



STAGE 2 OPERATIONAL EVALUATION – DISTRIBUTION SYSTEM

State Form 55261 (4-13)
Indiana Department of Environmental Management
Office of Water Quality – Drinking Water Branch – Compliance Section

IDEM – Drinking Water Branch

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INSTRUCTIONS:

1. Complete this form.
2. Complete Stage 2 Operational Evaluation - Treatment Process.
3. Complete Stage 2 Operational Evaluation - Source Water.
4. Complete Stage 2 Operational Evaluation - Summary.
5. Submit all 4 forms to IDEM.

PWSID: IN _____ **Water System Name:** _____

Address (number and street): _____

City: _____ **State:** _____ **ZIP:** _____

Report Prepared By: _____ **Date (month, day, year):** _____

Telephone Number: _____ **Fax Number:** _____

Email: _____

Q1. Do you have disinfectant residual or temperature data where you experienced the Operational Evaluation Level (OEL) exceedance? ☐ Yes ☐ No

If NO, proceed to Q2. If YES, answer the following questions for the period in which an OEL exceedance occurred:

Was the water temperature higher than normal for that time of the year at that location? ☐ Yes ☐ No

Was the disinfectant residual lower than normal for that time of the year at that location? ☐ Yes ☐ No

Was the disinfectant residual higher than normal for that time of the year at that location? ☐ Yes ☐ No

Q2. Did you have maintenance records available for the time period just prior to the OEL exceedance? ☐ Yes ☐ No

If NO, proceed to Q3. If YES, answer the following questions:

Did any line breaks or replacements occur in the vicinity of the exceedance? ☐ Yes ☐ No

Were any storage tanks or reservoirs taken off-line and cleaned? ☐ Yes ☐ No

Did flushing or other hydraulic disturbances (e.g. fires) occur in the vicinity of the exceedance? ☐ Yes ☐ No

Were any valves operated in the vicinity of the exceedance? ☐ Yes ☐ No

Q3. If your system is metered, do you have access to historical records showing water use at individual service connections? ☐ Yes ☐ No ☐ N/A

If NO or N/A, proceed to Q4. If YES, was the overall water usage in your system unusually low, indicating higher than normal water age? ☐ Yes ☐ No

Q4. Do you have high-volume customers in your system (e.g. an industrial processing plant)? ☐ Yes ☐ No

If NO or N/A, proceed to Q5. If YES, was there a change in water use by a high-volume customer? ☐ Yes ☐ No

Q5. Is there a finished water storage facility hydraulically upstream from the monitoring location where you experienced the OEL exceedance? ☐ Yes ☐ No

If NO, proceed to Q6. If YES, review storage facility operations and water quality data to answer the following questions for the period in which the OEL exceedance occurred:

Was a disinfectant residual detected in the stored water or at the tank outlet? ☐ Yes ☐ No

Do you know of any mixing problems with the tank or reservoir? ☐ Yes ☐ No

Does the facility operate in "last in-first out" mode? ☐ Yes ☐ No

Was the tank or reservoir drawn down more than usual prior to OEL exceedance, indicating a possible discharge of stagnant water? ☐ Yes ☐ No

Was there a change in water level fluctuations that would have resulted in increased water age within the tank reservoir? ☐ Yes ☐ No

Q6. Does your system practice booster chlorination? ☐ Yes ☐ No

If NO, proceed to Q7. If YES, was there an increase in booster chlorination feed rates? ☐ Yes ☐ No

Q7. Did you have customer complaints in the vicinity of the OEL exceedance? ☐ Yes ☐ No

If NO, proceed to Q8. If YES, explain in further detail (*attach additional sheets if necessary*):

Q8. Did concern about complying with a rule other than the Stage 2 DBP Rule, such as the Lead and Copper rule, the Total Coliform Rule, or any other rule constrain your options to reduce the DBP levels at this site? For example, is your ability to control DBP levels in the distribution system limited by the need to maintain a detectable disinfectant residual?

☐ Yes ☐ No

If NO, proceed to Q9. If YES, explain in further detail (*attach additional sheets if necessary*) and consult EPA's *Simultaneous Compliance Guidance Manual* for alternative compliance approaches:

CONCLUSION

Q9. Did the distribution system cause or contribute to the OEL exceedance(s)? ☐ Yes ☐ No

☐ Possibly

If YES or POSSIBLY, explain in further detail:

Total number of pages (including attachments) submitted: _____