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| **I. PWS INFORMATION:** | | | | | | | | | | | | |
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| **PWSID#:** |  | | **PWS Name:** | |  | | | | **PWS Town:** |  | | |
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| **Treatment plant name:** | |  | | **Reporting Period:** | |  | **WTP Name:** |  | | | **WTP ID #:** |  |

**II. DUTY SENSOR CALIBRATION**

*Duty sensors must be calibrated at least monthly using a reference sensor and must follow the procedures described in Section 6.4.1.1 of USEPA’s UV Disinfection Guidance Manual. The calibration ratio of the Duty sensor reading to the Reference sensor reading must be ≤ 1.2. The reference sensor must be calibrated at least yearly at a qualified facility.*

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| **Reactor ID No.:** | | | | | | | |
| **Duty Sensor**  **ID No.** | **Ref. Sensor**  **ID No.** | **Calibration Date** | **Previous**  **Cal. Date** | **Duty Sensor**  **(mJ/cm2)** | **Ref. Sensor**  **(mJ/cm2)** | **Calibration**  **Ratio (Duty/Ref)** | **Is Ratio ≤ 1.2?**  **(Y/N)** |
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| **Comments:** | | | | | | | |

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| **Reactor ID No.:** | | | | | | | |
| **Duty Sensor**  **ID No.** | **Ref. Sensor**  **ID No.** | **Calibration Date** | **Previous**  **Cal. Date** | **Duty Sensor**  **(mJ/cm2)** | **Ref. Sensor**  **(mJ/cm2)** | **Calibration**  **Ratio (Duty/Ref)** | **Is Ratio ≤ 1.2?**  **(Y/N)** |
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| **Comments:** | | | | | | | |

**III. TRANSMITTANCE ANALYZER CALIBRATION**

*For reactors using the “Calculated Dose Approach”, transmittance analyzers must be calibrated at least weekly. For reactors using the “Intensity Setpoint Approach”, analyzers must be calibrated at least yearly. Calibration shall be done using a benchtop spectrophotometer and follow the procedures described in Section 6.4.1.2 of USEPA’s UV Disinfection Guidance Manual. The difference between the on-line reading and the grab sample must be ≤ 2% of the UVT. The benchtop spectrophotometer must be maintained and calibrated at the frequency required be the manufacturer.*

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| **Is reactor using “Calculated Dose Approach” (CDA) or “Intensity Setpoint Approach” (ISA)?:** | | | | | | |
| **UVT Analyzer**  **ID No.** | **Reactor**  **ID No.** | **Cal. Date** | **Previous**  **Cal. Date** | **On Line UVT (%)**  **[A]** | **Grab Sample UVT (%)**  **[B]** | **Is [A] – [B] ≤ 2% UVT**  **(Y/N)** |
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| **Comments:** | | | | | | |

**IV. REACTOR FLOW METER CALIBRATION**

*Reactor flow meters must be calibrated at least yearly in accordance with the guidelines of AWWA Standard C700 and AWWA Manual M6.*

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| **Reactor ID No.:** | **Flow Meter ID No.:** | **Calibration Date:** | **Prev. Cal. Date:** |
| **Reactor ID No.:** | **Flow Meter ID No.:** | **Calibration Date:** | **Prev. Cal. Date:** |
| **Comments:** | | | |

**Notes: (1) *This reporting form is for equipment calibration for a total of two (2) reactors. Facilities with more reactors must use additional reporting forms. Equipment calibration reports must be submitted monthly for at least one year upon start-up of a reactor, unless otherwise required by MassDEP. After one year, all equipment calibration reports must be kept at the treatment facility and be made available to MassDEP upon request.***

*I certify under penalties of law that I am the person authorized to fill out this form and the information contained herein is true, accurate and complete to the best of my knowledge.*

***PWS Authorized Signature:***

***Date:***       ***Title:***