

SOURCE WATER PROTECTION PLANNING

15A NCAC 18C .1305 Effective January 1, 2019

Every supplier of water operating a public water system treating and furnishing water from a surface water source shall create and implement a Source Water Protection Plan (SWPP).

COMPLIANCE SCHEDULE

System Specifications	Single source of supply AND Susceptibility rating of higher or moderate	Compliance Date	January 1, 2021
	Multiple sources of supply AND <u>Any</u> susceptibility rating of higher		January 1, 2022
	All other water systems		January 1, 2023

Any public water supply system that begins treating and furnishing water from a surface water source on or after January 1, 2021 shall create and implement a SWPP prior to commencement of operations

SWPP REQUIREMENTS

Potential Contaminant Sources	All Systems
	<p>1) Listing of potential contaminant sources, both provided by the Division and identified, located in the following areas:</p> <ul style="list-style-type: none"> a) entire watershed for waters classified as WS-1 b) critical area <u>and</u> 1,000 ft. from perennial streambanks within protected area for waters classified as WS-II, WS-III, and WS-IV c) within 1/2 mile from the normal pool elevation in which the intake is located, <u>or</u> to the ridge line of the watershed, whichever comes first, for a reservoir within waters classified as WS-V; and d) within 1/2 mile, measured as a straight line, upstream from and draining to the intake located directly in the stream or river, <u>or</u> to the ridge line of the watershed, whichever comes first, for a direct-stream intake within waters classified as WS-V
Contingency Strategy	Community Water Systems
	<p>A contingency strategy that documents the system's planned response to an emergency event or contamination of its water source(s) that includes the following:</p> <ul style="list-style-type: none"> a) identification and contact info. Of personnel responsible for emergency management, including water system, local, State, and federal emergency response personnel; b) identification of foreseeable natural and human-caused emergency events including water shortages and outages; c) description of emergency response strategies for each identified shortage or outage event <u>and</u> each potential contamination event associated with PCSs identified and listed d) SOPs to close intakes and switch to an alternate intake during a contamination event, including procedures that outline exercises designed to practice closure and switching of intake(s) e) description of public notification procedures; and f) identification and evaluation of all facilities and equipment that upon failure would result in a water outage or violations of the Rules Governing Public Water Systems, 15A NCAC 18C.

Contingency Strategy	Non-Transient and Non-Community Water Systems
	The contingency strategy shall contain the positions and phone numbers of responsible persons to contact in the event of an emergency, including water system, local, State, and federal emergency contacts.

Additional Plan Requirements for All Systems

System Evaluation	An evaluation of a water system's ability to take the following actions: <ul style="list-style-type: none"> a) close its water intake(s) in the event of contamination, including a determination of the duration of time the water intake(s) can remain closed while maintaining positive water pressure within the distribution system; b) isolate or divert contaminated water from its surface water intake(s); c) reduce demand by implementing conservation measures during a contamination event. Water Shortage Response Plans can be referenced to fulfill this requirement . d) meet demand via alternate sources of supply in the event of contamination or loss of its primary water source.
Communication with PCSs	Verification of outreach efforts provided to the owners of the PCSs identified to raise awareness of the proximity of the drinking water intake(s) and provide emergency contact information for use during a contamination event.
Management Strategies	A description of proactive activities and management strategies designed to protect the source(s) from contamination, including documentation of any voluntary source water protection activities that have been implemented by the water system.
Public Awareness	Description of public awareness communication efforts that include the following: <ul style="list-style-type: none"> a) publication of the emergency and source water protection planning status, the next revision date, and b) notification to any other public water system to which the system is directly interconnected of the contingency strategies. A description of this communication shall be maintained by the SWPP.

- The supplier of water shall maintain a copy of the current SWPP onsite at each water treatment facility and make the SWPP available to personnel responsible for emergency management and operator(s) on duty at all times. The SWPP and any associated documentation used in its creation and implementation shall be available for review by Section Staff upon request.
- The supplier of water shall certify that a SWPP has been created and implemented, and that the water system's governing body has been advised of the SWPP creation and implementation. The certification shall be submitted to the Department by the specified compliance date.
- The supplier of water shall certify that a SWPP has been revised and that the water system's governing body has been advised of the revision. The certification shall be submitted to the Department by the revision deadline.