

| Site ID | Analyte | Results<br>from two<br>quarters<br>ago<br>(mg/L) | Results<br>from prior<br>quarter<br>(mg/L) | Results<br>from<br>current<br>quarter<br>(mg/L) | Operation Evaluation Level (OEL) (mg/L)  D = (A+B+(2*C))/4 | Mark "x" if Column D Exceeds 0.080 mg/L for TTHMs or 0.060 mg/L for HAA5 |
|---------|---------|--------------------------------------------------|--------------------------------------------|-------------------------------------------------|------------------------------------------------------------|--------------------------------------------------------------------------|
| 2DBP-01 | ттнм    | .055                                             | .054                                       | .081                                            | 0                                                          | .068                                                                     |
|         | HAA5    |                                                  |                                            |                                                 | 0                                                          | :                                                                        |
|         | ТТНМ    |                                                  |                                            |                                                 | 0                                                          |                                                                          |
|         | HAA5    |                                                  |                                            |                                                 | 0                                                          |                                                                          |
|         | TTHM    |                                                  |                                            |                                                 | 0                                                          |                                                                          |
|         | HAA5    |                                                  |                                            |                                                 | 0                                                          | 1                                                                        |
|         | ТТНМ    |                                                  |                                            |                                                 | 0                                                          |                                                                          |
|         | HAA5    |                                                  |                                            |                                                 | 0                                                          | V                                                                        |

3. Source Water Quality – (see chapter 5 of the EPA OEL Guidance Manual) Did source water quality factors contribute to exceedance? (Check all that apply.) Yes  $\square$ No □ Unknown ☐ Point or nonpoint source contamination ☐ Stream flow rates/reservoir lower than normal ☐ New source placed on-line ☐ Heavy rainfall or snowmelt ☐ Stream flow rates/reservoir level higher ☐ Lake or reservoir turnover ☐ Storage time longer than normal ☐ Long-term drought ☐ Inactivation of Giardia and/or viruses high ☐ Algae bloom in source water ☐ Spills of industrial/sewage in the watershed Other/Explain: Type Explanation 4. Treatment Change/Problems – (see chapter 4 of the EPA OEL Guidance Manual) Did water treatment factors contribute to exceedance? (Check all that apply.) No Unknown □ ☐ Problem with clearwell operation ☐ Abnormal flow rates/short-circuiting  $\square$  Sludge blanket/carryover problems ☐ Abnormal influent turbidity ☐ Abnormal influent temperature ☐ Filters operated beyond capacity ☐ Pre-disinfectant added/changed ☐ Excessive filter run-time ☐ Disinfectant feed/leaving the plant(s) higher than ☐ Abnormal pH/Alkalinity normal ☐ Total organic carbon (TOC) removal problems ☐ Increased filter effluent turbidity ☐ DBP precursors (TOC, bromide, etc.) higher than normal ☐ Coagulation/sedimentation problems Other/Explain: Type Explanation



DBP OEL Reporting Form

| 5. Distribution System – (see chapter 3 of the EPA OEL Guidance Manual)                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                        |  |  |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|--|--|--|--|--|--|
| Did distribution system factors contribute to exceedance? (C                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Theck all that apply.)                                 |  |  |  |  |  |  |
| Yes No □ Unknown □                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                        |  |  |  |  |  |  |
| Flushing activities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ☐ High volume customer usage                           |  |  |  |  |  |  |
| ☐ Disinfectant residual lower than normal                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ☐ Water temperature higher than normal                 |  |  |  |  |  |  |
| ☐ Disinfectant residual higher than normal                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ☐ Low volume customer range (contributing to high      |  |  |  |  |  |  |
| ☐ Water quality at master meter exceeds MCL                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | water age)                                             |  |  |  |  |  |  |
| ☐ Fires or hydraulic disturbance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ☐ Valves operated in vicinity                          |  |  |  |  |  |  |
| ☐ Booster chlorination                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ☐ Breaks or line replacements                          |  |  |  |  |  |  |
| Other/Explain: Type Explanation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                        |  |  |  |  |  |  |
| 6. Storage Tank Operations – (see chapter 3 of the EPA OEL Guidance Manual)                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                        |  |  |  |  |  |  |
| Did water storage operations/factors contribute to exceedance? (Check all that apply.)                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                        |  |  |  |  |  |  |
| Yes No □ Unknown □                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                        |  |  |  |  |  |  |
| ☐ Tank removed from service                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ☐ Improper level fluctuations                          |  |  |  |  |  |  |
| ☐ Tank cleaned/maintenance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Excessive storage capacity                             |  |  |  |  |  |  |
| ☐ Excessive tank draw-down                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ☐ Excessive ambient temperature                        |  |  |  |  |  |  |
| ☐ Tank upstream from sample site                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ☐ Disinfectant residual low in tank                    |  |  |  |  |  |  |
| ☐ Operated last in—first out                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ☐ Disinfected raw water stored for unusually long time |  |  |  |  |  |  |
| Other/Explain: Type Explanation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                        |  |  |  |  |  |  |
| <ol> <li>Indicate steps that could be considered to minimize future TTHM and/or HAA5 exceedances – (see chapter 6 of the EPA OEL<br/>Guidance Manual)</li> </ol>                                                                                                                                                                                                                                                                                                                                                 |                                                        |  |  |  |  |  |  |
| (Attach additional pages if necessary.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                        |  |  |  |  |  |  |
| Due to infrastructure design issues, classification issues of the first user which require higher Cl2 requirements for contact time, over built distribution system, until new infrastructure is installed it has and will contribute to be an issue with exceedance of MCL. City has just recently completed a full distribution flush, lowered the storage tank levels due to less fire risk now that the summer drought has passed, and has hired more staff to facilitate more frequent water line flushing. |                                                        |  |  |  |  |  |  |

For questions about the TTHM/HAA5 OEL, contact your State/County/Ag regulatory contact. More information about OELs can be found at

http://public.health.oregon.gov/HealthyEnvironments/DrinkingWater/Rules/Stage2/Pages/opeval.aspx