# Monitoring and Reporting Requirements

Issuance of a Consumptive Use Permit requires that the withdrawals will not be harmful to the water resources, including those of an Outstanding Florida Spring or its spring run, and will not result in unmitigated adverse impacts on existing legal uses of water, and that the use continues to be consistent with the public interest. To ensure that these criteria continue to be met after a permit is issued, monitoring and reporting activities are required by permit conditions. Where appropriate, the District’s monitoring requirements may be satisfied by providing reports required by other agencies.

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## 1.0 Withdrawal Quantity

All consumptive use permittees issued individual permits under rules 40B-2.041 or 40C-2.041, F.A.C., must measure the quantity of water used, diverted or withdrawn from any source in accordance with the requirements of this section. Measuring of actual pumpage provides a means to develop historical records in order to accurately project future reasonable demand, to assess impacts to the resource and existing water and land uses, to enable the District to assess the effectiveness of conservation measures, and to ensure that quantities withdrawn do not exceed permitted allocations. Each source must be measured, and monitoring plans must be developed. However, such monitoring plans need not provide duplicative monitoring of water that is withdrawn from a source for storage and then withdrawn from storage for use.

Whenever flow meters are used, they must maintain at least 95% accuracy (within +/- 5% of actual flow), be verifiable, and be installed according to manufacturer’s specifications. Whenever an alternative method to flow meters is used to measure withdrawals, it must be verifiable and at least 90% accurate (within +/- 10% of actual flow).

### 1.1. Uses Initially Permitted On or After *[Effective Date]*

Applicants for proposed uses of water that will be issued their initial consumptive use or water use permit under rules 40B-2.041 or 40C-2.041, F.A.C., on or after *[effective date]*, with total combined allocations exceeding 100,000 gallons per day on an average annual basis must install in-line totalizing flow meters on all withdrawal points requiring monitoring pursuant to the applicable Applicant’s Handbook incorporated by reference in district rule 40B-2.301 or 40C-2.101, F.A.C., prior to beginning the permitted use. If an applicant demonstrates that it is not economically or technologically feasible to use a flow meter to measure water withdrawals, the District shall approve the use of an alternative method for measuring flow upon a demonstration that the method is verifiable and at least 90% accurate at measuring the withdrawals.

Applicants for uses of water with total allocations less than or equal to 100,000 gallons per day on an average annual basis must install either in-line totalizing flow meters or alternatives to flow meters on all withdrawal points requiring monitoring pursuant the applicable Applicant’s Handbook incorporated by reference in district rule 40B-2.301 or 40C-2.101, F.A.C., prior to beginning the permitted use. If an alternative to flow meters is used to calculate the withdrawal quantity, such method must be fully described and any calculations necessary included with the initial submittal of data, for District staff approval. The District shall accept such alternative method upon a demonstration that the method is verifiable and at least 90% accurate at measuring the withdrawals.

### 1.2. Uses Initially Permitted Prior to *[Effective Date]*

All consumptive use and water use permittees issued initial individual permits under rules 40B-2.041 or 40C-2.041, F.A.C., prior to *[effective date]* must measure the quantity of water used by either installing in-line totalizing flow meters or implementing an alternative for measuring flow within 5 years after *[effective date]*.

If an alternative to flow meters is used to calculate the withdrawal quantity, such method must be fully described and any calculations necessary included with the initial submittal of data, for District staff approval. The District shall accept such alternative methods upon a demonstration that the method is verifiable and at least 90% accurate at measuring the withdrawals. If after a period of one year, the selected alternative fails to accurately measure the withdrawal quantities, in-line flow meters or another alternative must be used.

In addition, in specific cases where the District determines that reporting water use or flow meters are necessary to ensure that the consumptive use complies with the reasonable-beneficial use criteria in subsection 62-41.402(3), F.A.C., reporting water use or flow meters shall be required by permit condition.

### 1.3. Changes to Uses Initially Permitted Prior to *[Effective Date]*

If any individual consumptive use or water use permit issued under rules 40B-2.041 or 40C-2.041, F.A.C., prior to *[effective date]* with total combined allocations exceeding 100,000 gallons per day on an average annual basis is modified or renewed after *[effective date]*, to add new withdrawal points, then in-line totalizing flow meters must be installed to measure any water used from the new withdrawal points prior to beginning the use. In the case of permitted users seeking only an increase in allocation from an existing withdrawal point permitted initially prior to *[effective date]*, the permittee must measure the quantity of water used by either installing in-line totalizing flow meters or implementing an alternative for measuring flow within one year after issuance of the permit that authorized the increase in allocation or within five years of *[effective date]*, which is sooner. The District shall authorize the continued use of an alternative method to measure flow from an existing withdrawal point provided the applicant demonstrates that the alternative being used is verifiable and at least 90% accurate. If an applicant demonstrates that it is not economically or technologically feasible to use a flow meter to measure water from the new withdrawals points, the District shall approve the use of an alternative method for measuring flow upon a demonstration that the alternative method is verifiable and at least 90% accurate at measuring the withdrawals.

## 2.0 Compliance Monitoring

District authorized staff, upon proper identification, shall be provided with an opportunity to perform independent measurements of flow using District monitoring equipment and to inspect system operation to determine compliance with the permit. The District will ensure that the measurements are made in a manner that does not interfere with the permittee's water use activities.

### 2.1. Recording and Reporting Water Use

Total monthly withdrawal quantities shall be recorded continuously by the permittee and totaled monthly. For any permittee with total combined allocations exceeding 100,000 gallons per day on an average annual basis, the monthly totals of water withdrawal must be reported to the District at least every six months (semi-annually) on **Form Number 62-42.300(6)(a) (Water Use/Pumpage Report Form (EN-50))**.

For any individual permittee whose total combined allocation is equal to or less than 100,000 gallons per day on an average annual basis the permittee must annually submit, by January 31, a completed **Form Number 62-42.300(6)(b) (****Annual Statement of Continuing Use)**. Such a permittee shall maintain records of water quantity used on a monthly basis for the life of the permit and shall provide those records to the District when requested by the District. However, a permittee may be required by permit condition to record pumpage on a daily basis from each withdrawal point and report the daily withdrawal totals on a monthly basis to the District when the District determines that special circumstances warrant.

Any required flow meter(s) must be tested for accuracy every 10 years from installation or the last accuracy test, and recalibrated if the meter does not measure within +/-5% of actual flow. **Form Number 62-42.300(6)(c) (****Flow Meter Accuracy Report Form (EN-51))** must be submitted to the District within 10 days of each inspection/calibration.

Any alternative method(s) must be validated every 10 years from its first use or the last accuracy test. **Form Number 62-42.300(6)(d) (****Alternative Method Flow Verification Report Form)** must be submitted to the District within 10 days of each validation.

### 2.2. Compliance Monitoring Exceptions

The water quantity monitoring requirements contained in section 1.0 are not applicable to permits for water uses that do not exceed the thresholds set forth in the Water Use Permit Applicant’s Handbooks incorporated by reference in district rule 40B-2.301 or 40C-2.101, F.A.C., and that only authorize the use of water for landscape irrigation under a general permit by rule.

## 3.0 Special Permit Conditions

In addition to the Standard Limiting Conditions set forth in the Water Use Permit Applicant’s Handbooks incorporated by reference in district rule 40B-2.301 or 40C-2.101, F.A.C., the District may find that special conditions should be applied on a site-specific basis. The following are special conditions which the District may apply:

X. Total withdrawal from well/pump [required field], (Station ID [required field]) must be recorded continuously, totaled monthly, and reported to the District at least every six months for the duration of this permit using Water Use/Pumpage Report Form (EN-50), Form 62-42.300(6)(a). The meter reading or quantity withdrawn must be reported in gallons. Reporting is required, even if there is no use. The reporting dates each year will be as follows:

Reporting Period                     Report Due Date
January - June                        July 31
July - December                     January 31

X. By January 31 each year, the permittee shall submit a completed Annual Statement of Continuing Use, Form 62-42.300(6)(b)) form to the District. The preferred method of submittal is \_\_\_\_\_\_\_\_\_\_\_\_\_.

X. Metered Permittee:

The permittee must have all flow meters checked for accuracy at least once every 10 years, specifically before [insert date], and recalibrated if the difference between the actual flow and the meter reading is greater than 5%. Flow Meter Accuracy Report Form (EN-51), Form 62-42.300(6)(c), must be submitted to the District within 30 days of the inspection/calibration.

In order to ensure that the volume of water withdrawn and recorded by the permittee is accurate to within +/- 5% of actual flow (+/- 10% of flow when using an alternative method), the meter accuracy or flow rate from each withdrawal point must be validated once every 10 years and recorded on either the Flow Meter Accuracy Report Form (EN-51), Form 62-42.300(6)(c),or Alternative Method Flow Verification Report Form, Form 62-42.300(6)(d), (whichever form is applicable).

If Minor Individual Permit, add: The validation documents must be provided to the District upon request.