



**ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION - DRINKING WATER PROGRAM**  
**UV DISINFECTION OPERATOR MONITORING REPORT**  
**SETPOINT APPROACH - ONE SENSOR**



**PWS Name** \_\_\_\_\_

**PWSID** \_\_\_\_\_

Validated Intensity Setpoint \_\_\_\_\_ W/m<sup>2</sup>  
 Validated Maximum Flow Rate \_\_\_\_\_ gal/min

**Month, Year** \_\_\_\_\_

Day	UV Intensity (W/m <sup>2</sup> ) and Flow (gpm)																		Total Run Time (hours)	Total Daily Production (gal)		
	Time	Intensity	Flow	Time	Intensity	Flow	Time	Intensity	Flow	Time	Intensity	Flow	Time	Intensity	Flow	Time	Intensity	Flow				
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**Monthly Sensor Calibration Check**

Date \_\_\_\_\_  
 Duty Sensor (W/m<sup>2</sup>) [A] \_\_\_\_\_  
 Reference Sensor (W/m<sup>2</sup>) [B] \_\_\_\_\_  
 Calibration Ratio =  $\frac{\text{Duty Sensor}}{\text{Ref Sensor}}$  [A / B]

**Calibration Factor<sup>1</sup> (Use only if Calibration Ratio is > 1.2)**

Validated Intensity Setpoint (W/m<sup>2</sup>)   
 Adjusted Intensity Setpoint (W/m<sup>2</sup>)   
 = (Calibration Ratio - 0.2) \* Validated Intensity Setpoint  
 Sensor Status: \_\_\_\_\_

**Compliance Certification**

Total Volume of Off-Specification Water Produced<sup>2</sup> (gal) [C] \_\_\_\_\_  
 Total Volume of Water Produced (gal) [D] \_\_\_\_\_  
 Total Off-Specification Water Produced (% of Volume on a Monthly Basis) [C / D]

**NOTES:**

1. Use Calibration Factor only when Calibration Ratio is greater than 1.2 and another sensor is not available for use.
2. Total monthly off-specification volume to be obtained from Off-Specification Calculation Worksheet

**Date Submitted** \_\_\_\_\_ **Signature of Operator:** \_\_\_\_\_