ATTACHMENT J

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT WATER SUPPLY PLAN & SPECIFIC CONDITIONS

Crystal River Energy Complex – Units 1, 2, 3, 4 & 5 (CREC) & Citrus Combined Cycle Facility (Citrus CC) – Units 1 and 2

15760 West Powerline
Street Crystal River, FL
34428 Citrus County

CREC - Latitude: 28° 57' 27" N Longitude: 82° 42' 36" W
Citrus CC - Latitude: 28° 58' 6" N Longitude: 82° 40' 16" W

These SWFWMD requirements were developed by the Licensee in conjunction with the SWFWMD's Water Use Permit Bureau to incorporate water use requirements into the Licensee's Conditions of Certification. This attachment incorporates requirements related to Crystal River Energy Complex (CREC) Units 1, 2, 3, 4 and 5 withdrawals, and the new Citrus Combined Cycle (CCC) Units 1 and 2 withdrawals. The SWFWMD is responsible for reviewing and approving all revisions to this document in accordance with its Conditions of Certification.

The following Specific Conditions shall apply facility-wide. Compliance with these Specific Conditions shall be the responsibility of the Licensee.

The Licensee is authorized to withdraw up to 4.974 million gallons per day (mgd) (annual average) and 5.3065 mgd (peak demand) of groundwater for construction, operation, maintenance, decommissioning, and/or demolition of CREC Units 1, 2, 3, 4, and 5, and CCC Units 1 and 2, unless reduced by the SWFWMD based on the annual Water Use Summary Report submitted by the Licensee for SWFWMD review and approval, pursuant to Condition VIII.A.2 (See Table 1 below).

A. Withdrawal Quantities and Facilities

Table 1

				Water Allocation	
District ID / Licensee ID	**Diameter (In.)**	**Total Depth (ft. bls)**	**Cased Depth (ft. bls)**	**Annual Average Gallons per Day ***	**Peak Month**
1 / PW-1	10	200	35	430,900	430,900
2 / PW-2	10	200	47	430,900	430,900
3 / PW-3	10	200	60	430,900	430,900

4 / PW-4	10	200	41	430,900	430,900
5 / PW-5	10	200	35	430,900	430,900
6 / PW-6	10	200	50	430,900	430,900
7 / PW-7	10	200	50	430,900	430,900
14 / PW-8	12	220	84.5	430,900	430,900
15 / PW-9a	12	200	58.5	430,900	430,900
16 / PW-10a	12	200	58.5	430,900	430,900
24 / PW-11	12	95	34	380,000	570,000
25 / PW-12	12	90	52	285,000	427,500
			Total =	**4,974,000***	**5,306,500****

* Measured on a rolling annual average daily flow (RAADF) basis.

** Based on a 1.500 MGD peak month value allowed for Licensee ID Nos. PW-11 and PW-12.

B. Submit Reports/Data

All reports and data required by condition(s) shall be submitted to the District according to the due date(s) contained in the specific condition. If the condition specifies that a District-supplied form is to be used, the Licensee should use that form in order for its submission to be acknowledged in a timely manner. The Licensee may use the District Permit Information Center (www.swfwmd.state.fl.us/permits/epermitting/) to submit data, plans or reports online. There are instructions at the District website on how to register to set up an account to do so. If the report or data are received on or before the tenth day of the month following data collection, it shall be deemed to be a timely submittal.

All mailed reports and data are to be sent to:

Southwest Florida Water Management
District
Tampa Regulation Department, Water Use Permit
Bureau 7601 U.S. Hwy. 301 North
Tampa, Florida 33637-6759

Submission of plans and reports: Unless submitted online or otherwise indicated in the COC, the original and two copies of each plan and report, such as conservation plans, environmental analyses, aquifer test results, per capita annual reports, etc. are required.

Submission of data: Unless otherwise indicated in the COC, an original (no copies) is required for data submittals such as crop report forms, meter readings and/or pumpage, rainfall, water level evapotranspiration, or water quality data. (499)

C. Distribution Flexibility

The annual average daily, peak month, and maximum daily, if applicable, quantities shown in the withdrawal point quantity table (Table 1) are estimates based on historic and/or projected distribution of pumpage and are for water use inventory and impact analysis purposes only. The quantities listed for these individual sources are not intended to dictate the distribution of pumpage from the withdrawal sources. The Licensee may make adjustments in pumpage distribution as necessary up to **125 percent** on a rolling annual average daily flow basis, so long as adverse environmental impacts do not result, and the Licensee complies with all other conditions of this certification. In all cases, the total average annual daily withdrawal and the total peak monthly daily withdrawal are limited to the quantities set forth above. (221)

D. Environmental Impacts, Monitoring, and Mitigation: Environmental Assessment

1. Environmental Monitoring Plan

Licensee shall maintain the District-approved Environmental Monitoring Plan. This monitoring plan, at a minimum utilizes the SWFWMD's Wetland Assessment Procedure to evaluate the relative condition of surface waters and wetlands in areas affected by water withdrawals of Licensee from the wells listed in Table 1 above. Monitoring reports associated with the plan shall be provided in the annual monitoring report required by Item 6 below. After two years of monitoring following groundwater use rising to more than 5 million gallons per day (average annual daily withdrawal quantity) from all the wells included in this site certification, the Licensee may request the SWFWMD release the Licensee from monitoring. If the SWFWMD concurs with the request, this Appendix will be revised accordingly.

2. Data Collection:

Licensee shall maintain and monitor the environmental monitoring sites included in the approved monitoring plan. Water levels for monitor wells and staff gauges for the sites included in the monitoring plan shall be referenced to National Geodetic Vertical Datum (NGVD) and reported in a form acceptable to the SWFWMD by the 10th day of each month for the preceding month. The time and date that the elevation is taken shall be included. Any changes to the methods or frequency of monitoring for any of these data collection programs must be approved by the SWFWMD.

3. Staff Gauges:

Licensee shall install and thereafter maintain SWFWMD-approved staff gauges and shall report measurements of water levels, as indicated in the monitoring plan. Water levels shall be recorded and reported to the SWFWMD on or before the tenth day of the following month. To the maximum extent possible, water levels shall be recorded as indicated in the monitoring plan. The frequency of recording may be modified by the SWFWMD as necessary to ensure protection of the resource.

4. Rain Gauges:

Licensee shall maintain a continuous recording rain gauge (District ID No. 17,

Licensee ID No. 17) within the area. Total daily rainfall shall be recorded at this station and submitted to the SWFWMD (on SWFWMD forms or on line) on or before the tenth day of the following month. The reporting period for these data shall begin on the first day of each month and end on the last day of each month.

5. Data Handling:

Licensee shall monitor water levels in the monitor wells and piezometers as specified in the monitoring plan. Reports of the data shall be submitted to the SWFWMD in a form acceptable to the SWFWMD. All data shall be referenced to NGVD. The frequency of water-level recording may be modified by the SWFWMD as necessary to ensure the protection of the resource.

6. Annual Environmental Monitoring Reports

Licensee shall submit an annual environmental monitoring data summary by April 1st of each year for the preceding water year (January 1 – December 31). The Annual Monitoring Report shall include all raw data, essential graphs, tables, and text. Monitoring progress at each site shall be summarized in the Annual Monitoring Report, as specified below. Licensee shall submit three copies of the Annual Monitoring Report each year. Interpretive reports of wellfield environmental conditions shall incorporate all environmental monitoring sites used. The Annual Monitoring Report shall assess relationships between water level fluctuations, well pumpage, atmospheric conditions, and drainage factors related to the environmental condition of the wetlands and surface waters in the vicinity of the conditions of certification area. Pumpage data, wetland, water level data collected from the aquifer and for the region, and environmental parameters collected at the wellfield and in the region shall be used for the report results. Statistical trend analysis, such as double-mass curve analysis, multiple linear regression, time series analysis and/or factor analysis shall be performed to analyze the interactions of rainfall and pumpage on surficial water levels, potentiometric levels in the semi- confined aquifers, surface waters, and wetland water levels, rate of soil subsidence, and evidence of vegetational succession. Data shall be obtained through field measurements and aerial photo interpretation. A brief summary of any recommended changes to the monitoring requirements shall be provided.

E. Compliance Reporting

The Licensee shall submit a compliance report beginning January 28, 2018 and at 10 year intervals thereafter. The report must contain sufficient information to demonstrate reasonable assurance that the withdrawals and use of water authorized by these conditions of certification continue to meet the substantive requirements set forth in Chapter 40D-2, F.A.C., and SWFWMD's Water Use Permit Information Manual Part B, Basis of Review. The compliance report must include:

1. Information documenting water demands and updated demand projections demonstrating that allocations from all sources in the conditions of certification will continue to be needed for the remainder of the conditions of certification duration;

2. Documentation verifying that the sources are capable of supplying the needs authorized by these conditions of certification without causing harm

to water and water- related resources;

3. Documentation verifying that the use of water is efficient and that the Licensee is implementing all feasible water conservation measures;

4. An updated groundwater modeling analysis and data analysis demonstrating that the use of groundwater does not interfere with legal uses existing at the time of issuance of this modification of the conditions of certification;

5. An updated groundwater modeling analysis, along with statistical analyses of water-level and wetland monitoring data, demonstrating that the use does not cause adverse impacts to wetlands, and surface waters, or violations of MFLs;

6. Documentation that groundwater withdrawals by the Licensee are not causing or contributing to significant saltwater intrusion, including but not limited to review and statistical analyses of groundwater level and water quality data collected by the Licensee under these conditions of certification;

7. Information demonstrating that the lowest quality source of water is being used to meet the water demands.

Following review of this report, SWFWMD may seek modification of the conditions of certification or this Appendix to ensure that the use continues to meet the substantive conditions for the consumptive use of water as set forth in Section 373.223, F.S., and Chapter 40D-2, F.A.C.

F. Pumpage Reporting

The withdrawal facilities listed in Table 1 above shall continue to be maintained and operated with existing, non-resettable, totalizing flow meter(s) or other measuring device(s) as approved by the SWFWMD Water Use Permit Bureau Chief. Monthly meter reading and reporting, as well as meter accuracy checks every five years shall be in accordance with instructions in Exhibit A, Metering Instructions, attached to and made part of this Attachment. (719)

G. Water Quality Sampling

Water quality samples from the withdrawal points listed below in Table 2 shall be collected after pumping the withdrawal point at its normal rate for a pumping time specified below, or to a constant temperature, pH, and conductivity. The frequency of sampling per water quality parameter is listed in the table according to the withdrawal point. The recording and reporting shall begin according to the first sample date for existing wells and shall begin within 90 days of completion of any proposed wells. Samples shall be collected whether or not the well is being used unless infeasible. If sampling is infeasible, the Permittee shall indicate the reason for not sampling on the water quality data form or in the space for comments in the WUP Portal for data submissions. For sampling, analysis and submittal requirements see Exhibit A, Water Quality Sampling Instructions, attached to and made part of this Attachment. (752)

Table 2

District ID No.	Licensee ID No.	Minimum Pumping Time (min.)	Parameter	Sampling Frequency
1	PW-1	20	Chlorides, Sulfates and TDS	February, May, August, and November
2	PW-2	20		
3	PW-3	20		
4	PW-4	20		
5	PW-5	20		
6	PW-6	20		
7	PW-7	20		
14	PW-8	20		
15	PW-9a	20		
16	PW-10a	20		
25	PW-12	20		

2. Water quality samples from the monitor sites listed below in Table 3 shall be collected and analyzed for the parameter(s) specified at the frequency indicated. For sampling, analysis and submittal requirements see Exhibit A, Water Quality Sampling Instructions, attached to and made part of this Attachment. (750)

Table 3

District ID No.	Licensee ID No.	Parameter	Sample Frequency
8	MZ-2I	Chlorides,	May, September
9	MZ-2D	Sulfates, and TDS	
10	MZ-2S		
11	MZ-1S		
12	MZ-1I		
13	MZ-1D		

3. The SWFWMD reserves the right to set chloride, sulfate or TDS concentration limits on any production well in the future, based on data collected and after a sufficient data base has been established to determine limits. These limits shall be required after discussions with the Licensee. At such time as the concentration in any water sample reaches or exceeds the designated concentration limits, the Licensee shall take appropriate action to reduce concentrations to below those set for the particular well. If the SWFWMD determines that long-term upward trends or other significant water quality changes are

occurring, the SWFWMD may reconsider the quantities included in these conditions of certification. (276)

4. The Licensee shall continue to maintain the monitor well(s) or piezometer(s) listed below in Table 4 and report them to the District at the frequency listed. Water levels shall be recorded relative to National Geodetic Vertical Datum (NGVD), and to the maximum extent possible, recorded on a regular schedule: same time each day, same day each week, same week each month as appropriate to the frequency noted. The readings shall be reported online via the WUP Portal at the District website (www.watermatters.org) or mailed in hardcopy on District-provided forms to the Water Use Permit Bureau, on or before the tenth day of the following month. The frequency of recording may be modified by the SWFWMD Water Use Permit Bureau Chief, as necessary to ensure the protection of the resource. (756)

Table 4

SWFWMD ID. No	Licensee ID No.	Frequency
8	MZ-2I	Monthly
9	MZ-2D	Monthly
10	MZ-2S	Monthly
11	MZ-1S	Monthly
12	MZ-1I	Monthly
13	MZ-1D	Monthly
23	MONW	Monthly
27	MW-WL2	Monthly
29	MW-WL3	Monthly

5. The Licensee shall continue to maintain the staff gauges listed below in Table 5 and report them to the District at the frequency listed. Surface water levels shall be recorded relative to National Geodetic Vertical Datum (NGVD), and to the maximum extent possible, recorded on a regular schedule: same time each day, same day each week, same week each month as appropriate to the frequency noted. The readings shall be reported online via the WUP Portal at the District website (www.watermatters.org) or mailed in hardcopy on District-provided forms to the Water Use Permit Bureau, on or before the tenth day of the following month. The frequency of recording may be modified by the SWFWMD Water Use Permit Bureau Chief, as necessary to ensure the protection of the resource. (756)

Table 5

SWFWMD ID. No	Licensee ID No.	Frequency
26	WL2-SG	Monthly
28	WL3-SG	Monthly

H. Vertical Datum Conversion

Before January 1, 2016, the Permittee shall submit a plan where the existing water level monitoring sites, District ID Nos. 8, 9, 10, 11, 12, 13, and 23, Licensee ID Nos. MZ-2I, MZ-2D, MZ- 2S, MZ-1S, MZ-1I, MZ-1D and MONW shall be re-surveyed to North American Vertical Datum 1988. The plan shall specify which monitor sites will be re-surveyed and when it will be done. Following District approval, the plan shall be implemented, and a copy of each certified resurvey will be submitted to the District according to the schedule. (850)

I. Standard Conditions

1. With advance notice to the Licensee, SWFWMD staff with proper identification shall have permission to enter, inspect, collect samples, take measurements, observe permitted and related facilities and collect any information deemed necessary to protect the water resources of the area and to determine compliance with the approved plans, specifications and conditions of this permit. The Licensee shall either accompany SWFWMD staff onto the property or make provision for access onto the property. The SWFWMD may require the Licensee to submit water samples when the SWFWMD determines there is a potential for adverse impacts to water quality. (265)

2. All permits or other water use authorizations are contingent upon continued ownership or legal control of all property on which pumps, wells, diversions or other water withdrawal facilities are located. (266)

3. When necessary to analyze impacts to the water resource or existing users, the SWFWMD shall require the Licensee to install flow metering or other measuring devices to record withdrawal quantities and submit the data to the District. (269)

4. The SWFWMD shall collect water samples from any withdrawal point listed in the permit or shall require the permittee to submit water samples when the SWFWMD determines there is a potential for adverse impacts to water quality. (271)

5. A SWFWMD identification tag shall be prominently displayed at each withdrawal point that is required by the SWFWMD to be metered or for which withdrawal quantities are required to be reported to the SWFWMD, by permanently affixing the tag to the withdrawal facility. (277)

6. The Licensee shall mitigate any adverse impact to environmental features or offsite land uses as a result of withdrawals. When adverse impacts occur or are imminent, the SWFWMD shall require the Licensee to mitigate the impacts. Examples of adverse impacts include the following:

   a. Significant reduction in levels or flows in water bodies such as lakes, impoundments, wetlands, springs, streams or other watercourses; or

   b. Damage to crops and other vegetation causing financial harm to the owner; and

   c. Damage to the habitat of endangered or threatened species. (361)

7. The Licensee shall mitigate any adverse impact to existing legal uses caused by withdrawals. When adverse impacts occur or are imminent, the SWFWMD may require the Licensee to mitigate the impacts. Adverse impacts include:

   a. A reduction in water levels which impairs the ability of a well to produce water;

   b. Significant reduction in levels or flows in water bodies such as lakes, impoundments, wetlands, springs, streams or other watercourses; or

c. Significant inducement of natural or manmade contaminants into a water supply or into a usable portion of an aquifer or water body. (362)

8. Licensee shall notify the SWFWMD in writing within 30 days of any sale, transfer, or conveyance of ownership or any other loss of permitted legal control of the site and / or related facilities from which the permitted consumptive use is made. Where Licensee's control of the land subject to the certification was demonstrated through a lease, the Licensee must either submit documentation showing that it continues to have legal control or transfer control of the permitted system / project to the new landowner or new lessee. All transfers of ownership are subject to the requirements of Rule 40D-1.6105, F.A.C. Alternatively, the Licensee may surrender the consumptive use permit to the SWFWMD, thereby relinquishing the right to conduct any activities under the permit. (382)

9. All consumptive uses authorized by the COCs shall be implemented as set forth in the conditions, including any documents incorporated by reference in a specific condition. The SWFWMD may request that DEP revoke this certification, in whole or in part, or take enforcement action, pursuant to sections 373.136 or 373.243, F.S., unless a modification has been obtained. (403)

10. Water use authorized under the SWFWMD's conditions do not convey to the Licensee any property rights or privileges other than those specified herein, nor relieve the Licensee from complying with any applicable local government, state, or federal law, rule, or ordinance. (404)

11. The Licensee shall cease or reduce surface water withdrawal as directed by the SWFWMD if water levels in lakes fall below the applicable minimum water level established in Chapter 40D-8, F.A.C., or rates of flow in streams fall below the minimum levels established in Chapter 40D-8, F.A.C. (409)

12. The Licensee shall cease or reduce withdrawal as directed by the SWFWMD if water levels in aquifers fall below the minimum levels established by the SWFWMD. (410)

13. The Licensee is advised that the substantive provisions of section 373.239, F.S., and Rule 40D- 2.331, F.A.C., are applicable to modifications relating to SWFWMD conditions for water use. (412)

14. The Licensee shall practice water conservation to increase the efficiency of transport, application, and use, as well as to decrease waste and to minimize runoff from the property. At such time as the SWFWMD adopts specific conservation requirements for the Licensee's water use classification, these conditions shall be subject to those requirements upon notice and after a reasonable period for compliance. (556)

15. The SWFWMD may establish special regulations for Water-Use Caution Areas. At such time as the SWFWMD adopts such provisions, this permit shall be subject to them upon notice and after a reasonable period for compliance. (564)

16. Nothing in these conditions should be construed to limit the authority of the SWFWMD to declare a water shortage and issue orders pursuant to chapter 373, F.S. In the event of a declared water shortage, the Licensee must adhere to the water shortage restrictions, as specified by the SWFWMD. The Licensee is advised that during a water shortage, reports shall be submitted as required by SWFWMD rule or order. (565)

17. The SWFWMD-related conditions of certification are based on information provided by the Licensee demonstrating that the use of water is reasonable and beneficial, consistent with the public

interest, and will not interfere with any existing legal use of water. If, during the term of the certification, it is determined by the SWFWMD that a statement in the application and in the supporting data are found to be untrue and inaccurate, the use is not reasonable and beneficial, in the public interest, or does impact an existing legal use of water, the SWFWMD shall seek modification of this COCs The Licensee shall immediately notify the SWFWMD in writing of any previously submitted information that is later discovered to be inaccurate. (566)

Attachment J
Exhibit A - Instructions

METERING INSTRUCTIONS

The Licensee shall meter withdrawals from surface waters and/or the ground water resources, and meter readings from each withdrawal facility shall be recorded on a monthly basis within the last week of the month. The meter reading(s) shall be reported to the SWFWMD Water Use Permit Bureau on or before the tenth day of the following month for monthly reporting frequencies. For bi-annual reporting, the data shall be recorded on a monthly basis and reported on or before the tenth day of the month following the sixth month of recorded data. The Licensee shall submit meter readings online using the Permit Information Center at http://www.swfwmd.state.fl.us/permits/ or on District-supplied scanning forms unless another arrangement for submission of this data has been approved by the SWFWMD. Submission of such data by any other unauthorized form or mechanism may result in loss of data and subsequent delinquency notifications. Call the Water Use Permit Bureau in Tampa at (813) 985-7481 if difficulty is encountered.

The meters shall adhere to the following descriptions and shall be installed or maintained as follows:

1. The meter(s) shall be non-resettable, totalizing flow meter(s) that have a totalizer of sufficient magnitude to retain total gallon data for a minimum of the three highest consecutive months permitted quantities. If other measuring device(s) are proposed, prior to installation, approval shall be obtained in writing from the Water Use Permit Bureau Chief.

2. The Licensee shall report non-use on all metered standby withdrawal facilities on the scanning form or approved alternative reporting method.

3. If a metered withdrawal facility is not used during any given month, the meter report shall be submitted to the SWFWMD indicating the same meter reading as was submitted the previous month.

4. The flow meter(s) or other approved device(s) shall have and maintain an accuracy within five percent of the actual flow as installed.

5. Meter accuracy testing requirements:

A. For newly metered withdrawal points, the flow meter installation shall be designed for inline field access for meter accuracy testing.

B. The meter shall be tested for accuracy on-site, as installed according to the Flow Meter Accuracy Test Instructions in this Exhibit A, every five years in the assigned month for the county, beginning from the date of its installation for new meters or from the date of initial issuance of this permit containing the metering condition with an accuracy test requirement for existing meters.

C. The testing frequency will be decreased if the Permittee demonstrates to the satisfaction of the District that a longer period of time for testing is warranted.

D. The test will be accepted by the District only if performed by a person knowledgeable in the testing equipment used.

E. If the actual flow is found to be greater than 5% different from the measured flow, within 30 days, the Permittee shall have the meter re-calibrated, repaired, or replaced, whichever is necessary. Documentation of the test and a certificate of re-calibration, if applicable, shall be submitted within 30 days of each test or re-calibration.

6. The meter shall be installed according to the manufacturer's instructions for achieving accurate flow to the specifications above, or it shall be installed in a straight length of pipe where there is at least an upstream length equal to ten (10) times the outside pipe diameter and a downstream length equal to two (2) times the outside pipe diameter. Where there is not at least a length of ten diameters upstream available, flow straightening vanes shall be used in the upstream line.

7. Broken or malfunctioning meter:

A. If the meter or other flow measuring device malfunctions or breaks, the Permittee shall notify the District within 15 days of discovering the malfunction or breakage.

B. The meter must be replaced with a repaired or new meter, subject to the same specifications given above, within 30 days of the discovery.

C. If the meter is removed from the withdrawal point for any other reason, it shall be replaced with another meter having the same specifications given above, or the meter shall be reinstalled within 30 days of its removal from the withdrawal. In either event, a fully functioning meter shall not be off the withdrawal point for more than 60 consecutive days.

8. While the meter is not functioning correctly, the Licensee shall keep track of the total amount of time the withdrawal point was used for each month and multiply those minutes times the pump capacity (in gallons per minute) for total gallons. The estimate of the number of gallons used each month during that period shall be submitted on SWFWMD scanning forms and noted as estimated per instructions on the form. If the data is submitted by another approved method, the fact that it is estimated must be indicated. The reason for the necessity to estimate pumpage shall be reported with the estimate.

9. In the event a new meter is installed to replace a broken meter, it and its installation shall meet the specifications of this condition. The permittee shall notify the SWFWMD of the replacement with the first submittal of meter readings from the new meter.

FLOW METER ACCURACY TEST INSTRUCTIONS

1. Accuracy Test Due Dates - The Licensee is to schedule their accuracy test according to the following schedule:

A. For existing metered withdrawal points, add five years to the previous test year, and make the test in the month assigned to your county.

B. For withdrawal points for which metering is added for the first time, the test is to be scheduled five years from the issue year in the month assigned to your county.

C. For proposed withdrawal points, the test date is five years from the completion date of the withdrawal point in the month assigned to your county.

D. For the Licensee's convenience, if there are multiple due-years for meter accuracy testing because of the timing of the installation and/or previous accuracy tests of meters, the

Licensee can submit a request in writing to the Water Use Permit Bureau Chief for one specific year to be assigned as the due date year for meter testing. If Licensee has many meters to test it may also request the tests to be grouped into one year or spread out evenly over two to three years.

E. The months for accuracy testing of meters are assigned by county. The Licensee is requested but not required to have their testing done in the month assigned to their county. This is to have sufficient SWFWMD staff available for assistance.

January	Hillsborough
February	Manatee, Pasco
March	Polk (for odd numbered permits)*
April	Polk (for even numbered permits)*
May	Highlands
June	Hardee, Charlotte
July	None or Special Request
August	None or Special Request
September	DeSoto, Sarasota
October	Citrus, Levy, Lake
November	Hernando, Sumter, Marion
December	Pinellas

* The Licensee may request their multiple permits be tested in the same month.

2. Accuracy Test Requirements: The Licensee shall test the accuracy of flow meters on permitted withdrawal points as follows:

A. The equipment water temperature shall be set to 72 degrees Fahrenheit for ground water, and to the measured water temperature for other water sources.

B. A minimum of two separate timed tests shall be performed for each meter. Each timed test shall consist of measuring flow using the test meter and the installed meter for a minimum of four minutes duration. If the two tests do not yield consistent results, additional tests shall be performed for a minimum of eight minutes or longer per test until consistent results are obtained.

C. If the installed meter has a rate of flow, or large multiplier that does not allow for consistent results to be obtained with four- or eight-minute tests, the duration of the test shall be increased as necessary to obtain accurate and consistent results with respect to the type of flow meter installed.

D. The results of two consistent tests shall be averaged, and the result will be considered the test result for the meter being tested. This result shall be expressed as a plus or minus percent (rounded to the nearest one-tenth percent) accuracy of the installed meter relative to the test meter. The percent accuracy indicates the deviation (if any), of the meter being tested from the test meter.

3. Accuracy Test Report: The Licensee shall demonstrate that the results of the meter test(s) are accurate by submitting the following information within 30 days of the test:

A. A completed Flow Meter Accuracy Verification Form, Form LEG-R.014.00 for each flow meter tested. This form can be obtained from the District's website

(http://www.swfwmd.state.fl.us/) under “Permits and Rules” for Water Use Permits.

B. A printout of data that was input into the test equipment if the test equipment is capable of creating such a printout;

C. A statement attesting that the manufacturer of the test equipment, or an entity approved or authorized by the manufacturer, has trained the operator to use the specific model test equipment used for testing;

D. The date of the test equipment’s most recent calibration that demonstrates that it was calibrated within the previous twelve months, and the test lab's National Institute of Standards and Testing (N.I.S.T.) traceability reference number.

E. A diagram showing the precise location on the pipe where the testing equipment was mounted shall be supplied with the form. This diagram shall also show the pump, installed meter, the configuration (with all valves, tees, elbows, and any other possible flow disturbing devices) that exists between the pump and the test location clearly noted with measurements. If flow straightening vanes are utilized, their location(s) shall also be included in the diagram.

F. A picture of the test location, including the pump, installed flow meter, and the measuring device, or for sites where the picture does not include all of the items listed above, a picture of the test site with a notation of distances to these items.

WATER QUALITY INSTRUCTIONS

The Licensee shall perform water quality sampling, analysis and reporting as follows:

1. The sampling method(s) from both monitor wells and surface water bodies shall be designed to collect water samples that are chemically representative of the zone of the aquifer or the depth or area of the water body.

2. Water quality samples from monitor wells shall be taken after pumping the well for the minimum time specified (if specified) or after the water reaches a constant temperature, pH, and conductivity.

3. The first submittal to the SWFWMD shall include a copy of the laboratory’s analytical and chain of custody procedures. If the laboratory used by the Licensee is changed, the first submittal of data analyzed at the new laboratory shall include a copy of the laboratory’s analytical and chain of custody procedures.

4. Any variance in sampling and/or analytical methods shall have prior approval of the SWFWMD Water Use Permit Bureau Chief.

5. The Licensee’s sampling procedure shall follow the handling and chain of custody procedures designated by the certified laboratory which will undertake the analysis.

6. Water quality samples shall be analyzed by a laboratory certified by the Florida Department of Health utilizing the standards and methods applicable to the parameters analyzed and to the water use pursuant to Chapter 64E-1, Florida Administrative Code, “Certification of Environmental Testing Laboratories.”

7. Analyses shall be performed according to procedures outlined in the current edition of Standard Methods for the Examination of Water and Wastewater by the American Public Health Association- American Water Works Association-Water Pollution Control Federation (APHA-AWWA-WPCF) or Methods for Chemical Analyses of Water and Wastes by the U.S. Environmental Protection Agency (EPA).
8. Unless other reporting arrangements have been approved by the SWFWMD Water Use Permit Bureau Chief, reports of the analyses shall be submitted to the SWFWMD Water Use Permit Bureau, online at the SWFWMD WUP Portal or mailed in hardcopy on or before the tenth day of the following month. The online submittal shall include a scanned upload of the original laboratory report. The hardcopy submittal shall be a copy of the laboratory's analysis form. If for some reason, a sample cannot be taken when required, the Permittee shall indicate so and give the reason in the space for comments at the WUP Portal or shall submit the reason in writing on the regular due date.

9. Water quality samples shall be collected based on the following timetable for the frequency listed in the special condition:

10. The parameters and frequency of sampling and analysis may be modified by the SWFWMD as necessary to ensure the protection of the resource.

Frequency Timetable
Weekly Same Day of each week Monthly Same week of each month
Quarterly Same week of February, May, August, November
Semi-annually Same week of May, September