United States Nuclear Regulatory Commission Official Hearing Exhibit
In the Matter of: Progress Energy Florida, Inc.
(Levy County Nuclear Power Plant, Units 1 and 2)
ASLBP #: 09-879-04-COL-BD01
Docket #: 05200029 | 05200030
Exhibit #: PEF213-00-BD01 Identified: 10/31/2012
Admitted: 10/31/2012 Withdrawn:
Rejected: Stricken:
Other:

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
WATER USE
GENERAL
PERMIT NO. 20013273.000

EXPIRATION DATE: June 17, 2020 **PERMIT ISSUE DATE: June 17, 2010**

The Permittee is responsible for submitting an application to renew this permit no sooner than one year prior to the expiration date, and no later than the end of the last business day before the expiration date, whether or not the Permittee receives prior notification by mail. Failure to submit a renewal application prior to the expiration date and continuing to withdraw water after the expiration date is a violation of Chapter 373, Florida Statutes, and Chapter 40D-2, Florida Administrative Code, and may result in a monetary penalty and/or loss of the right to use the water. Issuance of a renewal of this permit is contingent upon District approval.

TYPE OF APPLICATION: New

GRANTED TO: Tarmac America, LLC
455 Fairway Drive, Deerfield Beach, FL 33441

Plum Creek Timberlands, LLC
999 Third Avenue, Suite 2300, Seattle, WA 98104

PROJECT NAME: King Road Mine

WATER USE CAUTION AREA: N/A

TOTAL QUANTITIES AUTHORIZED UNDER THIS PERMIT (in gpd)	
ANNUAL AVERAGE	123,000 gpd
PEAK MONTH[1]	136,800 gpd

[1]Average daily use during the highest water use month.

PROPERTY LOCATION: 4,800 leased acres in Levy County, approximately 4.7 miles north of the Town of Inglis, and 5.1 miles south of the intersection of US Highway 19 and State Road 121.

ABSTRACT: This is a permit for water use associated with a new limerock mine and aggregate screening plant located in southwestern Levy County. The limerock will be mined to a depth of about 100 feet without de-watering the aquifer. Approximately 13 million gallons per day (gpd) will be used at the processing plant for crushing, washing, and screening the rock. Most water used at the processing plant comes from water that is pumped from the mine pits to a processing plant pond and repumped to the mine pits to transport the unused fine-grained tailings back to the mined pits.

Approximately 120,000 gpd Annual Average, and 132,000 gpd Peak Month, are the consumptive use withdrawal quantities, which is moisture in the aggregate that will be shipped from the site. The only pumping well will be the 4-inch well at the mine office/workshop/gatehouse providing potable supply and minor landscape irrigation adding 3,000 gpd Annual Average, and 4,800 gpd Peak Month to the permit, for a overall total of 123,000 gpd Annual Average, and 136,800 gpd Peak Month.

Special Conditions include metering and reporting of quantities pumped including the re-circulated quantities, monitoring of mine site water levels and water quality, adherence to the mining plan, and implementation of a Ground Water Monitoring Plan. The Ground Water Monitoring Plan includes measurement and maintenance of the pre-existing ground water levels across the site, monitoring ground water quality, and quarterly reporting of hydrologic conditions.

WATER USE TABLE (in gallons per day)

Use	Annual Average	Peak Month
Mining / Dewatering	123,000	136,800

FACILITY NAME	USE TYPE
King Road Aggregate Mine	Limestone Mining and Aggregate Processing Personal Sanitary Use

WITHDRAWAL POINT QUANTITY TABLE

Water use from these withdrawal points are restricted to the quantities given below:

I.D. NO. PERMITTEE/ DISTRICT	DIAM. (IN.)	DEPTH TTL./CSD.FT. (feet bls)	USE	GALLONS PER DAY AVERAGE	PEAK MONTH	
Plant Pond / 1	30	N/A / N/A	M	120,000	132,000	
Office Well / 2	4	50 / 30	M	3,000	4,800	
Tailings Pond / 3	30	N/A / N/A	M	120,000	132,000	Standby
Mine Pond / 4	30	N/A / N/A	M	120,000	132,000	Standby

M = Mining

WITHDRAWAL POINT LOCATION TABLE

DISTRICT I.D. NO.	LATITUDE/LONGITUDE	SECTION/TOWNSHIP/RANGE
1	29°05'39.70" / 82°40'07.37"	14/16S/16E
2	29°05'44.93" / 82°39'50.34"	14/16S/16E
3	29°06'24.63" / 82°39'36.72"	11/16S/16E
4	29°06'31.85" / 82°41'51.24"	9/16S/16E

SPECIAL CONDITIONS:

All conditions referring to approval by the Regulation Department Director, Resource Regulation, shall refer to the Director, Brooksville Regulation Department, Resource Regulation.

DATA REPORTING

1. All reports and data required by condition(s) of the permit shall be submitted to the District according to the due date(s) contained in the specific condition. If the report or data is received on or before the tenth day of the month following data collection, it shall be deemed as a timely submittal. The Permittee may use the District's website to submit data, plans or reports online. To set up an account, the Permittee can address the request to permitdata@watermatters.org. All mailed reports and data are to be sent to:

   Permit Data Section, Regulation Performance Management Department
   Southwest Florida Water Management District
   2379 Broad Street
   Brooksville, Florida 34604-6899

   Submission of plans and reports: Unless submitted online or otherwise indicated in the special condition, 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 special condition, 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.

WELL CAPPING

2. Any wells not in use, and in which pumping equipment is not installed shall be capped or valved in a water tight manner in accordance with Chapter 62-532.500(3)(a)(4), F.A.C.

NEW STAFF GAGES

3. Within 90 days of completing the construction of the water bodies listed on the table below, the Permittee shall install a District-approved staff gauge in the water bodies at the location(s) specified by latitude and longitude below and report measurements of water levels referenced to the North American Vertical Datum 1988 at the frequency indicated. Instructions for installation of the staff gauge, recording and reporting the data are given in Exhibit B, Water Level Instructions, attached to and made part of this permit.

District ID No.	Permittee ID	Type Monitoring	Lat. – Long.	Frequency
37	PIT_GAGE-1	Staff Gage	290618.80 / 823926.70	weekly
38	PIT_GAGE-2	Staff Gage	290637.85 / 824153.52	weekly
39	PIT_GAGE-3	Staff Gage	290545.44 / 824029.20	weekly
40	WETLAND_GAGE-1	Staff Gage	290524.28 / 823928.31	weekly
41	WETLAND_GAGE-2	Staff Gage	290545.44 / 824029.20	weekly
42	WETLAND_GAGE-3	Staff Gage	290513.11 / 823945.01	weekly
43	WETLAND_GAGE-4	Staff Gage	290611.46 / 824152.93	weekly

METERING OF WATER WITHDRAWALS

4. The following proposed withdrawal facilities shall be metered within 90 days of completion of construction of the facilities: **District ID No(s). 1, 3, and 4, Permittee ID No(s). Plant Pond, Tailings Pond, and Mine Pond.** Meter reading and reporting, as well as meter accuracy checks every five years shall be in accordance with instructions in Exhibit B, Metering Instructions, attached to and made part of this permit.

MONITOR WELLS- WATER LEVEL

5. Within 90 days of the completion of the following proposed monitor wells, piezometers, or staff gages, as listed in the table below, the Permittee shall record water levels using an appropriate method and report them to the District as prescribed in the District-approved Ground Water Monitoring Plan received February 23, 2010. The required recording frequency is listed in the table below for each well. To the maximum extent possible, water levels shall be 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 Permit Data Section, Regulation Performance Management Department on or before the tenth day of the following month. The frequency of recording may be modified by the Regulation Department Director, Resource Regulation, as necessary to ensure the protection of the resource.

District ID	Permittee ID	Monitoring Type	Aquifer	Recording Frequency
5	MW-1	Monitoring Well	Floridan	weekly
6	MW-2	Monitoring Well	Floridan	weekly
7	MW-3	Monitoring Well	Floridan	weekly
8	MW-4	Monitoring Well	Floridan	weekly
9	MW-5	Monitoring Well	Floridan	weekly
10	MW-6	Monitoring Well	Floridan	weekly
11	MW-7	Monitoring Well	Floridan	weekly
12	MW-7S	Monitoring Well	Floridan	weekly
13	MW-7D	Monitoring Well	Floridan	weekly
14	MW-8	Monitoring Well	Floridan	weekly
15	MW-9	Monitoring Well	Floridan	weekly
16	MW-10	Monitoring Well	Floridan	weekly
17	MW-11	Monitoring Well	Floridan	weekly
18	MW-12	Monitoring Well	Floridan	weekly
19	MW-13	Monitoring Well	Floridan	weekly
20	MW-14	Monitoring Well	Floridan	weekly
21	MW-15S	Monitoring Well	Floridan	weekly
22	MW-15D	Monitoring Well	Floridan	weekly
23	MW-16S	Monitoring Well	Floridan	weekly
24	MW-16D	Monitoring Well	Floridan	weekly
25	MW-17S	Monitoring Well	Floridan	weekly
26	MW-17D	Monitoring Well	Floridan	weekly
27	MW-18S	Monitoring Well	Floridan	weekly
28	MW-18D	Monitoring Well	Floridan	weekly
29	MW-19S	Monitoring Well	Floridan	weekly
30	MW-19D	Monitoring Well	Floridan	weekly
31	MW-20S	Monitoring Well	Floridan	weekly
32	MW-20D	Monitoring Well	Floridan	weekly
33	MW-21S	Monitoring Well	Floridan	weekly
34	MW-21D	Monitoring Well	Floridan	weekly
35	MW-22S	Monitoring Well	Floridan	weekly
36	MW-22D	Monitoring Well	Floridan	weekly
37	PIT_GAGE-1	Staff Gage	Surface Water	weekly
38	PIT_GAGE-2	Staff Gage	Surface Water	weekly
39	PIT_GAGE-3	Staff Gage	Surface Water	weekly
40	WETLAND_GAGE-1/piezometer	Staff Gage/piezometer	Surface Water	weekly
41	WETLAND_GAGE-2/piezometer	Staff Gage/piezometer	Surface Water	weekly
42	WETLAND_GAGE-3/piezometer	Staff Gage/piezometer	Surface Water	weekly
43	WETLAND_GAGE-4/piezometer	Staff Gage/piezometer	Surface Water	weekly

MONITOR SITES - WATER QUALITY

6. Within 90 days of the completion of the following proposed monitor wells and sites, as listed in the table below, the Permittee shall collect, analyze for the parameters indicated using an appropriate method, and report the results as prescribed in the District-approved Ground Water Monitoring Plan. In addition, for sampling, analysis and submittal requirements see Exhibit B, Water Quality Sampling Instructions, attached to and made part to this permit.

District ID	Permittee ID	Monitoring Type	Parameters	Frequency
5	MW-1	Monitoring Well	Parameter Set 1*	Quarterly
6	MW-2	Monitoring Well	Parameter Set 1*	Quarterly
7	MW-3	Monitoring Well	Parameter Set 1*	Quarterly
8	MW-4	Monitoring Well	Parameter Set 1*	Quarterly
9	MW-5	Monitoring Well	Parameter Set 1*	Quarterly
10	MW-6	Monitoring Well	Parameter Set 1*	Quarterly
11	MW-7	Monitoring Well	Parameter Set 1*	Quarterly
12	MW-7S	Monitoring Well	Parameter Set 1*	Quarterly
13	MW-7D	Monitoring Well	Parameter Set 1*	Quarterly
14	MW-8	Monitoring Well	Parameter Set 1*	Quarterly
15	MW-9	Monitoring Well	Parameter Set 1*	Quarterly
16	MW-10	Monitoring Well	Parameter Set 1*	Quarterly
17	MW-11	Monitoring Well	Parameter Set 1*	Quarterly
18	MW-12	Monitoring Well	Parameter Set 1*	Quarterly
19	MW-13	Monitoring Well	Parameter Set 1*	Quarterly
20	MW-14	Monitoring Well	Parameter Set 1*	Quarterly
21	MW-15S	Monitoring Well	Parameter Set 1*	Quarterly
22	MW-15D	Monitoring Well	Parameter Set 1*	Quarterly
23	MW-16S	Monitoring Well	Parameter Set 1*	Quarterly
24	MW-16D	Monitoring Well	Parameter Set 1*	Quarterly
25	MW-17S	Monitoring Well	Parameter Set 1*	Quarterly
26	MW-17D	Monitoring Well	Parameter Set 1*	Quarterly
27	MW-18S	Monitoring Well	Parameter Set 1*	Quarterly
28	MW-18D	Monitoring Well	Parameter Set 1*	Quarterly
29	MW-19S	Monitoring Well	Parameter Set 1*	Quarterly
30	MW-19D	Monitoring Well	Parameter Set 1*	Quarterly
31	MW-20S	Monitoring Well	Parameter Set 1*	Quarterly
32	MW-20D	Monitoring Well	Parameter Set 1*	Quarterly
33	MW-21S	Monitoring Well	Parameter Set 1*	Quarterly
34	MW-21D	Monitoring Well	Parameter Set 1*	Quarterly
35	MW-22S	Monitoring Well	Parameter Set 1*	Quarterly
36	MW-22D	Monitoring Well	Parameter Set 1*	Quarterly
37	PIT_GAGE-1	Staff Gage	Parameter Set 1*	Quarterly
38	PIT_GAGE-2	Staff Gage	Parameter Set 1*	Quarterly

Parameter Set 1* = Chlorides, Sulfates, Total Dissolved Solids, Total Nitrogen, Arsenic, Gross Alpha (annually only), and Radium226 (annually only depending on Gross Alpha Levels).

WATER CONSERVATION

7. The Permittee shall immediately implement and continue to employ water conservation strategies for limerock mining as detailed in the water use permit application, mining plan, and the submitted permit application reports. Progress reports on the implementation of water conservation practices and strategies for limerock mining as proposed in the permit application and other methods that may be developed and employed shall be included in the Quarterly Mining Report required for this permit as indicated in the condition below.

WELL COMPLAINT MITIGATION PLAN

8. The Permittee shall implement the well-complaint provisions detailed in the District-approved Ground Water Monitoring Plan received February 23, 2010, for residential wells and other potable well-sites in the area of the permit site. All well complaints received by the permittee shall be reported to the District within 14 days of receipt. Reporting of any actions taken by the permittee for the complaint shall be reported to the District within 30 days of the complaint receipt. A summary of these complaints shall be included in the Quarterly Mining Report as indicated in the condition below.

QUARTERLY MINING REPORT

9. The Permittee shall submit a Quarterly Mining Report by the first day of **February, May, August,** and **November** of each year that addresses the prior reporting period, and the prior reporting periods if applicable to the report content. The Report shall include but not necessarily be limited to:

    1. Assessment and summary of any adverse impacts from mining activities or related hydrologic conditions.
    2. An update to the mining plan showing current mined areas and the next subsequent areas to be mined.
    3. Assessment and summary of hydrologic conditions, including aquifer water levels, hydraulic gradients across the site, and water quality from both monitor wells and mine pit water sampling.
    4. Assessment of water quality changes in the surface water in the pits, and in the down-gradient region of the aquifer. Evaluation of the pumpage of recirculation water between the pits, and an assessment of the influence of recirculation of water on the water quality in the pits.
    5. Identification of water level and water quality trends by examination of collected data required by the permit, and an analysis of these water levels.
    6. Summary of pumping activities for maintaining water levels in the pits including descriptions of pit water level elevations and general trends in maintenance pumping actions.
    7. Summary of received well complaints or other complaints related to hydrologic conditions in the area of the mining activities.
    8. Measurement and reporting of the water table gradient across the site, as included in the Ground Water Monitoring Plan submittal **(February 23, 2010)**.

MONITOR WELL MAINTENANCE

10. A water level and water quality monitor well maintenance program shall be initiated, and shall be ongoing for the life of the permit. This program shall be undertaken to insure the retrieval and reporting of accurate water level and water quality data. The Permittee shall also maintain the wellheads of the monitor wells. Where water level recorders are not in use, this maintenance shall include secure, lockable, sliding or screw caps on all monitor wells. All monitor wells shall be maintained with a minimum of eighteen inches of casing above grade or ground surface.

STANDARD CONDITIONS:

The Permittee shall comply with the Standard Conditions attached hereto, incorporated herein by reference as Exhibit "A" and made a part hereof.

Authorized Signature
SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

This permit, issued under the provision of Chapter 373, Florida Statutes and Florida Administrative Code 40D-2, authorizes the Permittee to withdraw the quantities outlined above, and may require various activities to be performed by the Permittee as described in the permit, including the Special Conditions. 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.

40D-2
Exhibit "A"

WATER USE PERMIT STANDARD CONDITIONS

1. If any of the statements in the application and in the supporting data are found to be untrue and inaccurate, or if the Permittee fails to comply with all of the provisions of Chapter 373, F.S., Chapter 40D, or the conditions set forth herein, the Governing Board shall revoke this permit in accordance with Rule 40D-2.341, following notice and hearing.

2. This permit is issued based on information provided by the Permittee 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 permit, it is determined by the District that the use is not reasonable and beneficial, in the public interest, or does impact an existing legal use of water, the Governing Board shall modify this permit or shall revoke this permit following notice and hearing.

3. The Permittee shall not deviate from any of the terms or conditions of this permit without written approval by the District.

4. In the event the District declares that a Water Shortage exists pursuant to Chapter 40D-21, the District shall alter, modify, or declare inactive all or parts of this permit as necessary to address the water shortage.

5. The District shall collect water samples from any withdrawal point listed in the permit or shall require the Permittee to submit water samples when the District determines there is a potential for adverse impacts to water quality.

6. The Permittee shall provide access to an authorized District representative to enter the property at any reasonable time to inspect the facility and make environmental or hydrologic assessments. The Permittee shall either accompany District staff onto the property or make provision for access onto the property.

7. Issuance of this permit does not exempt the Permittee from any other District permitting requirements.

8. The Permittee shall cease or reduce surface water withdrawal as directed by the District if water levels in lakes fall below applicable minimum water level established in Chapter 40D-8 or rates of flow in streams fall below the minimum levels established in Chapter 40D-8.

9. The Permittee shall cease or reduce withdrawal as directed by the District if water levels in aquifers fall below the minimum levels established by the Governing Board.

10. The Permittee 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 Governing Board adopts specific conservation requirements for the Permittee's water use classification, this permit shall be subject to those requirements upon notice and after a reasonable period for compliance.

11. The District may establish special regulations for Water Use Caution Areas. At such time as the Governing Board adopts such provisions, this permit shall be subject to them upon notice and after a reasonable period for compliance.

12. The Permittee shall mitigate any adverse impact to existing legal uses caused by withdrawals. When adverse impacts occur or are imminent, the District shall require the Permittee to mitigate the impacts. Adverse impacts include:

    A. A reduction in water levels which impairs the ability of the 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 any aquifer water body.

13. The Permittee 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 District shall require the Permittee to mitigate the impacts. Adverse impacts include:

    A. Significant reduction in levels or flows in water bodies such as lakes, impoundments, wetlands, springs, streams or other watercourses;
    B. Sinkholes or subsidence caused by reduction in water levels;
    C. Damage to crops and other vegetation causing financial harm to the owner; and
    D. Damage to the habitat of endangered or threatened species.

14. When necessary to analyze impacts to the water resource or existing users, the District shall require the Permittee to install flow metering or other measuring devices to record withdrawal quantities and submit the data to the District.

15. A District identification tag shall be prominently displayed at each withdrawal point by permanently affixing the tag to the withdrawal facility.

16. Notwithstanding the provisions of Rule 40D-1.6105, F.A.C., persons who wish to continue the water use permitted herein and who have acquired ownership or legal control of permitted water withdrawal facilities or the land on which the facilities are located must apply to transfer the permit to themselves within 45 days of acquiring ownership or legal control of the water withdrawal facilities or the land.

17. All permits issued pursuant to these Rules are contingent upon continued ownership or legal control of all property on which pumps, wells, diversions or other water withdrawal facilities are located.

Exhibit B
Instructions

METERING INSTRUCTIONS

The Permittee 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 Permit Data Section, Regulation Performance Management Department on or before the tenth day of the following month. District-supplied scanning forms shall be used to submit the meter readings unless another arrangement for submission of this data has been approved by the District.

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 Regulation Department Director.
2. The Permittee 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 District 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. 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, every five years 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 Permittee 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 District 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 District of the replacement with the first submittal of meter readings from the new meter.

WATER QUALITY INSTRUCTIONS

The Permittee 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 District shall include a copy of the laboratory's analytical and chain of custody procedures. If the laboratory used by the Permittee 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 Regulation Department Director, Resource Regulation.
5. The Permittee'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 Regulation Department Director, Resource Regulation, reports of the analyses shall be submitted to the Permit Data Section, Strategic Programs Office Department, online at the District 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 District 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, November**

WATER LEVEL INSTRUCTIONS

The staff gauge(s) shall be surveyed according to instructions given on the District website and referenced to the North American Vertical Datum 1988, and a copy of the survey indicating the datum reference shall be submitted with the first water level data report. The staff gauge(s) shall be scaled in one-tenth foot increments and shall be sized and placed so as to be clearly visible from an easily accessible point of land. Water levels shall be recorded on a frequency as indicated in the table provided in the special condition and reported to the Permit Data Section, Performance Management Office, online via the WUP Portal at the District website or in hardcopy on District-provided forms on or before the tenth day of the

following month. To the maximum extent possible, water levels shall be recorded on a regular schedule as indicated in the recording timetable below. The frequency of recording may be modified by the Regulation Department Director, Resource Regulation, as necessary to ensure the protection of the resource.

Water Level Recording Timetable

Frequency	Recording Schedule
Daily	Same time of each day
Weekly	Same day of each week
Monthly	Same week of each month
Quarterly	Same week of months specified

WELL COMPLAINT INSTRUCTIONS

The permittee shall adhere to the following process for handling water resource, surface or ground water withdrawal point impact, dewatering complaints, or discharge/seepage of water from their property:

1. Within 48 hours of a complaint received by the Permittee related to their withdrawal or use of water or dewatering activity, the Permittee shall notify the District, perform a preliminary investigation to determine whether the Permittee's pumpage, dewatering activity, or discharge/seepage from their property may have caused the problem.
2. If this preliminary assessment indicates that the Permittee may be responsible, the Permittee shall, within 72 hours of complaint receipt, supply the complainant with any water necessary for health and safety purposes, such as drinking water.
3. If the resulting investigation determines that the Permittee was not responsible for the well problem, the Permittee shall document the reasons for this determination.
4. If the detailed investigation confirms that the complainant's problem was caused by the Permittee's pumpage, dewatering, or discharge or water impoundment activities:
   A. The complainant's problem shall be fully corrected within 15 days of complaint receipt.
   B. Impacts to wells: Full correction shall be restoration of the complainant's well to pre-impact condition or better, including the aspects of pressure levels, discharge quantity, and water quality. This detailed investigation shall include, but not be limited to, an analysis of water levels and pumpage impacts at the time of the complainant's problem, well and pump characteristics including depths, capacity, pump curves, and irrigation system requirements.
5. The Permittee shall file a report of the complaint, the findings of facts, appropriate technical data, and any mitigating action taken or to be taken by the Permittee, to the Regulation Department Director, Resource Regulation, for review and approval within 20 days of the receipt of any complaint. The report shall include:
   A. The name and address of each complainant;
   B. The date and nature of the complaint;
   C. A summary of the Permittee's investigation;
   D. A summary of the Permittee's determination, including details of any mitigation activities; and
   E. Cost of mitigation activity for each complaint.
6. A copy of the report shall be sent to the complainant within 20 days of complaint receipt.

WELL CONSTRUCTION INSTRUCTIONS

All wells proposed to be constructed shall be drilled and constructed as specified below:

1. All well casing (including liners and/or pipe) must be sealed to the depth specified in the permit condition.
2. The proposed well(s) shall be constructed of materials that are resistant to degradation of the casing/grout due to interaction with the water of lesser quality. A minimum grout thickness of two (2) inches is required on wells four (4) inches or more in diameter.
3. A minimum of twenty (20) feet overlap and two (2) centralizers is required for Public Supply wells and all wells six (6) inches or more in diameter.

4. Any variation from estimated, maximum or minimum total depths; maximum or minimum casing depths; well location or casing diameter specified in the condition requires advanced approval by the Regulation Department Director, Resource Regulation, or the Supervisor of the Well Construction Permitting Section in Brooksville.
5. The Permittee is notified that a proposal to significantly change any of these well construction specifications may require permit modification if the District determines that such a change would result in significantly greater withdrawal impacts than those considered for this Permit.

ANNUAL REPORT SUBMITTAL INSTRUCTIONS

The "Public Supply Water Use Annual Report Form" (Form No. LEG-R.023.00 (01/09)), is designed to assist the Permittee with the annual report requirements, but the final authority for what must be included in the Water Use Annual Report is in this condition and in these instructions. Two identical copies of the "Public Supply Water Use Annual Report Form" and two identical copies of all required supporting documentation shall be included if submitted in hard copy. "Identical copy" in this instance means that if the original is in color, then all copies shall also be printed in color. If submitted electronically, only one submittal is required; however, any part of the document that is in color shall be scanned in color.

1. **Per Capita Use Rate** – A per capita rate for the previous calendar year will be progressively calculated until a rate of 150 gpd per person or less is determined whether it is the unadjusted per capita, adjusted per capita, or compliance per capita. The calculations shall be performed as shown in Part A of the Form. The Permittee shall refer to and use the definitions and instructions for all components as provided on the Form and in Part B, Chapter 3, Section 3.6 of the "Water Use Permit Information Manual." Permittees in the Southern Water Use Caution Area (SWUCA) or the Northern Tampa Bay Water Use Caution Area (NTBWUCA), as it existed prior to October 1, 2007, shall achieve a per capita of 150 gpd or less, and those that cannot achieve a compliance per capita rate of 150 gpd or less shall include a report on why this rate was not achieved, measures taken to comply with this requirement, and a plan to bring the permit into compliance. Other Permittees that cannot achieve compliance per capita rate of 150 gpd by January 1, 2020 shall submit this same report in the Annual Report due April 1, 2020.
2. **Residential Use** – Residential water use consists of the indoor and outdoor water uses associated with each category of residential customer (single family units, multi-family units, and mobile homes), including irrigation uses, whether separately metered or not. The Permittee shall document the methodology used to determine the number of dwelling units by type and the quantities used. Estimates of water use based upon meter size will not be accepted. If mobile homes are included in the Permittees multi-family unit category, the information for them does not have to be separated. The information for each category shall include:
   A. Number of dwelling units per category,
   B. Number of domestic metered connections per category,
   C. Number of metered irrigation connections,
   D. Annual average quantities in gallons per day provided to each category, and
   E. Percentage of the total residential water use provided apportioned to each category.
3. **Non-Residential Use** – Non-residential use consists of all quantities provided for use in a community not directly associated with places of residence. For each category below, the Permittee shall include annual average gpd provided and percent of total non-residential use quantities provided. For each category 1 through 6 below, the number of metered connections shall be provided. These non-residential use categories are:
   A. Industrial/commercial uses, including associated lawn and landscape irrigation use,
   B. Agricultural uses (e.g., irrigation of a nursery),
   C. Recreation/Aesthetic, for example irrigation (excluding golf courses) of Common Areas, stadiums and school yards,
   D. Golf course irrigation,
   E. Fire fighting, system testing and other accounted uses,-
   F. K-through-12 schools that do not serve any of the service area population, and
   G. Water Loss as defined as the difference between the output from the treatment plant and accounted residential water use (B above) and the listed non-residential uses in this section.

4. **Water Audit** – The water audit report that is done because water losses are greater than 10% of the total distribution quantities shall include the following items:
   A. Evaluation of:
      1) leakage associated with transmission and distribution mains,
      2) overflow and leakage from storage tanks,
      3) leakage near service connections,
      4) illegal connections,
      5) description and explanations for excessive distribution line flushing (greater than 1% of the treated water volume delivered to the distribution system) for potability,
      6) fire suppression,
      7) un-metered system testing,
      8) under-registration of meters, and
      (0 other discrepancies between the metered amount of finished water output from the treatment plant less the metered amounts used for residential and non-residential uses specified in Parts B and C above, and
   B. A schedule for a remedial action-plan to reduce the water losses to below 10%.
5. **Alternative Water Supplied other than Reclaimed Water** – Permittees that provide Alternative Water Supplies other than reclaimed water (e.g., stormwater not treated for potable use) shall include the following on Part D of the Form:
   A. Description of the type of Alternative Water Supply provided,
   B. County where service is provided,
   C. Customer name and contact information,
   D. Customer's Water Use Permit number (if any),
   E. Customer's meter location latitude and longitude,
   F. Meter ownership information,
   G. General customer use category,
   H Proposed and actual flows in annual average gallons per day (gpd) per customer,
   I. Customer cost per 1,000 gallons or flat rate information,
   J. Delivery mode (e.g., pressurized or non-pressurized),
   K. Interruptible Service Agreement (Y/N),
   L. Month/year service began, and
   M. Totals of monthly quantities supplied.
6. **Suppliers of Reclaimed Water** – Depending upon the treatment capacity of the Permittees wastewater treatment plant, the Permittee shall submit information on reclaimed water supplied as follows:
   A. Permittees having a wastewater treatment facility with an annual average design capacity equal to or greater than 100,000 gpd shall utilize the "SWFWMD Annual Reclaimed Water Supplier Report" in Excel format on the Compact Disk, Form No. LEG-R.026.00 (05/09). The "SWFWMD Annual Reclaimed Water Supplier Report" is described in Section 3.1 of Chapter 3, under the subheading "Reclaimed Water Supplier Report" and is described in detail in Appendix A to Part B, Basis of Review of the "Water Use Permit Information Manual."
   B. Permittees that have a wastewater treatment facility with an annual average design capacity less than 100,000 gpd can either utilize the "SWFWMD Annual Reclaimed Water Supplier Report," Form No. LEG-R.026.00, as described in sub-part (1) above or provide the following information on Part E of the Form:
      1) Bulk customer information:
         a) Name, address, telephone number,
         b) WUP number (if any),
         c) General use category (residential, commercial, recreational, agricultural irrigation, mining),
         d) Month/year first served,
         e) Line size,
         f) Meter information, including the ownership and latitude and longitude location,
         g) Delivery mode (pressurized, non-pressurized).

2) Monthly flow in gallons per bulk customer.
3) Total gallons per day (gpd) provided for metered residential irrigation.
4) Disposal information:
   a) Site name and location (latitude and longitude or as a reference to the service area map),
   b) Contact name and telephone,
   c) Disposal method, and
   d) Annual average gpd disposed.