

## **Instructions for Completing the Monthly Operating Log (MOL): Membrane Turbidity Monitoring**

### **General**

Each public water system that uses a surface water source, in whole or in part, must maintain the Monthly Operating Log (Membrane Turbidity Monitoring). The monthly operating log does not have to be submitted to Ohio EPA, DDAGW.

### **Instructions for Completing Log:**

- (A) Public Water System Name: Print or type name of Public Water System (PWS)
- (B) PWS ID: Enter the PWS ID Number
- (C) STU ID: Enter the STU ID Number
- (D) Reporting Period: Enter the Month and Year in which data was collected

### **Turbidity Monitoring Results**

- (E) Membrane No.: Enter Membrane Unit Number
- (F) Total Hours Filtering: Enter the total hours water was filtered for the day
- (G) Maximum Turbidity (NTU): Enter the maximum turbidity value (in NTU) for the day
- (H) Number of Hours Results were Recorded: Enter the total number of hours that membrane effluent turbidity was monitored by a continuous monitoring device for the day (to the nearest 0.1 of an hour)
- (I) Total Hours Filtering: Enter the total number of hours (to the nearest 0.1 hour) that the membrane unit filtered water
- (J) Maximum Turbidity (NTU): Enter the maximum turbidity value for the month
- (K) Number of Hours Results were Recorded: Enter the total number of hours (to the nearest 0.1 hour) that membrane effluent turbidity was monitored by a continuous monitoring device for the month

### **Results Exceeding 0.15 NTU**

- (L) Membrane No.: Enter membrane unit number that exceeded 0.15 NTU
- (M) Date: Enter the date that membrane unit exceeded 0.15 NTU
- (N) Time: Enter the time that membrane unit exceeded 0.15 NTU
- (O) Turbidity (NTU): Enter the turbidity result (value) that exceeded 0.15 NTU. OAC 3745-81-68(K)(4)(d) states "If indirect integrity monitoring includes turbidity and if the filtrate

turbidity readings are above 0.15 NTU for a period greater than fifteen minutes (i.e., two consecutive fifteen-minute readings above 0.15 NTU), direct integrity testing shall immediately be performed on the associated membrane unit as specified in (K)(3)(a) to (K)(3)(f) of this rule.”

- (P) Duration (0.1 hrs): Enter the duration that the membrane unit exceeded 0.15 NTU. OAC 3745-81-68(K)(4)(d) states “If indirect integrity monitoring includes turbidity and if the filtrate turbidity readings are above 0.15 NTU for a period greater than fifteen minutes (i.e., two consecutive fifteen-minute readings above 0.15 NTU), direct integrity testing shall immediately be performed on the associated membrane unit as specified in (K)(3)(a) to (K)(3)(f) of this rule.”

**Operator of Record** Print the name and certification number of the Operator of Record, the signature of the Operator of Record and the date the report was completed