A public comment draft Health Consultation report has been prepared for the Northrop Grumman/Naval Weapons Industrial Reserve Plant (NWIRP) facilities located in Bethpage, Nassau County, and Calverton, Suffolk County, Long Island, New York.

This community fact sheet provides a brief summary of conclusions from that document. Copies of the full health consultation, which includes background information, are available on-line or by calling the NYSDOH (see Agency Contact Information on last page).

A health consultation is a review of available environmental and/or health information prepared in response to a specific health or exposure issue. This health consultation was prepared in response to a petition letter sent to ATSDR by a Patchogue, Long Island resident who expressed concerns that residents could be exposed to contaminants in groundwater that originated from the Northrop Grumman/NWIRP facilities. Historical waste handling practices used by industries on Long Island included disposal of wastes into unlined surface or sub-surface impoundments such as cesspools or septic systems. These practices often resulted in groundwater contamination. In this health consultation, available historic and recent analytical data on regulated contaminants in public water supply wells and area monitoring and irrigation wells were evaluated to determine if these drinking water or air exposures could cause harm to human health.

Based on this evaluation of regulated contaminants, the following conclusions are presented in the health consultation:

- Currently, drinking or using water from the public water supplies affected by the Northrop Grumman/NWIRP facility in Bethpage, Nassau County, is not expected to harm people’s health.
- In the past, and prior to installation of treatment systems to remove volatile organic compounds, use of drinking water contaminated with trichloroethene from the Bethpage Water District Well 6-1 could have harmed people’s health. Past long-term ingestion and inhalation exposure to tetrachloroethene and 1,1,1-trichloroethane in Bethpage Well 6-1 is not expected to have harmed people’s health.
- Past long-term ingestion and inhalation exposure to trichloroethene in the other public water supplies (other than Bethpage Well 6-1) affected by Northrop Grumman/NWIRP facility in Bethpage is not expected to have harmed people’s health.
- Exposure to facility related contaminants through the use of unpermitted private wells may have occurred, however such exposures are unlikely.
- Currently, drinking or using water from public water supplies in Calverton, Suffolk County, is not expected to harm people’s health.
- Past use of drinking water from the Peconic River Sportsman Club private well (Suffolk County) is not expected to have harmed people’s health.

The report describes the following next steps:

Recent data for one compound, 1,4-dioxane, indicate it is present in public drinking water supplies, including those within the Northrup Grumman/NWIRP facility plume, and community concern has been voiced regarding this compound. The public health implications of the 1,4-dioxane data are not evaluated in this health consultation. NYSDOH and NYSDEC are committed to the evaluation and future regulation of this compound in drinking water.
The NYSDOH will continue to work with NYSDEC and County Health agencies, as well as with the NYS Drinking Water Quality Council to evaluate 1,4-dioxane data collected by public water supply systems to determine whether further public health actions are needed to reduce drinking water exposures to 1,4-dioxane.

The NYSDOH will work with the NYSDEC and with the Nassau County Health Department (NCDOH) to ensure that the stipulations set forth in the OU2 and OU3 RODs are met and that all impacted and threatened public water supply systems continue to comply with the New York State Part 5 Drinking Water Regulations (Part 5) and federal public drinking water standards.

In addition, as part of an expanded engineering investigation and groundwater modeling effort underway since early 2017, the NYSDEC is reassessing the remedies set forth in the OU2 and OU3 RODs, and in particular, is evaluating the feasibility of full hydraulic containment of the Northrup Grumman/NWIRP facility groundwater contamination. The results of the expanded engineering investigation, and potential changes to the current remedies, will be presented to the public in 2019.

The NYSDOH will continue to work with the NYSDEC, County Health agencies, the EPA, and ATSDR to review information as it becomes available, evaluate the public health implications of any sampling results, and recommend public health actions as needed.

NYSDOH and ATSDR are asking the public for input and comments on the draft Northrop Grumman/NWIRP Facilities Groundwater Impact Health Consultation. Written comments should be sent to the NYSDOH by July 22, 2019 to be included in responses to comments in the final Health Consultation.

Agency Contact Information

For copies of the full Northrop Grumman/Naval Weapons Industrial Reserve Plant Facilities draft Health Consultation – including public comment forms:

- Call the NYSDOH at 518-402-7860 or
- Visit the NYSDOH website at: http://health.ny.gov/environmental/investigations/northrop_grumman

For questions about the Northrop Grumman/Naval Weapons Industrial Reserve Plant Facilities Health Consultation, contact:

<table>
<thead>
<tr>
<th>Steve Karpinski</th>
<th>Leah Graziano</th>
</tr>
</thead>
<tbody>
<tr>
<td>New York State Department of Health</td>
<td>Agency for Toxic Substances and Disease Registry</td>
</tr>
<tr>
<td>Center for Environmental Health</td>
<td>ATSDR Region 2, Edison Office</td>
</tr>
<tr>
<td>ESP, Corning Tower, Albany NY 12237</td>
<td>289 Woodridge Ave., Bldg 209, Edison, NJ 08837</td>
</tr>
<tr>
<td>518-402-7860</td>
<td>732-906-6932</td>
</tr>
<tr>
<td><a href="mailto:documentcomments@health.ny.gov">documentcomments@health.ny.gov</a></td>
<td><a href="mailto:Escobar.Leah@epamail.epa.gov">Escobar.Leah@epamail.epa.gov</a></td>
</tr>
</tbody>
</table>