



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Regulation Division

August 15, 2022

Rahul John, P.G.
Water Science Associates Inc.
13620 Metropolis Avenue, Suite 110
Fort Myers, FL 33912

Subject: Project Name: CCWSD IQ Supplemental Wellfields
Application No.: 220715-3
Collier County

Dear Mr. John:

On August 3, 2022, a water use permit letter modification for the CCWSD IQ Supplemental Wellfields was issued for the above referenced application. The wellfield names were inadvertently not included in Special Permit Condition 5. These inaccuracies have been addressed and corrections made. Enclosed please find a corrected copy of the permit with the changes. We apologize for any inconvenience this may have caused.

Should you have any questions, please do not hesitate to contact Nexhip Maska, P.G. at (561) 682-6280 or nmaska@sfwmd.gov.

Sincerely,

A handwritten signature in blue ink that reads "Brad D. Cook".

Brad D. Cook, P.G.
Section Leader
South Florida Water Management District

cc: Rob Kaine, Public Utilities Department



**WATER USE
LETTER MODIFICATION**

APPLICATION NUMBER: 220715-3 **PERMIT NUMBER:** 11-00052-W
DATE ISSUED: August 3, 2022 **EXPIRATION DATE:** September 30, 2034
PERMITTEE: COLLIER COUNTY BOARD OF COUNTY COMMISSIONERS
COLLIER COUNTY PUBLIC UTILITIES DEPARTMENT
3339 TAMIAMI TRAIL EAST
NAPLES, FL 34112
PROJECT NAME: CCWSD IQ SUPPLEMENTAL WELLFIELDS
PROJECT LOCATION: COLLIER COUNTY, S24-25/T48S/R26E
S6, 20/T50S/R26E
S19, 24 - 26, 30/T48S/R26E

District staff has reviewed the information submitted in support of the referenced application for permit modification(s) and determined that the proposed activities are in compliance with the previous permit and the appropriate provisions of Rule 40E-2.331 (4)(a), Florida Administrative Code. The permit modification(s) include the following:

To increase operational efficiency, the Permittee requests to add one Lower Tamiami aquifer production well to the Foxfire wellfield at the location shown in Exhibit 1. The well construction details are shown in Exhibit 2. The modeling provided shows no impacts due to this modification (Exhibit 3) and therefore the permit is in compliance with Section 40E-2.331(4)(a), Florida Administrative Code. Prior to installation of the proposed wells, it will be necessary to obtain well construction permits from Collier County. No other changes to the permit are proposed.

This permit remains subject to the 33 Limiting Conditions and all other terms of the permit authorization as previously issued.

A handwritten signature in blue ink that reads "Brad D. Cook".

Brad D. Cook, P.G.
Section Leader
Water Use Bureau

SPECIAL PERMIT CONDITIONS

1. This permit is issued to:

Collier County Board of County Commissioners
Collier County Public Utilities Department
3339 Tamiami Trail East
Naples, FL 34112

2. This permit shall expire on September 3, 2034.

3. Use classification is:

Public Water Supply

4. Source classification is:

Groundwater from:
Lower Tamiami Aquifer
Water Table Aquifer

5. Allocation:

Total annual allocation is 3,369.45 million gallons (MG) (9.23 MGD)
Total maximum monthly allocation is 277.00 MG.

Allocation from a specific source (aquifer, waterbody, facility, or facility group):
Maximum annual allocation from Lower Tamiami Aquifer shall not exceed 365.00
MG (1.00 MGD) for Foxfire Wellfield.

Maximum annual allocation from Water Table Aquifer shall not exceed 1,278.00 MG
(3.50 MGD) for Mule Pen Wellfield.

Maximum annual allocation from Lower Tamiami Aquifer shall not exceed 1,361.45
MG (3.70 MGD) for Pelican Bay Wellfield.

Maximum annual allocation from Lower Tamiami Aquifer shall not exceed 365.00
MG (1.00 MGD) for SCWRF Wellfield.

Maximum monthly allocation from Lower Tamiami Aquifer shall not exceed 30.00
MG for SCWRF Wellfield.

Maximum monthly allocation from Water Table Aquifer shall not exceed 105.00 MG for Mule Pen Wellfield.

Maximum monthly allocation from Lower Tamiami Aquifer shall not exceed 112.00 MG for Pelican Bay Wellfield.

Maximum monthly allocation from Lower Tamiami Aquifer shall not exceed 30.00 MG for Foxfire Wellfield.

These allocations represent the amount of water required to meet the water demands as a result of a rainfall deficit during a drought with the probability of recurring one year in ten. The Permittee shall not exceed these allocations in hydrologic conditions less than a 1-in-10 year drought event. Compliance with the annual allocation is based on the quantity withdrawn over a 12-month time period. Compliance with the maximum monthly allocation is based on the greatest quantity withdrawn in any single month. The annual allocation expressed in GPD or MGD is for informational purposes only.

If the rainfall deficit is more severe than that expected to recur once every ten years, the withdrawals shall not exceed that amount necessary to continue to meet the reasonable-beneficial demands under such conditions, provided no harm to the water resources occur and:

1. All other conditions of the permit are met; and
2. The withdrawal is otherwise consistent with applicable declared Water Shortage Orders in effect pursuant to Chapter 40E-21, F.A.C.

The following total allocations are stipulated between September 20, 2024 through September 30, 2034:

Annual allocation shall not exceed 1881 MG.
Maximum Monthly allocation shall not exceed 217 MG.

Pursuant to the AH for Water Use Permit Applications, Section 1.5.1 the use of the Lower Tamiami aquifer at PELICAN BAY is stipulated between September 20, 2019 and September 30, 2024 for the following amount:

Annual allocation shall not exceed 1361.45 MG.
Maximum Monthly allocation shall not exceed 112 MG.

Pursuant to the AH for Water Use Permit Applications, Section 1.5.1 the use of the Lower Tamiami Aquifer at PELICAN BAY is stipulated between September 1, 2024 and September 30, 2034 for the following amount:

Annual allocation shall not exceed 603 MG.
Maximum Monthly allocation shall not exceed 112 MG.

Pursuant to the AH for Water Use Permit Applications, Section 1.5.1 the use of the Water Table Aquifer at MULE PEN is stipulated between September 20, 2019 and September 30, 2034 for the following amount:

Annual allocation shall not exceed 1278 MG.
Maximum Monthly allocation shall not exceed 105 MG.

Pursuant to the AH for Water Use Permit Applications, Section 1.5.1 the use of the Lower Tamiami aquifer at FOXFIRE and SCWRF is stipulated between September 20, 2019 and September 30, 2024 for the following amount for each of these wellfields:

Annual allocation shall not exceed 365 MG.
Maximum Monthly allocation shall not exceed 30 MG.

6. Withdrawal facilities:

Groundwater - Proposed:

- 1 - 12" X 100' X 500 GPM Well Cased To 60 Feet
- 4 - 12" X 100' X 700 GPM Wells Cased To 80 Feet

Groundwater - Existing:

- 6 - 10" X 35' X 500 GPM Wells Cased To 20 Feet
- 7 - 10" X 100' X 300 GPM Wells Cased To 50 Feet

7. The Permittee shall submit all data as required by the implementation schedule for each of the permit conditions to: SFWMD at www.sfwmd.gov/ePermitting, or Regulatory Support, 3301 Gun Club Road, West Palm Beach, FL 33406.
8. The Permittee must submit the appropriate application form incorporated by reference in Rule 40E-2.101, F.A.C., to the District prior to the permit expiration date in order to continue the use of water.
9. The Permittee shall secure a well construction permit prior to construction, repair, or abandonment of all wells, as described in Chapter 40E-3, F.A.C.

10. Every five years from the date of last calibration, the Permittee shall submit re-calibration data for each withdrawal facility.
11. Prior to any withdrawals at the project, the Permittee shall provide the results of the calibration testing of the identified water accounting method(s) and equip all existing and proposed withdrawal facilities with approved water use accounting method(s) pursuant to Subsection 4.1.1 of the Applicant's Handbook for Water Use Permit Applications within the South Florida Water Management District.
12. Monthly withdrawals for each withdrawal facility shall be reported to the District quarterly. The water accounting method and means of calibration shall be stated on each report.
13. The Permittee shall notify the District within 30 days of any change in service area boundary that results in a change in demand that affects its permitted allocation. The allocation shall be modified to effectuate such change.
14. The Permittee shall maintain an accurate flow meter at the intake of the water treatment plant for the purpose of measuring daily inflow of water.
15. If at any time there is an indication that the well casing, valves, or controls leak or have become inoperative, repairs or replacement shall be made to restore the system to an operating condition. Failure to make such repairs shall be cause for filling and abandoning the well, in accordance with procedures outlined in Chapter 40E-3, F.A.C.
16. The Standard Water Conservation Plan described in Subsection 2.3.2.F.1.a of the Applicant's Handbook for Water Use Permit Applications within the South Florida Water Management District and the Staff Report, must be implemented in accordance with the approved implementation schedule described in the following exhibit:

An updated Standard Water Conservation Plan for the Project is on file.

17. The Permittee shall notify the District within 30 days of entering into an inter-local agreement, contract, or other similar instrument to deliver or receive water outside of its service area or to serve a demand not identified to determine the allocation described in this permit. A copy of such agreement shall be provided to the District.

The monthly volume of water delivered and/or received via each inter-local agreement, contract, or other similar instrument shall be submitted to the District at the same reporting frequency as the withdrawals for each withdrawal facility required in this permit.

18. The Permittee shall implement the wellfield operating plan submitted in support of the permit application, as described in the District staff report.
19. The Permittee shall continue to submit monitoring data in accordance with the Wetland/Environmental Monitoring Program for this project.

The program also serves as a saline intrusion monitoring plan for the Pelican Bay, Foxfire and SCWRF wellfields. See Exhibit 11 (Application 190412-8) for more information. Within 90 days of permit issuance, the Permittee is required to begin collecting baseline water level and chloride concentration data from MW-1 within the Lely Community Development before pumping the new wells at the SCWRF wellfield and from the proposed monitor well at the Foxfire wellfield before pumping begins. By March 31st of each year, the permittee shall submit annual reports summarizing the monitoring for the previous calendar year. The report must include hydrographs depicting rainfall, pumpage, chloride concentrations and monitor well water levels.

20. Entities that control, either directly or indirectly, a wastewater treatment plant and/or reuse distribution system, and which have determined pursuant to Section 403.064, F.S., that use of reclaimed water is feasible, must provide the District with annual updates of the following information: (A) the status of distribution system construction, including location and capacity of lines; (B) a summary of uncommitted supplies for the next year; (C) copies of any new or amended local mandatory reclaimed water reuse zone ordinances; and (D) a list of end-users who have contracted to receive reclaimed water and the agreed upon quantity of water to be delivered.
21. The Permittee shall maintain an accurate flow meter at the point of discharge from the treatment plant for the purpose of measuring the daily flow of water.
22. The Permittee shall submit to the District an updated "Summary of Groundwater (Well) Facilities" table ("Section IV - Sources of Water", Water Use Permit Application Form 1379) within six months of permit issuance, identifying which wells have been properly plugged and abandoned according to subsection 40E-3.531

(3), F.A.C., and which wells are to be maintained as water level monitoring wells.

STANDARD PERMIT CONDITIONS

1. All water uses authorized by this permit shall be implemented as conditioned by this permit, including any documents incorporated by reference in a permit condition. The District may revoke this permit, in whole or in part, or take enforcement action, pursuant to Section 373.136 or 373.243, F.S., unless a permit modification has been obtained to address the noncompliance.

The Permittee shall immediately notify the District in writing of any previously submitted material information that is later discovered to be inaccurate.

2. The Permittee is advised that this permit does not relieve any person from the requirement to obtain all necessary federal, state, local and special district authorizations.
3. The Permittee shall notify the District in writing within 30 days of any sale, transfer, or conveyance of ownership or any other loss of permitted legal control of the Project and/or related facilities from which the permitted consumptive use is made. Where Permittee's control of the land subject to the permit was demonstrated through a lease, the Permittee must either submit a new or modified lease showing that it continues to have legal control or documentation showing a transfer in control of the permitted system/project to the new landowner or new lessee. All transfers of ownership are subject to the requirements of Rule 40E-1.6107, F.A.C. Alternatively, the Permittee may surrender the consumptive use permit to the District, thereby relinquishing the right to conduct any activities under the permit.
4. Nothing in this permit should be construed to limit the authority of the District to declare a water shortage and issue orders pursuant to Chapter 373, F.S. In the event of a declared water shortage, the Permittee must adhere to the water shortage restrictions, as specified by the District. The Permittee is advised that during a water shortage, reports shall be submitted as required by District rule or order. The Permittee is advised that during a water shortage, pumpage, water levels, and water quality data shall be collected and submitted as required by District orders issued pursuant to Chapter 40E-21, F.A.C.
5. 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 applicable local government, state, or federal law, rule, or ordinance.
6. With advance notice to the Permittee, District staff with proper identification shall have permission to enter, inspect, observe, collect samples, and take measurements of permitted facilities to determine compliance with the permit conditions and permitted plans and specifications. The Permittee shall either accompany District staff onto the

property or make provision for access onto the property.

7. A. The Permittee may seek modification of any term of an unexpired permit. The Permittee is advised that Section 373.239, F.S., and Rule 40E-2.331, F.A.C., are applicable to permit modifications.

B. The Permittee shall notify the District in writing 30 days prior to any changes to the project that could potentially alter the reasonable demand reflected in the permitted allocation. Such changes include, but are not limited to, change in irrigated acreage, crop type, irrigation system, large users agreements, or water treatment method. Permittee will be required to apply for a modification of the permit for any changes in permitted allocation.
8. If any condition of the permit is violated, the permit shall be subject to review and modification, enforcement action, or revocation pursuant to Chapter 373, F.S.
9. The Permittee shall mitigate interference with existing legal uses that was caused in whole or in part by the Permittee's withdrawals, consistent with the approved mitigation plan. As necessary to offset the interference, mitigation will include pumpage reduction, replacement of the impacted individual's equipment, relocation of wells, change in withdrawal source, or other means.

Interference to an existing legal use is defined as an impact that occurs under hydrologic conditions equal to or less severe than a 1-in-10 year drought event that results in the:

- A. Inability to withdraw water consistent with provisions of the permit, such as when remedial structural or operational actions not materially authorized by existing permits must be taken to address the interference; or
 - B. Change in the quality of water pursuant to primary State Drinking Water Standards to the extent that the water can no longer be used for its authorized purpose, or such change is imminent.
10. The Permittee shall mitigate harm to the natural resources caused by the Permittee's withdrawals, as determined through reference to the conditions for permit issuance. When harm occurs, or is imminent, the District will require the Permittee to modify withdrawal rates or mitigate the harm. Harm, as determined through reference to the conditions for permit issuance includes:
 - A. Reduction in ground or surface water levels that results in harmful lateral movement

of the fresh water/salt water interface,

B. Reduction in water levels that harm the hydroperiod of wetlands,

C. Significant reduction in water levels or hydroperiod in a naturally occurring water body such as a lake or pond,

D. Harmful movement of contaminants in violation of state water quality standards, or

E. Harm to the natural system including damage to habitat for rare or endangered species.

11. The Permittee shall mitigate harm to existing off-site land uses caused by the Permittee's withdrawals, as determined through reference to the conditions for permit issuance. When harm occurs, or is imminent, the District will require the Permittee to modify withdrawal rates or mitigate the harm. Harm as determined through reference to the conditions for permit issuance, includes:

A. Significant reduction in water levels on the property to the extent that the designed function of the water body and related surface water management improvements are damaged, not including aesthetic values. The designed function of a water body is identified in the original permit or other governmental authorization issued for the construction of the water body. In cases where a permit was not required, the designed function shall be determined based on the purpose for the original construction of the water body (e.g. fill for construction, mining, drainage canal, etc.)

B. Damage to agriculture, including damage resulting from reduction in soil moisture resulting from consumptive use; or,

C. Land collapse or subsidence caused by reduction in water levels associated with consumptive use.

NOTICE OF RIGHTS

As required by Chapter 120, Florida Statutes, the following provides notice of the opportunities which may be available for administrative hearing pursuant to Sections 120.569 and 120.57, Florida Statutes, or judicial review pursuant to Section 120.68, Florida Statutes, 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. Some of the legal proceedings detailed below may not be applicable or appropriate for your situation. 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 (District) action has the right to request an administrative hearing on that action pursuant to Sections 120.569 and 120.57, Florida Statutes. Persons seeking a hearing on a District decision which affects or may affect their substantial interests shall file a petition for hearing 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, Florida Statutes; or (2) within 14 days of service of an Administrative Order pursuant to Section 373.119(1), Florida Statutes. "Receipt of written notice of agency decision" means receipt of written notice through mail, electronic mail, posting, or publication that the District has taken or intends to take final agency action. Any person who receives written notice of a District 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 that materially differs from the noticed intended agency decision, persons who may be substantially affected shall, unless otherwise provided by law, have an additional point of entry pursuant to Rule 28-106.111, Florida Administrative Code.

Any person to whom an emergency order is directed pursuant to Section 373.119(2), Florida Statutes, 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 District may grant the request for good cause. Requests for extension of time must be filed with the District 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 whether the District 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. 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 the District's 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 District's security desk does not constitute filing. It will be necessary to request that the District's security officer contact the Office of the District Clerk. An employee of the District's Clerk's office will receive and process 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.

INITIATION OF AN ADMINISTRATIVE HEARING

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

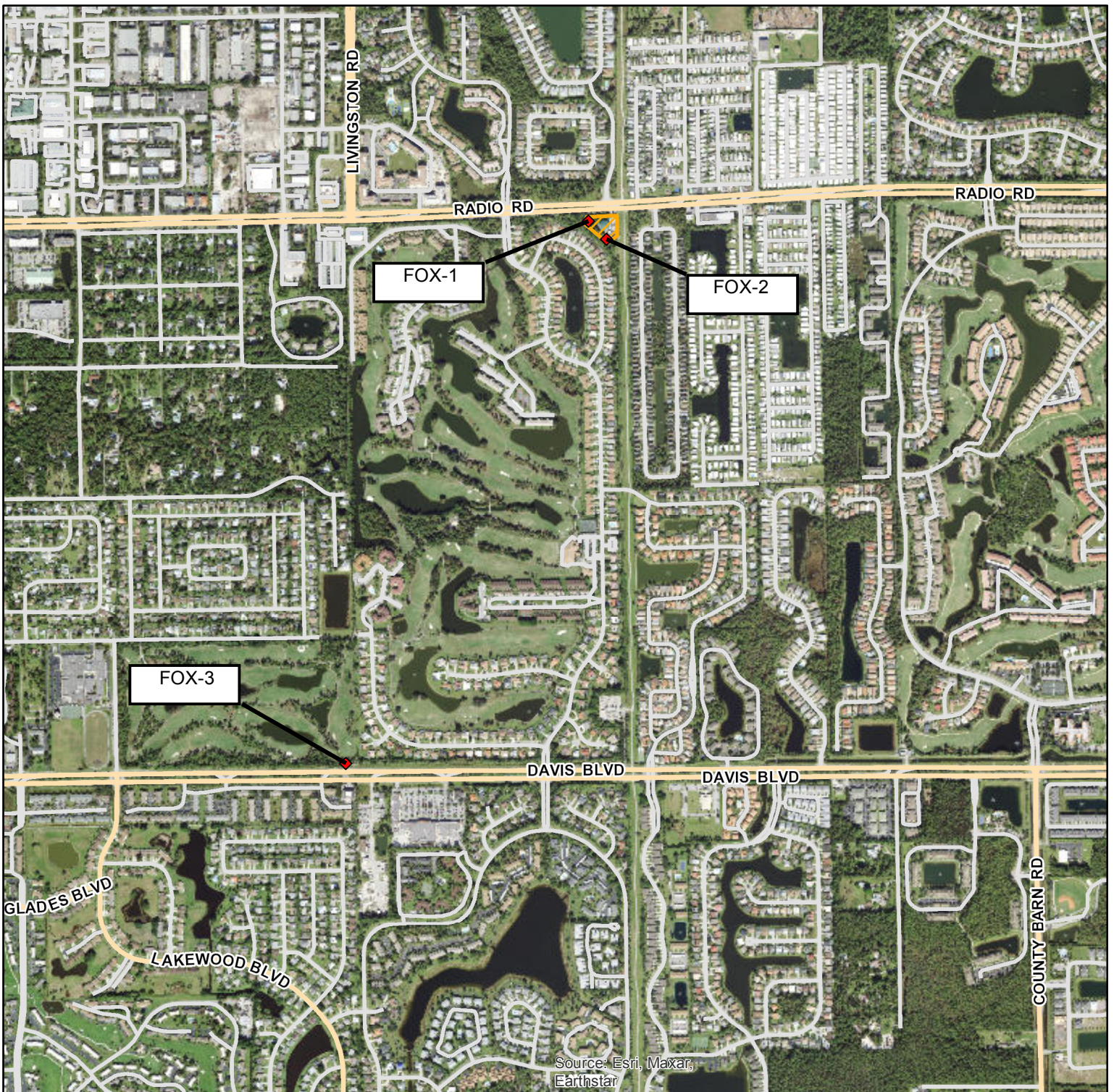
1. Identification of the action being contested, including the permit number, application number, District file number or any other District identification number, if known.
2. The name, address, any email address, any facsimile number, and telephone number of the petitioner, petitioner's attorney or qualified 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 District'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 District's proposed action.
7. A statement of the specific rules or statutes the petitioner contends require reversal or modification of the District'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 District to take with respect to the District's proposed action.

MEDIATION

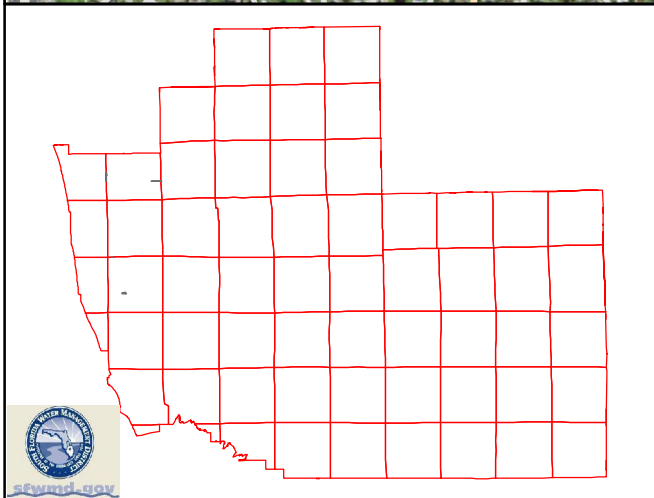
The procedures for pursuing mediation are set forth in Section 120.573, Florida Statutes, and Rules 28-106.111 and 28-106.401-.405, Florida Administrative Code. The District is not proposing mediation for this agency action under Section 120.573, Florida Statutes, at this time.

RIGHT TO SEEK JUDICIAL REVIEW

Pursuant to Section 120.68, Florida Statutes, and in accordance with Florida Rule of Appellate Procedure 9.110, a party who is adversely affected by final District action may seek judicial review of the District's final decision by filing a notice of appeal with the Office of the District Clerk 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 appropriate district court of appeals via the Florida Courts E-Filing Portal.



Source: Esri, Maxar, Earthstar



COLLIER COUNTY, FLORIDA

- ◆ Well
- Application



Map Date: 2022-07-25

Application No: 220715-3

Permit No: 11-00052-W

Sec 24-25 / Twp 48 / Rge 26

Project Name: CCWSD IQ SUPPLEMENTAL WELLFIELDS

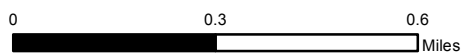
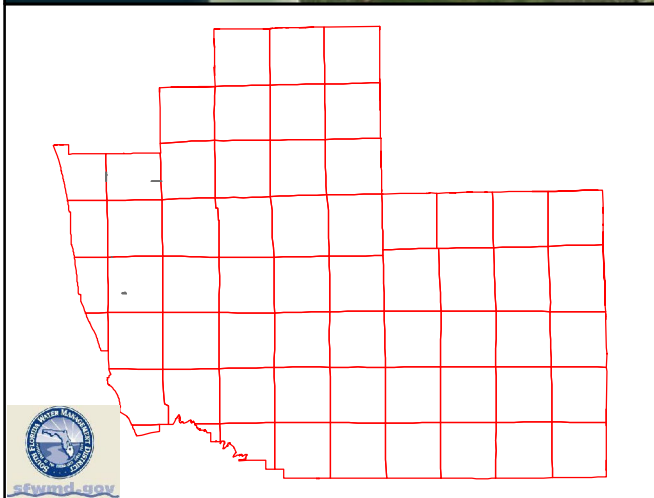
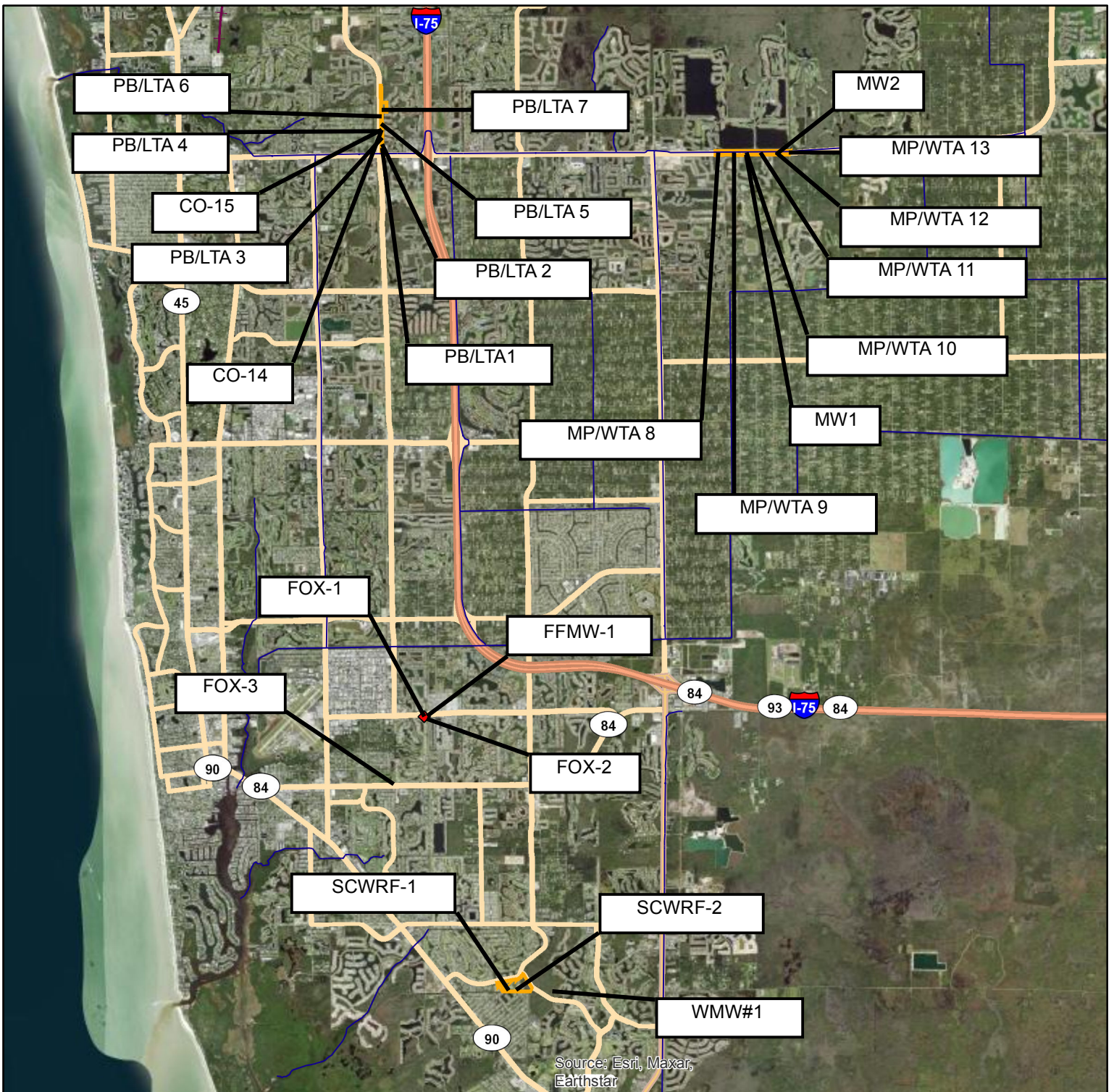


Exhibit No: 1A



COLLIER COUNTY, FLORIDA

◆ Well
 Application

N

 Map Date: 2022-07-27

Application No: 220715-3
 Permit No: 11-00052-W
 Sec 24-25 / Twp 48 / Rge 26
 Project Name: CCWSD IQ SUPPLEMENTAL WELLFIELDS

0 2.5 5

 Miles

Exhibit No: 1B



TABLE - A
Description Of Wells.

Application Number: 220715-3

Well ID	101540	30055	30057	101542	101543	30063
Name	PB/LTA1	PB/LTA 2	PB/LTA 3	PB/LTA 4	PB/LTA 5	PB/LTA 6
Map Designator	PB/LTA1	PB/LTA 2	PB/LTA 3	PB/LTA 4	PB/LTA 5	PB/LTA 6
FLUWID Number						
Well Field						
Existing/Proposed	E	E	E	E	E	E
Well Diameter(Inches)	10	10	10	10	10	10
Total Depth(feet)	100	100	100	100	100	100
Cased Depth(feet)	50	50	50	50	50	50
Facility Elev. (ft. NGVD)						
Screened Interval						
From		0	0			0
To		0	0			0
Pumped Or Flowing	P	P	P	P	P	P
Pump Type	Submersible	Submersible	Submersible	Submersible	Submersible	Submersible
Pump Int. Elev. Feet (NGVD)						
Feet (BLS)	17	17	17	16	16	16
Pump Capacity(GPM)	300	300	300	300	300	300
Year Drilled						
Planar Location						
Source	GPS	GPS	GPS	GPS	GPS	GPS
Feet East	409230	409232	409206	409202	409171	409176
Feet North	706133	706411	706918	707411	707986	708541
Accounting Method	Flow Meter	Flow Meter	Flow Meter	Flow Meter	Flow Meter	Flow Meter
Use Status	Primary	Primary	Primary	Primary	Primary	Primary
Water Use Type	Irrigation Monitor	Irrigation Monitor	Irrigation Monitor	Irrigation Monitor	Irrigation Monitor	Irrigation Monitor
Aquifer	Lower Tamiami Aquifer	Lower Tamiami Aquifer	Lower Tamiami Aquifer	Lower Tamiami Aquifer	Lower Tamiami Aquifer	Lower Tamiami Aquifer

TABLE - A
Description Of Wells.

Application Number: 220715-3

Well ID	30065	30067	30069	30516	30518	30520
Name	PB/LTA 7	MP/WTA 8	MP/WTA 9	MP/WTA 10	MP/WTA 11	MP/WTA 12
Map Designator	PB/LTA 7	MP/WTA 8	MP/WTA 9	MP/WTA 10	MP/WTA 11	MP/WTA 12
FLUWID Number						
Well Field						
Existing/Proposed	E	E	E	E	E	E
Well Diameter(Inches)	10	10	10	10	10	10
Total Depth(feet)	100	35	35	35	35	35
Cased Depth(feet)	50	20	20	20	20	20
Facility Elev. (ft. NGVD)						
Screened Interval						
From	0	0	0	0	0	0
To	0	0	0	0	0	0
Pumped Or Flowing	P	P	P	P	P	P
Pump Type	Submersible	Submersible	Submersible	Submersible	Submersible	Submersible
Pump Int. Elev. Feet (NGVD)						
Feet (BLS)	15	18	18	18	18	18
Pump Capacity(GPM)	300	500	500	500	500	500
Year Drilled						
Planar Location						
Source	GPS	GPS	GPS	GPS	GPS	GPS
Feet East	409187	435332	436521	437510	438607	439803
Feet North	709042	705616	705606	705607	705604	705609
Accounting Method	Flow Meter	Flow Meter	Flow Meter	Flow Meter	Flow Meter	Flow Meter
Use Status	Primary	Primary	Primary	Primary	Primary	Primary
Water Use Type	Irrigation Monitor	Irrigation	Irrigation	Irrigation	Irrigation	Irrigation
Aquifer	Lower Tamiami Aquifer	Water Table Aquifer	Water Table Aquifer	Water Table Aquifer	Water Table Aquifer	Water Table Aquifer

TABLE - A
Description Of Wells.

Application Number: 220715-3

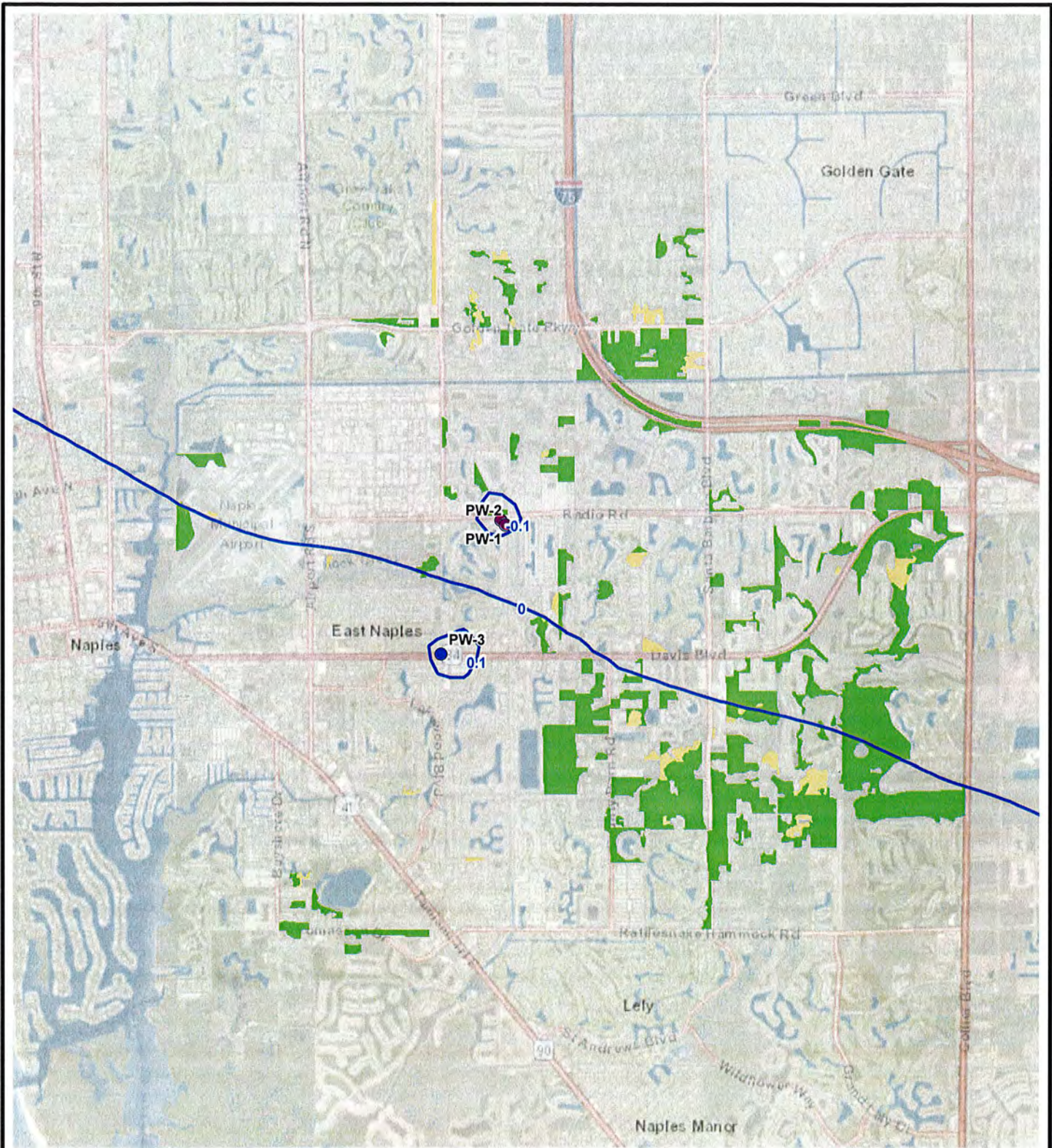
Well ID	30522	265289	265290	265286	265287	290755
Name	MP/WTA 13	SCWRF-1	SCWRF-2	FOX-1	FOX-2	FOX-3
Map Designator	MP/WTA 13	SCWRF-1	SCWRF-2	FOX-1	FOX-2	FOX-3
FLUWID Number						
Well Field						
Existing/Proposed	E	P	P	P	P	P
Well Diameter(Inches)	10	12	12	12	12	12
Total Depth(feet)	35	100	100	100	100	100
Cased Depth(feet)	20	80	80	80	80	60
Facility Elev. (ft. NGVD)						
Screened Interval						
From	0					
To	0					
Pumped Or Flowing	P	P	P	P	P	
Pump Type	Submersible	Submersible	Submersible	Submersible	Submersible	Submersible
Pump Int. Elev. Feet (NGVD)						
Feet (BLS)	18					40
Pump Capacity(GPM)	500	700	700	700	700	500
Year Drilled						
Planar Location						
Source	GPS					APPLICANT
Feet East	440798	418671	419251	412227	412402	409840
Feet North	705600	640933	640937	662154	661979	656925
Accounting Method	Flow Meter	Flow Meter	Flow Meter	Flow Meter	Flow Meter	Flow Meter
Use Status	Primary	Production	Secondary	Primary	Primary	Primary
Water Use Type	Irrigation	Irrigation Monitor	Irrigation Monitor	Irrigation Monitor	Irrigation Monitor	Public Water Supply
Aquifer	Water Table Aquifer	Lower Tamiami Aquifer	Lower Tamiami Aquifer	Lower Tamiami Aquifer	Lower Tamiami Aquifer	Lower Tamiami Aquifer

TABLE - A
Description Of Wells.

Application Number: 220715-3

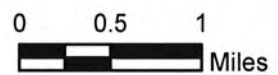
Well ID	267438	144235	144236	218344	218345	259160
Name	FFMW-1	CO-14	CO-15	MP/MW1	MP/MW2	WMW#1
Map Designator	FFMW-1	CO-14	CO-15	MW1	MW2	WMW#1
FLUWID Number						
Well Field						
Existing/Proposed	P	E	E	E	E	E
Well Diameter(Inches)	4	4	2	2	2	4
Total Depth(feet)	120	90	15	20	20	7
Cased Depth(feet)	100	53	10	10	10	1
Facility Elev. (ft. NGVD)						
Screened Interval						
From						
To						
Pumped Or Flowing	F			F	F	F
Pump Type	None	None	None	None	None	None
Pump Int. Elev. Feet (NGVD)						
Feet (BLS)						
Pump Capacity(GPM)	0	0	0	0	0	0
Year Drilled						
Planar Location						
Source		GPS	GPS	REVIEWER	REVIEWER	REVIEWER
Feet East	412472	409203	409200	437469	439817	422069
Feet North	662190	707503	707516	705442	705443	640828
Accounting Method	None	None	None	None	None	None
Use Status	Monitor	Monitor	Monitor	Monitor	Monitor	Monitor
Water Use Type	Monitor	Monitor	Monitor	Monitor	Monitor	Monitor
Aquifer	Lower Tamiami Aquifer	Lower Tamiami Aquifer	Water Table Aquifer	Water Table Aquifer	Water Table Aquifer	Water Table Aquifer

AnandamS C:\ProjectOneDrive - CDM Smith\Collier\Foxfire_WUP_Mod\GIS\MXD\Fig 11_SIM2A-SIM3A_WTA_DD.mxd 5/19/2022



Legend

- Drawdown (feet)
- New Foxfire Supplemental LTA Well
- Currently Permitted Foxfire Supplemental LTA Wells
- Category 3 Wetlands
- Category 2 Wetlands

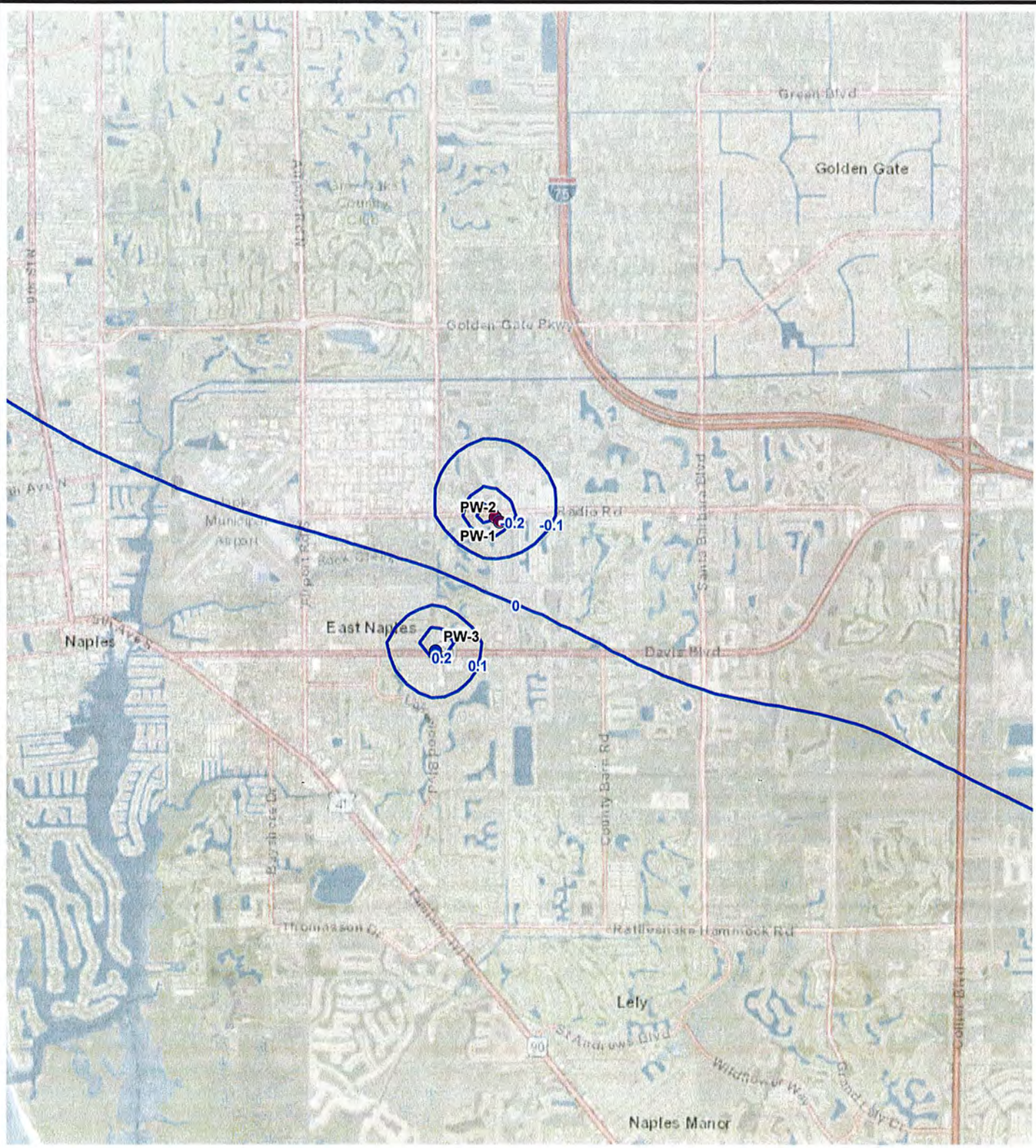


Note:
'-' sign indicate recovery of groundwater levels.



Figure 11
Incremental Drawdown and Recovery in the Water Table Aquifer
Due to the Addition of a Third Well at the Foxfire Wellfield
CCPUD Supplemental Withdrawal Water Use Permit Modification

C:\Project\OneDrive - CDM Smith\Collier\Foxfire_WUP_Mod\GIS\MXD\Fig 12 SIM2A-SIM3A.LTA.DD.mxd 5/19/2022



- Legend**
- Drawdown (feet)
 - New Foxfire Supplemental LTA Well
 - Currently Permitted Foxfire Supplemental LTA Wells

Note: '-' sign indicate recovery of groundwater levels.

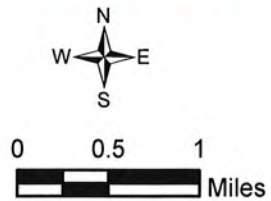


Figure 12
Incremental Drawdown and Recovery in the Lower Tamiami Aquifer
Due to the Addition of a Third Well at the Foxfire Wellfield
CCPUD Supplemental Withdrawal Water Use Permit Modification



Requirement by Permit Condition Report

App No: 220715-3

Permit No: 11-00052-W

Project Name: CCWSD IQ SUPPLEMENTAL WELLFIELDS

Permit Condition No:	Requirement Name	Col Freq	Sub Freq	Due Date
2	Permit Condition Code: <u>WUSTD001-1</u>			
Facility Name	Requirement Name	Col Freq	Sub Freq	Due Date
PERMIT	Application to renew allocation for Pelican Bay, Foxfire and SCWRF wellfields	One time Only	One time Only	31-AUG-2024
10	Permit Condition Code: <u>WUSTD021-2</u>			
Facility Name	Requirement Name	Col Freq	Sub Freq	Due Date
WELL - PB/LTA1	Calibration report for WELL PB/LTA1	Every Five Years	Every Five Years	30-SEP-2026
WELL - PB/LTA 2	Calibration report for WELL PB/LTA 2	Every Five Years	Every Five Years	31-JUL-2026
WELL - PB/LTA 3	Calibration report for WELL PB/LTA 3	Every Five Years	Every Five Years	31-JUL-2026
WELL - PB/LTA 4	Calibration report for WELL PB/LTA 4	Every Five Years	Every Five Years	31-JUL-2026
WELL - PB/LTA 5	Calibration report for WELL PB/LTA 5	Every Five Years	Every Five Years	31-JUL-2026
WELL - PB/LTA 6	Calibration report for WELL PB/LTA 6	Every Five Years	Every Five Years	31-JUL-2026
WELL - PB/LTA 7	Calibration report for WELL PB/LTA 7	Every Five Years	Every Five Years	31-JUL-2026
WELL - MP/WTA 8	Calibration report for WELL MP/WTA 8	Every Five Years	Every Five Years	31-JUL-2026
WELL - MP/WTA 9	Calibration report for WELL MP/WTA 9	Every Five Years	Every Five Years	31-JUL-2026
WELL - MP/WTA 10	Calibration report for WELL MP/WTA 10	Every Five Years	Every Five Years	31-JUL-2026
WELL - MP/WTA 11	Calibration report for WELL MP/WTA 11	Every Five Years	Every Five Years	31-JUL-2026
WELL - MP/WTA 12	Calibration report for WELL MP/WTA 12	Every Five Years	Every Five Years	31-JUL-2026
WELL - MP/WTA 13	Calibration report for WELL MP/WTA 13	Every Five Years	Every Five Years	31-JUL-2026
WELL - FOX-1	Calibration report for WELL FOX-1	Every Five Years	Every Five Years	30-APR-2023
WELL - FOX-2	Calibration report for WELL FOX-2	Every Five Years	Every Five Years	30-APR-2023
WELL - FOX-3	Calibration report for WELL FOX-3	Every Five Years	Every Five Years	30-APR-2023
WELL - SCWRF-1	Calibration Report for WELL SCWRF-1	Every Five Years	Every Five Years	30-APR-2023
WELL - SCWRF-2	Calibration report for WELL SCWRF-2	Every Five Years	Every Five Years	30-APR-2023

Requirement by Permit Condition Report

Permit Condition No:	12	Permit Condition Code:	<u>WUSTD022-2</u>		
Facility Name	Requirement Name	Col Freq	Sub Freq	Due Date	
WELL - PB/LTA1	Monthly withdrawal for WELL PB/LTA1	Monthly	Quarterly	31-OCT-2022	
WELL - PB/LTA 2	Monthly withdrawal for WELL PB/LTA 2	Monthly	Quarterly	31-OCT-2022	
WELL - PB/LTA 3	Monthly withdrawal for WELL PB/LTA 3	Monthly	Quarterly	31-OCT-2022	
WELL - PB/LTA 4	Monthly withdrawal for WELL PB/LTA 4	Monthly	Quarterly	31-OCT-2022	
WELL - PB/LTA 5	Monthly withdrawal for WELL PB/LTA 5	Monthly	Quarterly	31-OCT-2022	
WELL - PB/LTA 6	Monthly withdrawal for WELL PB/LTA 6	Monthly	Quarterly	31-OCT-2022	
WELL - PB/LTA 7	Monthly withdrawal for WELL PB/LTA 7	Monthly	Quarterly	31-OCT-2022	
WELL - MP/WTA 8	Monthly withdrawal for WELL MP/WTA 8	Monthly	Quarterly	31-OCT-2022	
WELL - MP/WTA 9	Monthly withdrawal for WELL MP/WTA 9	Monthly	Quarterly	31-OCT-2022	
WELL - MP/WTA 10	Monthly withdrawal for WELL MP/WTA 10	Monthly	Quarterly	31-OCT-2022	
WELL - MP/WTA 11	Monthly withdrawal for WELL MP/WTA 11	Monthly	Quarterly	31-OCT-2022	
WELL - MP/WTA 12	Monthly withdrawal for WELL MP/WTA 12	Monthly	Quarterly	31-OCT-2022	
WELL - MP/WTA 13	Monthly withdrawal for WELL MP/WTA 13	Monthly	Quarterly	31-OCT-2022	
WELL - FOX-1	Monthly withdrawal for WELL FOX-1	Monthly	Quarterly	31-OCT-2022	
WELL - FOX-2	Monthly withdrawal for WELL FOX-2	Monthly	Quarterly	31-OCT-2022	
WELL - FOX-3	Monthly withdrawal for WELL FOX-3	Monthly	Quarterly	31-OCT-2022	
WELL - SCWRF-1	Monthly withdrawal for WELL SCWRF-1	Monthly	Quarterly	31-OCT-2022	
WELL - SCWRF-2	Monthly withdrawal for WELL SCWRF-2	Monthly	Quarterly	31-OCT-2022	
Permit Condition No:	17	Permit Condition Code:	<u>WUPWS009-1</u>		
Facility Name	Requirement Name	Col Freq	Sub Freq	Due Date	
PERMIT	Bulk water delivered to PERMIT	Monthly	Quarterly	31-OCT-2022	
Permit Condition No:	19	Permit Condition Code:	<u>WUWET001-4</u>		
Facility Name	Requirement Name	Col Freq	Sub Freq	Due Date	
PERMIT	Annual Wetland Monitoring Report for PELICAN BAY/MULE PEN WELLFIELDS	Yearly	Yearly	31-MAR-2023	
WELL - CO-14	Hydrograph for well CO-14	Quarterly	Quarterly	31-OCT-2022	
WELL - CO-15	Hydrograph for well CO-15	Quarterly	Quarterly	31-OCT-2022	
WELL - MP/MW1	Hydrograph for well Mule Pen MW-1	Quarterly	Quarterly	31-OCT-2022	

Requirement by Permit Condition Report

Facility Name	Requirement Name	Col Freq	Sub Freq	Due Date
WELL - MP/MW2	Hydrograph for well Mule Pen MW-2	Quarterly	Quarterly	31-OCT-2022
WELL - FFMW-1	Groundwater level for well FFMW-1	Monthly	Quarterly	31-OCT-2022
WELL - SCWRF-1	Groundwater level for well SCWRF-1	Monthly	Quarterly	31-OCT-2022
WELL - SCWRF-2	Groundwater level for well SCWRF-2	Monthly	Quarterly	31-OCT-2022
WELL - WMW#1	Annual Hydrograph for well WMW#1 (Lely WUP 11-00044-W)	Yearly	Yearly	31-OCT-2022
WELL - CO-14	Chloride for well CO-14	Monthly	Quarterly	31-OCT-2022
WELL - CO-15	Chloride for well CO-15	Monthly	Quarterly	31-OCT-2022
WELL - FOX-1	Chloride for well FOX-1	Monthly	Quarterly	31-OCT-2022
WELL - FOX-2	Chloride for well FOX-2	Monthly	Quarterly	31-OCT-2022
WELL - FOX-3	Chloride for well FOX-3	Monthly	Quarterly	31-OCT-2022
WELL - FFMW-1	Chloride for well FFMW-1	Monthly	Quarterly	31-OCT-2022
WELL - SCWRF-1	Chloride for well SCWRF-1	Monthly	Quarterly	31-OCT-2022
WELL - SCWRF-2	Chloride for well SCWRF-2	Monthly	Quarterly	31-OCT-2022
Permit Condition No: 20		Permit Condition Code:	<u>WURWF007-2</u>	
Facility Name	Requirement Name	Col Freq	Sub Freq	Due Date
PERMIT	Annual Reclaimed Water Use Report	Quarterly	Yearly	30-APR-2023
Permit Condition No: 22		Permit Condition Code:	<u>WUWC005-1</u>	
Facility Name	Requirement Name	Col Freq	Sub Freq	Due Date
WELL - FOX-1	Table "A" for Well FOX-1	One time Only	One time Only	01-APR-2023
WELL - FOX-2	Table "A" for Well FOX-2	One time Only	One time Only	01-APR-2023
WELL - FOX-3	Table "A" for Well FOX-3	One time Only	One time Only	01-APR-2023
WELL - SCWRF-1	Table "A" for Well SCWRF-1	One time Only	One time Only	01-APR-2023
WELL - SCWRF-2	Table "A" for Well SCWRF-2	One time Only	One time Only	01-APR-2023
WELL - FFMW-1	Table "A" for Well FFMW-1	One time Only	One time Only	01-APR-2023

STAFF REPORT DISTRIBUTION LIST

CCWSD IQ SUPPLEMENTAL WELLFIELDS

Application No: 220715-3

Permit No: 11-00052-W

INTERNAL DISTRIBUTION

EXTERNAL DISTRIBUTION

- X Permittee - Collier County Board of County Commissioners
- X Agent - Water Science Associates
- X Primary Compliance Contact - Rob Kaine

Exhibit No: 5