

## IESWTR Turbidity Report

### NOTES

This form is available from the DEP web site at <http://www.state.nj.us/dep/watersupply>

This form applies to all community and all non-community water systems using surface water or groundwater under the direct influence of surface water (surface water systems) and replaces the existing Surface Water Treatment Rule form BSDW-15.

In accordance with State regulation NJAC 7:10-9.2(a)3 the 0.3NTU combined filter effluent turbidity limit applies to ALL filtration plants that treat surface water or groundwater under the direct influence of surface water, including but not limited to, conventional, direct filtration, slow sand filtration and diatomaceous earth filtration.

#### Table A

##### **To be completed by all surface water systems.**

Enter the number of hours the treatment plant operated in the month in column 1, and if using the excel version of this form, the required number of measurements (samples) is calculated in column 2. Otherwise the number required is total number of hours operated ÷ 4 (sample every four hours).

Enter the actual number of measurements in column 3 and the number exceeding 0.3NTU in column 4 and if using the excel version of this form, the percentage will be calculated in column 5 and compliance determined and if necessary the check box will be checked.

If any measurements exceed 1NTU the total number of exceeding measurements must be entered in column 6 and the duration (hours) that the effluent remained above 1NTU entered in column 7. If using the excel version of this form upon entering a value greater than 0 the compliance check box will be checked. The individual combined effluent turbidity measurements, which were > 1NTU must be recorded in table B.

#### Table B

##### **To be completed by all surface water systems which exceed 1NTU in the combined effluent.**

Record in this table ALL combined effluent turbidity measurements including date and time that exceed 1NTU. Use the Individual Filter Exception Report if a continuation sheet if necessary and record “COMBINED” in the Filter Number box.

#### Table C

##### **To be completed by all surface water systems serving a population ≥ 10,000 (Optional for the others).**

The results of the individual filter turbidity meters do not need to be reported unless there has been an exceedance of the individual filter turbidity limits. These are specified in table C and if exceeded you are required to check each applicable box and there can be more than one box checked. **If ANY box is checked then the Individual Filter Exception Report BSDW – 23 must be completed.**

#### Table D

##### **To be completed by all surface water systems serving a population ≥ 10,000 (Optional for the others).**

Turbidimeters must be calibrated in accordance with manufacturer specified procedures and the first three columns are for recording date, method, and applicable filter number’s (if all meters calibrated then enter ALL) calibrated that month.

If there was a failure of a turbidimeter that required grab sample(s) to be taken (failure exceeding four hours) then this check box should be checked. In addition if the failure exceeds 24hrs then the start and finish dates and times of the failure along with the filter number should be recorded. If it was the combined filter effluent turbidimeter that failed record the filter number as “Combined”.

## Individual Filter Exception Report

### NOTES

This form is available from the DEP web site at <http://www.state.nj.us/dep/watersupply>

This form applies to surface water & groundwater under the influence of surface water systems (surface water systems) serving a population of  $\geq 10,000$ .

This form to be used whenever one or more of the “Individual Filter Turbidity Exceedances Report” check boxes are checked on the IESWTR Turbidity Report BSDW-22.

A separate form must be used for each filter that had turbidity exceedances.

For the applicable filter enter the date, time, and turbidity value of each exceedance that occurred. If necessary use an additional form if there is insufficient space in the table.

If the filter had turbidity  $> 1.0$  NTU in two consecutive measurements 15 minutes apart or the filter had turbidity  $> 0.5$  NTU in two consecutive measurements 15 minutes apart after the first four hours of operation, a filter profile must be completed within seven days of the exceedance, unless there is an obvious reason for the exceedance.

This form allows you to report the “obvious reason” or to check the applicable box to certify that the filter profile was completed. The profile should not be sent with this form, but retained on site for inspection.

This form may be used as a continuation sheet for the combined filter effluent results that exceed 1NTU. In which case the Filter Number box should record “COMBINED”.