2023 PSAR Guide: Part A Line 4 Water Treatment Loss



Overview

- What is Water Treatment Loss?
- How to Properly Calculate Water Treatment Loss
- Using the 2023 Flushing Deduction Calculator



What is Water Treatment Loss?

Per 2.3.7 of WUP Applicant's Handbook, water treatment loss is the, "- significant treatment process [loss] associated with making the water potable, such as reject water in desalination, membrane cleaning or back-flush quantities associated with sand filtration systems."

An important note: Water used for line flushing is <u>not</u> considered Water Treatment Loss. It's considered Water Loss. However, to accommodate for utility operations & maintenance line flushing, up to 1% of total treated water volume delivered to the distribution system may be deducted for line flushing.

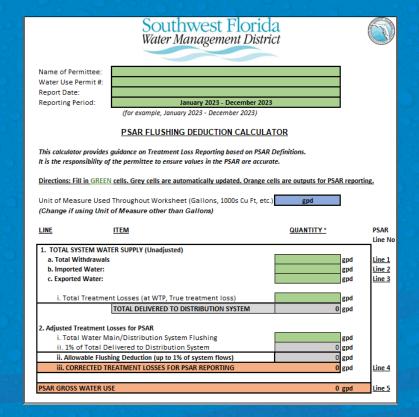


How to Properly Calculate Water Treatment Loss

To ensure that Part A Line 4 Water Treatment Loss is properly calculated, use the 2023 Flushing Deduction Calculator. The calculator can be found on the Section D, Public Supply Annual Reports and Significant Use webpage in the PSAR Resources box.

Even if your utility does not have water treatment loss, we encourage using the calculator as supporting documentation for your PSAR.

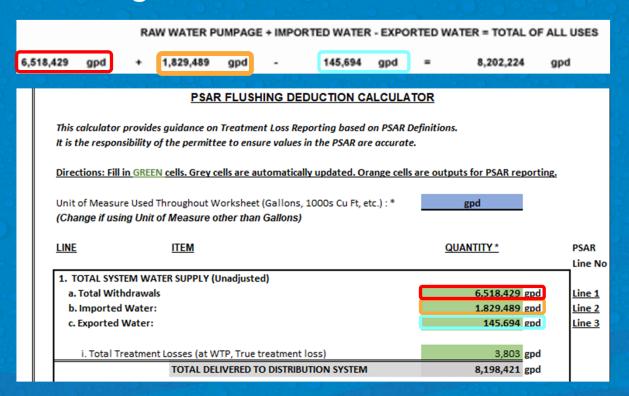
The following slides will illustrate how to use the calculator.





Using the 2023 Flushing Deduction Calculator

- 1. Line 1a: Enter your total withdrawal value downloaded from WMIS. This will be your PSAR Part A Line 1. (For help on obtaining this value, see our 2023 PSAR Guide: Part A Line 1 Total Withdrawal WMIS Pumpage.)
- 2. Line 1b: Enter your total imports value from your supporting documentation. This will be your PSAR Part A Line 2.
- 3. Line 1c: Enter your total exports value from your supporting documentation. This will be your PSAR Part A Line 3.

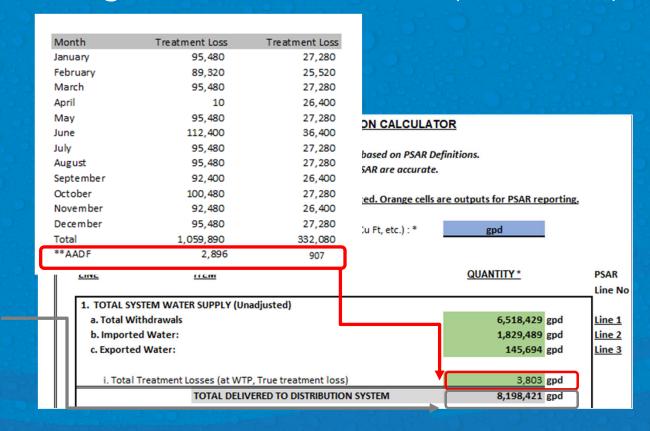




Using the 2023 Flushing Deduction Calculator (Continued)

4. Line 1i: Enter your total treatment loss value from your supporting documentation. This value will <u>not</u> include line flushing.

The value displayed in the following gray cell will autofill with the total gallons per day of potable water delivered to the distribution system.

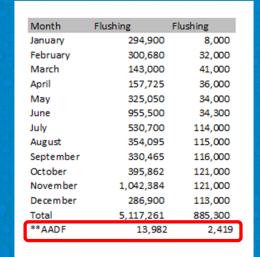


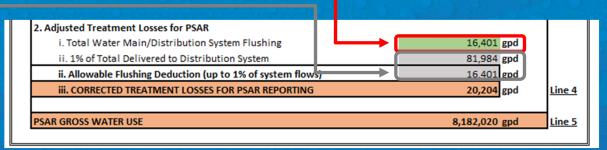


Using the 2023 Flushing Deduction Calculator (Continued)

5. Line 2i: Enter your total line flushing value from your supporting documentation.

The values in the following two gray cells will autofill with calculated values to determine which is less: total flushing or 1% of total water delivered to the distribution system.







Using the 2023 Flushing Deduction Calculator (Continued)

6. CORRECTED TREATMENT LOSSES FOR PSAR REPORTING. The value displayed in the orange cell will autofill to the value above plus the value from Line 1i. Enter this value in Line 4 of your PSAR.

7. PSAR GROSS WATER USE. The value displayed in this cell will autofill with the sum of Line 1a. + Line 1b. - Line 1c. - Line 2iii. Enter this value in Line 5 of your PSAR.

