

Ohio EPA Policy	Thermal Discharge Requirements	
DSW-0100.006 Removed	Statutory references: Rule references:	Ohio EPA, Division of Surface Water Revision 0, August 1, 1988 Revision 1, February 23, 1989 Revision 2, September 30, 1999 Removed, December 21, 2006
THIS POLICY DOES NOT HAVE THE FORCE OF LAW Pursuant to Section 3745.30 of the Revised Code, this policy was reviewed and removed.		

This policy does not meet the definition of policy contained in Section 3745.30 of the Ohio Revised Code. Ohio EPA is removing this document from the Division of Surface Water Policy Manual and is considering addressing this topic in a future rulemaking.

For more information contact:

Ohio EPA, Division of Surface Water
Permits & Compliance Section
P.O. Box 1049
Columbus, OH 43216-1049
(614) 644-2001

Ohio EPA Policy	Thermal Discharge Requirements	
DSW-0100.006	Statutory references: ORC 6111.03, ORC 6111.041	Ohio EPA, Division of Surface Water Revision 0, August 1, 1988
Final	Rule references: OAC 3745-33-05, OAC 3745-1-07 Table 7-1, Table 7-13	Revision 1, February 23, 1989 Revision 2, September 30, 1999
<p>THIS POLICY DOES NOT HAVE THE FORCE OF LAW</p> <p>Pursuant to Section 3745.30 of the Revised Code, this policy was reviewed on the last revision date.</p>		

Purpose

To provide consistent NPDES temperature monitoring requirements and effluent limitations for cooling water discharges. The decision criteria flow chart is designed to allow some flexibility if appropriate.

Background

NPDES permits must ensure that ambient water quality standards are maintained. The water quality standards contain temperature standards that vary according to aquatic life use designation and the river basin. Industrial cooling water discharges may pose risks to the aquatic environment if attainment of the temperature criteria is not ensured. The Agency will process permit applications involving cooling water discharge using the procedures in this policy to ensure the temperature standards are maintained.

Procedure

The flow chart (attachment 1) contains the criteria for establishing temperature limits for Warmwater Habitat streams. If the immediate receiving stream is a ditch, storm sewer or zero-low flow stream, and the distance to a permanent stream is less than 1 mile, the criteria should be applied to the permanent stream. If the distance to the permanent stream is 1 mile or greater, temperature limits are not required. If temperature limits are required to be included in an NPDES permit as a result of the flow chart, the water quality standards for the river basin must be reviewed. For summer and winter limits, include only the highest average and daily maximum standard for each season. Temperature limits should be listed as whole numbers.

If the receiving stream is designated Coldwater Habitat, Exceptional Warmwater Habitat or State Resource Water, temperature limits must be placed on all cooling water discharges. Include the appropriate highest average and daily maximum water quality standards for each month of the year. Cooling water discharges to streams designated Nuisance Prevention or Limited Resource Water do not need temperature limits.

When temperature is limited in the permit, the monitoring frequency should be daily for discharges of 50,000 gallons per day or more, and weekly for discharges less than 50,000 galls per day.

All non-contact cooling water outfalls should have the following statement on the effluent page:
 "This discharge is limited to non-contact cooling water free from process waste and other contaminants."

Any permit for a cooling water discharge must contain the following cooling water additives statement as a condition in Part II of the permit:

"In the even the permittee's operation shall require the use of cooling water treatment additive(s), written permission must be obtained from the Ohio Environmental Protection Agency before the permittee uses the additive(s). The permittee shall demonstrate that the use of the additive(s) in the concentrations expected will not be harmful or inimical to aquatic life as determined by acute static bioassays."

Related Policy or guidance

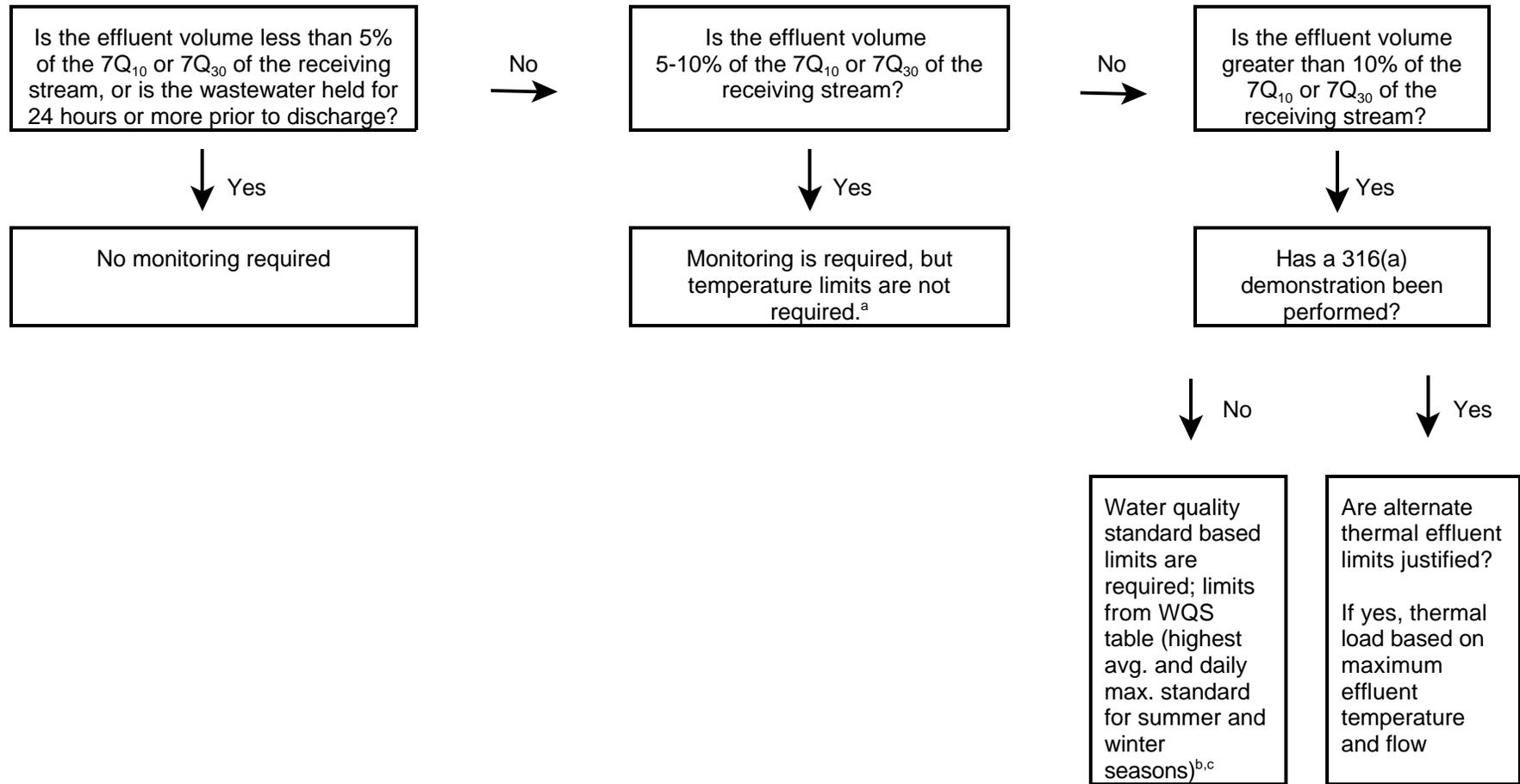
Procedure for Submitting Requests to Obtain Approval to Use Recirculating Water, Boiler Water and Non-contact Cooling Water (NCCW) System Additives (DSW-0100.022)

For more information contact:

Ohio EPA, Division of Surface Water
Industrial Permit group leader
P.O. Box 1049
Columbus OH 43216-1049
(614) 644-2001

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ATTACHMENT 1



^a In some situations, temperature limits may be required if effluent temperature great exceeds water quality standards (WQS) limits and adverse impact on water quality is evident. In these cases, net limits or thermal loading should be used.

^b In a few situations, WQS-based limits may not be appropriate based on intake/effluent temperature data (i.e., temperature of surface water intake exceeds WQS). In these cases, alternate temperature limits should be used such as net limits or thermal loading.

^c Summer is May through October; Winter is November through April.