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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| I. PWS INFORMATION: | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **PWSID#:** | | |  | | | | **PWS Name:** | | | | | |  | | | | | | | | | **PWS Town:** | | | |  | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Reporting Period:** | | | |  | | | | | | **WTP Name: WTP ID:** | | | |  | | | | **Total # of reactor at WTP:** | | |  | | | | **Date reactor first went online:** | |  |
|  | | | |
|  | | | | | | | | | | |  | | | | | | | | | | | | | | | | |
| **II. UV REACTOR INFORMATION:** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Type of reactor pressure: | | | | | | | | | Medium  Low | | | | | | | | Max. validated flow rate: | | | | | | | MGD or gpm | | | |
| Reactor manufacturer: | | | | | | | | |  | | | | | | | | Min. validated UVT: | | | | | | | % | | | |
| Number of lamps/reactor: | | | | | | | | |  | | | | | | | | Min. required UV Dose: | | | | | | | RED mJ/cm2 | | | |
| Number of sensors/reactor: | | | | | | | | |  | | | | | | | | Min required UV intensity: | | | | | | | mJ/cm2 | | | |
| Target log inactivation: | | | | | | | | |  | | | | | | | | MassDEP validation approval date: | | | | | | |  | | | |
|  | | | | | |  | | | | | | | | | | | | | | | | | | | | | |
| **III. DAILY REPORTING FOR REACTOR ID #** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Day | **Run**  **Time (Hrs.)** | | | | **Total Production (gal or MGD)** | | | **Max. Flow (2)**  **(gpm or MGD)** | | | | **Min. UV**  **Dose(2)**  **(mJ/cm2)** | | **Min. UVT(2)**  **(%)** | | **Off-Spec.**  **Events?**  **(Y/N)?(3)** | | | **Instrument**  **Calibration(4)**  **(“S”,”T” “Q”)** | | | | **Operational Notes**  *(Attach additional sheets as needed)* | | | | |
| 1 |  | | | |  | | |  | | | |  | |  | |  | | |  | | | |  | | | | |
| 2 |  | | | |  | | |  | | | |  | |  | |  | | |  | | | |  | | | | |
| 3 |  | | | |  | | |  | | | |  | |  | |  | | |  | | | |  | | | | |
| 4 |  | | | |  | | |  | | | |  | |  | |  | | |  | | | |  | | | | |
| 5 |  | | | |  | | |  | | | |  | |  | |  | | |  | | | |  | | | | |
| 6 |  | | | |  | | |  | | | |  | |  | |  | | |  | | | |  | | | | |
| 7 |  | | | |  | | |  | | | |  | |  | |  | | |  | | | |  | | | | |
| 8 |  | | | |  | | |  | | | |  | |  | |  | | |  | | | |  | | | | |
| 9 |  | | | |  | | |  | | | |  | |  | |  | | |  | | | |  | | | | |
| 10 |  | | | |  | | |  | | | |  | |  | |  | | |  | | | |  | | | | |
| 11 |  | | | |  | | |  | | | |  | |  | |  | | |  | | | |  | | | | |
| 12 |  | | | |  | | |  | | | |  | |  | |  | | |  | | | |  | | | | |
| 13 |  | | | |  | | |  | | | |  | |  | |  | | |  | | | |  | | | | |
| 14 |  | | | |  | | |  | | | |  | |  | |  | | |  | | | |  | | | | |
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| 16 |  | | | |  | | |  | | | |  | |  | |  | | |  | | | |  | | | | |
| 17 |  | | | |  | | |  | | | |  | |  | |  | | |  | | | |  | | | | |
| 18 |  | | | |  | | |  | | | |  | |  | |  | | |  | | | |  | | | | |
| 19 |  | | | |  | | |  | | | |  | |  | |  | | |  | | | |  | | | | |
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| 21 |  | | | |  | | |  | | | |  | |  | |  | | |  | | | |  | | | | |
| 22 |  | | | |  | | |  | | | |  | |  | |  | | |  | | | |  | | | | |
| 23 |  | | | |  | | |  | | | |  | |  | |  | | |  | | | |  | | | | |
| 24 |  | | | |  | | |  | | | |  | |  | |  | | |  | | | |  | | | | |
| 25 |  | | | |  | | |  | | | |  | |  | |  | | |  | | | |  | | | | |
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| 27 |  | | | |  | | |  | | | |  | |  | |  | | |  | | | |  | | | | |
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| 31 |  | | | |  | | |  | | | |  | |  | |  | | |  | | | |  | | | | |
| TOTAL |  | | | |  | | |  | | | | | | | | | | | | | | | | | | | |
| ***(1)Use a separate form for each reactor. Reactors using the Calculated Dose Approach must submit form UV-CDA.***  ***(2)Flow rate, UV Dose (RED calculated using validation dose-monitoring equation) and UV Transmittance must be monitored and recorded continuously (at least every 5 minutes) The maximum and minimum values for this reporting form are for those recorded at least every five minutes.***  ***(3)Any Off-Specification events must be reported to MassDEP on Form UV-OFF SPEC.***  ***(4)Use the following letters to denote days when UV equipment has been calibrated: “S” = Intensity Sensors, “T” = UV Transmittance Analyzers, “Q” = Reactor Flow Meters. Equipment Calibration Records must be reported to MassDEP on Form UV-CAL.*** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *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 extent of my knowledge.* | | | | | | | | | | | | | | **PWS Authorized Signature:** | | | | | | |  | | | | | | |
| **Date:** |  | | | | | **Title:**  **Email:** |  | | | | | | |
| **Phone:** | |  | | | | | | | | | | | | **Fax:** |  | | | | |  | | | | | | |