

Microbial AWOP Certification Criteria:

- Meet all Microbial Optimization Goals for the calendar year.
- No turbidity violations for the calendar year.

Gold Seal Recognition:

- Meet all goals 100% of readings.

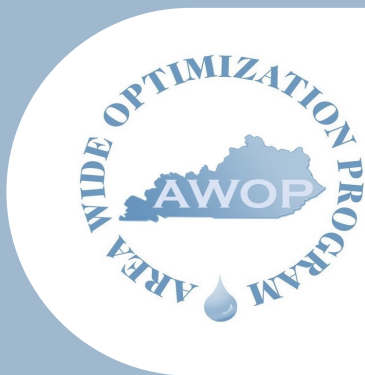
REQUIREMENTS:

- Submit a letter of commitment outlining system goals to drinking water technical assistance (DWTA) and post system goals at facility.
- Fill out mor AWOP page or complete the turbidity optimization spreadsheet and submit electronically to the appropriate DWTA contact.

GUIDELINES:

- Optimization is based on the daily maximum values recorded for all readings.
- Record maximum daily raw water turbidity.
- Record individual sedimentation basin effluent turbidity readings at least every 4 hours and report the daily maximum.
- Monitor individual and combined filter effluent on-line continuously and report the daily maximum.
- Post Backwash for Individual Filters:
 - ♦ With Filter-to-Waste: Return filter to service at ≤ 0.10 NTU.
 - ♦ Without Filter-to-Waste: Maximum effluent ≤ 0.30 NTU and achieve ≤ 0.10 NTU within 15 minutes.

*An alternative settled water turbidity goal may be assigned based on design criteria.



Kentucky Division of Water Microbial Area-Wide Optimization Program (Conventional Filtration)

**Microbial Champion Award Criteria:**

- No SDWA violations (M/R or TT) for the 3 year evaluation timeframe.
- Meet Microbial optimization criteria for 3 consecutive years.
- No exclusion based on prior receipt of the Microbial Champion Award.

Special Points of Interest:

- Optimization strives for excellence beyond regulatory requirements and provides increased public health protection.

Parameter	Goal
Settled Water Turbidity*	≤ 2.0 NTU 95% of readings if raw water annual average is >10 NTU ≤ 1.0 NTU 95% of readings if raw water annual average is ≤ 10 NTU
Individual Filter Effluent Turbidity	≤ 0.10 NTU in 95% of readings
Combined Filter Effluent Turbidity	≤ 0.10 NTU in 95% of readings

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