

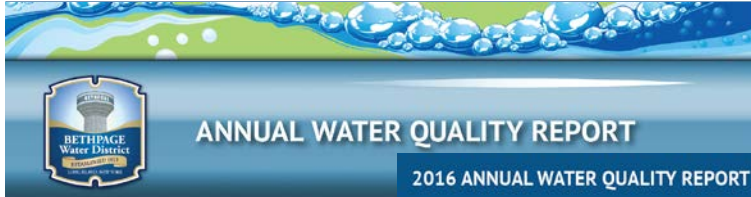
Naval Weapons Industrial Reserve Plant Bethpage

Drinking Water and Groundwater Quality in the Bethpage Area



Is the tap water safe to drink?

Yes, the tap water is safe to drink in the Bethpage Area. The water districts treat and monitor the groundwater to ensure the water provided to consumers meets all regulatory standards. Current data for each of the water districts can be found in their Consumer Confidence Reports issued by the water districts on an annual basis.



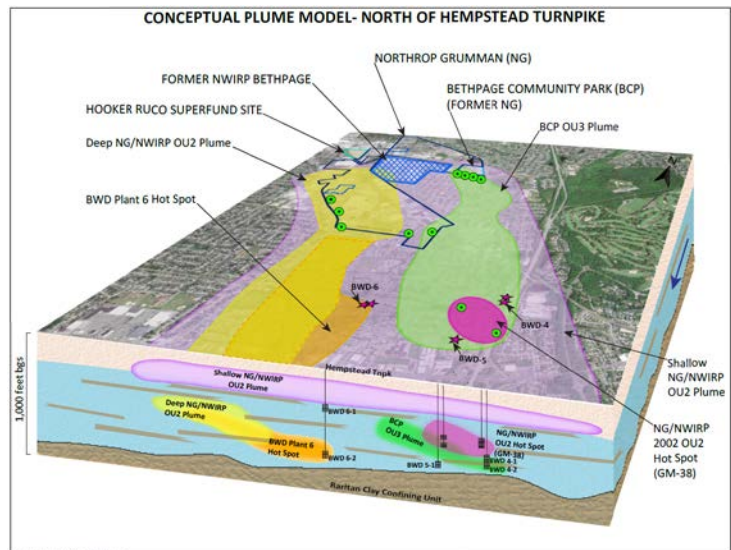
As indicated in the 2016 Bethpage drinking water quality report :

“We are happy to report that the District’s water supply is in full compliance with all Federal, State and County regulations and that no violations exist.”

Why is the groundwater an issue?

Groundwater on Long Island is the primary source of drinking water for several million people. Historic household, commercial and industrial operations have resulted in contamination in portions of the groundwater. The contaminants include bacteria, pesticides, herbicides, fertilizers, metals, solvents, and fuels and may require treatment of the groundwater before it can be used as drinking water.

Operations at the former Naval Weapons Industrial Reserve Plant (“NWIRP”) and the surrounding Northrop Grumman (NG) property have contributed to groundwater contamination, and in particular, solvent contamination. The Navy is only responsible for contamination associated with historic operations at the former NWIRP Bethpage.



Navy is implementing its Record of Decision to protect Bethpage Area groundwater by focusing on three main objectives:

- Identify and address off-property hot-spot (or concentrated) areas of contamination in the groundwater
- Install wells to provide a 5-year warning before contaminated groundwater impacts public water supply wells
- Fund construction and operation of wellhead treatment at public water supply plants, as needed

What is the status of the Navy addressing this contamination?

The Navy, with support from the New York State Department of Environmental Conservation, New York State Department of Health and U.S. Environmental Protection Agency has thoroughly evaluated options for treating the off-site groundwater contamination from the Northrop Grumman operations at the former NWIRP Bethpage.

- **Complete hydraulic containment of the plume is not feasible. This conclusion was confirmed through a review from multiple technical experts outside of the Navy.**
- Wellhead treatment has been installed and is operating at five drinking water plants. Additional wellhead treatment may be required to protect other water supplies as the groundwater contamination continues to migrate.
- Northrop Grumman’s On Site Containment System is intended to prevent contamination from migrating off the former manufacturing properties. Downgradient monitoring wells are in place to verify the effectiveness of this system and to warn about potential migration of additional contamination off-property.
- Two groundwater hotspots have been identified:
 - A treatment system has been operational at the GM-38 hotspot area since 2009
 - Currently designing and will install a treatment system for the RE-108 hotspot area

