Ohio EPA Policy	**Permits to Install; Installation of Surge Tanks**	
DSW-0200.006 **Removed**	Statutory reference: Rule reference:	Ohio EPA, Division of Surface Water Revision 0, August 1, 1988 Removed, April 30, 2003
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

THIS POLICY DOES NOT HAVE THE FORCE OF LAW

Permits to Install; Installation of Surge Tanks

PURPOSE: To provide guidelines for the installation of Surge Tanks.

POLICY: General Requirements

1. In-system surge tanks shall be approved as a "temporary" system only. All approvals shall contain a standard condition in the permit to install stating as much.

2. The public entity shall commit to rehabilitate and/or expand the existing inadequate sewer system within a maximum of five years.

3. The public entity shall own the in-system surge tanks and be responsible for the operation and maintenance.

GUIDELINES: Design Requirements

1. Isolation: Since no open tanks will be permitted, a minimum of 150 feet isolation distance should be maintained. If, due to space limitations, the 150 feet isolation distance cannot be provided, the minimum isolation distance shall be 50 feet from the closest building.

2. Aeration: Dual blowers shall be required. The normal air requirement of 2 cfm per 1000 gallons of storage shall be maintained (see Section 5.02). Blowers shall be housed.

3. Anti-flotation: Pressure relief valves shall not be allowed. Anti-flotation shall be achieved by alternate methods, such as providing perimeter drain tile system, etc.

4. Capacity: At least two days detention time shall be provided. This allows at least one day to service, repair, and/or replace the pumps or controls

5. Pumps: Design requirements shall confirm to standards for pump stations (Section 5.02) and shall be sized to completely pump tank contents over a designated time during low flow periods in the sewer (i.e., after midnight, early morning, etc.).

6. Controls and Alarms: These will conform to standards for pump stations and shall provide a 24-hour timer to prevent pumping during peak flow periods. The timers must be checked regularly by the public entity to assure their accuracy. Also, a visual "pump running" indicator should be provided.

7. Overflow: An emergency overflow line is optional. If it is provided, it shall be constructed to provide gravity flow to the nearest manhole. With two days storage capacity, it may not be absolutely necessary to provide an emergency overflow.

8. Standby Power: Not needed with two day storage capacity.

9. Access: A paved access road shall be provided. Also, a security fence or lockable covers and housing (if installed above ground) shall be provided.

10. Other: If a large portion of the flow will be from a food service operation, a trash trap ahead of the surge tank shall be provided. Trash traps shall be sized in accordance with the appendix to Section 5.02.

Operation and Maintenance

1. The air diffusers shall be of a removable type.

2. A hydrant shall be available for clean-up purposes. A sloped tank bottom towards the sump pump is desirable.

3. If the top of the tank is sealed, the air will be vented into the sewer through the inlet and emergency overflow (if needed) pipes.