

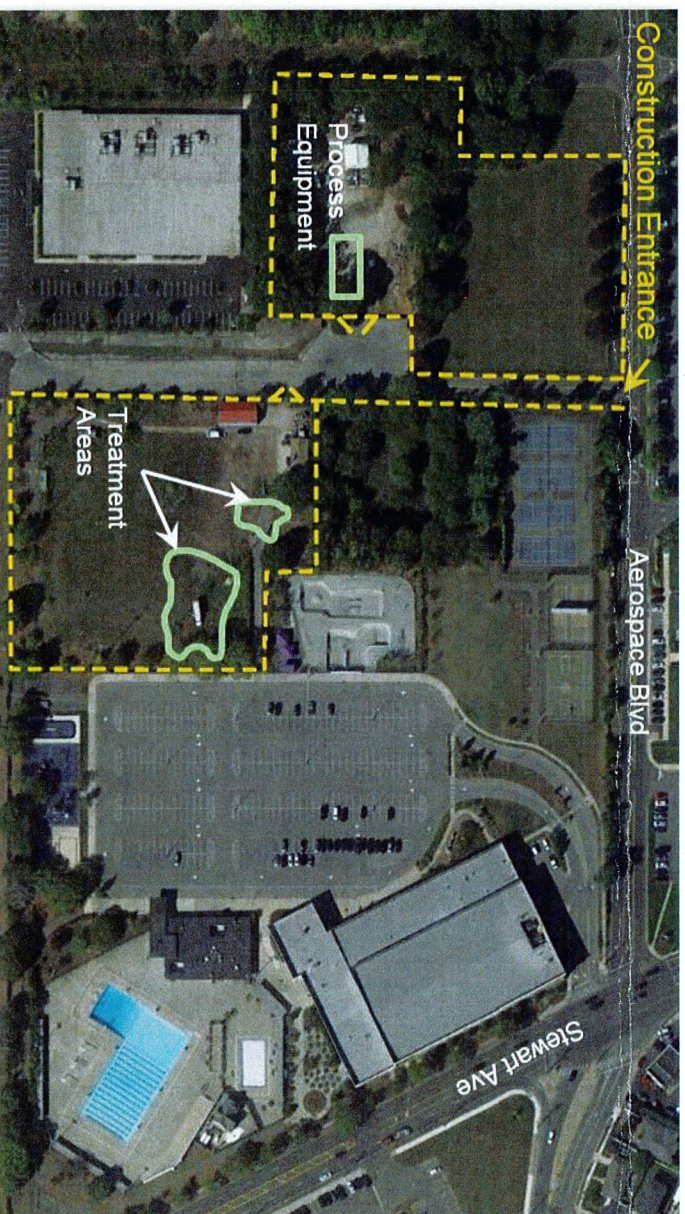
Bethpage Community Park Soil Volatile Organic Compounds (VOCs) Remedy

Status as of January 2020

As part of Northrop Grumman's ongoing efforts to provide clear communication about its environmental activities, this fact sheet provides information about work we are doing in your community.

This work involves construction and implementation of a proven and safe thermal remedy to treat VOCs in soil below the surface located in specific areas of the ballfield within the Bethpage Community Park. This solution is safe and least disruptive to residents and community park operations.

The New York State Department of Environmental Conservation (NYSDEC) and the Town of Oyster Bay provided their written approvals for the initial construction phase of work, which was conducted in compliance with the approved work plan, health and safety plan, and the site access agreement. Northrop Grumman held a community meeting on September 20, 2018, to inform residents and officials of the proposed work.

Where the work is located:**What work has been completed?**

In 2019, Northrop Grumman installed the treatment points for the thermal remedy within and around the two treatment areas shown above (green lines). Construction continued from September to November 2019 with the installation of the electric service and other necessary below ground components.

What work is occurring now?

Over the next two to four months, we will collect soil samples to complete delineation of the treatment area. Soil sampling will support the final design of the thermal remedy. Field equipment will consist of a drill rig, support truck, steel drums, and traffic control cones and signs.

Work hours will be 7 a.m. to 4 p.m., Monday through Friday and potentially Saturday, with Town approval (except Town holidays).

What is next?

Northrop Grumman will submit its final remedial action work plan including design details monitoring plans, and health and safety controls necessary to implement the remainder of the thermal remedy.

What work will occur once the final work plan is approved?

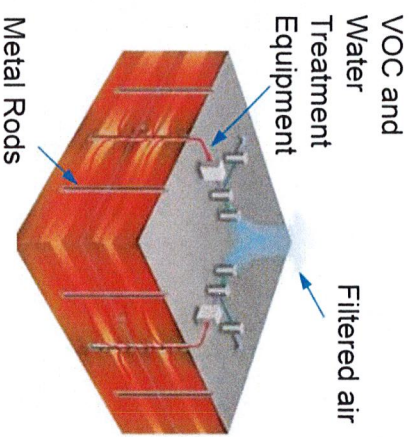
Upon approval of the final remedial action work plan by NYSDEC, we will install the remaining process equipment and begin treatment. Our treatment process is expected to take six months followed by a 90-day period to retest the soil and confirm the treatment was effective.

What can I expect to see during remedy construction and operation?

Construction and treatment equipment will include drill rigs and support vehicles, piping, processing equipment, and sound proofing equipment.

How does the thermal remedy work?

The metal rods that we already inserted into the ground within the two treatment areas (30 to 60 feet below the surface) will have electrical current applied. The heat energy will warm the soil to vaporize both the VOCs and water in the soil. We will safely remove the vapors by applying a continuous vacuum suction process to bring them to our specialized treatment system at the surface. The system will treat recovered vapors to remove contaminants before the filtered air is released as noted in the large light blue arrow on the illustration. No heat will be felt at, or above, ground during treatment.



Our Safety and Security Plan:

- Experienced, specially trained, qualified personnel will conduct the work in accordance with our Health and Safety Plan that meets or exceeds requirements of the Occupational Safety and Health Administration (OSHA).
- Air quality will be monitored continuously during drilling and other remedial activities to ensure that it remains within acceptable guidelines in accordance with the NYSDEC-approved Community Air Monitoring Plan.
- Waste and debris created from drilling and other construction activities will be put into containers and properly handled and disposed of off-site.

Upon Completion of Work:

Samples will be collected to confirm that the approved soil cleanup objectives are met. The samples will be sent to a New York State Department of Health (NYSDOH) accredited laboratory for analysis. All sampling results will be furnished to NYSDEC and the NYSDOH for their evaluation.

Following confirmation from NYSDEC that the soil cleanup objectives have been met, Northrop Grumman will dismantle and remove the treatment equipment.

Questions?

For additional information, please contact Dianne Baumert-Moyik at Northrop Grumman, (516) 754-2645 or via email at dianne.baumert-moyik@ngc.com.

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Northrop Grumman continues to work closely with the NYSDEC, the U.S. Navy and other federal, state, and local government regulatory authorities, to address environmental conditions in the area. We remain committed to pursuing scientifically sound, targeted and effective remedial approaches that protect the health and well-being of the community and avoid unnecessary disruption.

For project information, visit www.northropgrumman.com/bethpage