A & Darlene A Kirchman
Jim Lynn L.L.C.
J.D. III & Catherine W. Lee

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Norman Nicks
Norman Nicks Paul Rev Liv TR
Norman Nicks TR
Okeelanta Corporation
Pioneer Growers Coop.
William S. Poole
Morris E & Betty Ridgill
Enrique Rionda
Robert M & Liska M Hooker
Robert M. Hooker Tr.
SBG Farms, Inc.
John O. & Eleanor W. Schlechter
R D Jr & Barbara Scruggs
Section 2 SR835 LLC
Solid Waste Authority of Palm Beach County
South Florida Conservancy District
John Spooner
Star Ranch Enterprises Inc
Stein Farms LLC
Lois Stein TR
Lydia G Strickland
Sugar Cane Growers Co-op
Sugar Cane Growers Co-op Lessor Quaker
Oats Chem NC Lessee
Sugar Supply Inc
TIITF - Glades Correctional Institute
TIITF Board of Trustees Internal
Improvement Trust Fund
TIITF & Department of Corrections & Gci
TIITF - Dept. of Env. Protection
TIITF University of Florida, I.F.A.S.
TIITF c/o Florida Department of
Environmental Protection
Teepee Farms, Inc.
Jane M Thompson TR
Trust Busters Partnership
United States Sugar Corporation
W.E. Schlechter & Sons
Warren Acres, LLC
Wedgworth Farms, Inc.
Weekley Bros Leasing Ltd
West Side Farms, Inc. & New Hope Sugar
Co. William Kennedy

Lessee(s):

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City of Belle Glade
City of Clewiston
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HWH Farms, Inc.
Hooker-Jones Co.
Hooker-Jones Company
Hundley Farms Inc
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Markham Sugar Farms Inc.
Tim Mckee
Orsenigo Farms, Inc.
William S. Poole
Robert C. Hatton, Inc.
Six Mile Bend Corporation
John Spooner
Stewart Stein
United States Sugar Corporation
W.E. McKinstry, Inc.
WM Farms