



EPA Constructs Groundwater Treatment Facility on Caroline Avenue Lawrence Aviation Industries Superfund site

Port Jefferson, Suffolk County, New York

Community Update

October 2010

EPA encourages public participation. If you have any questions or would like additional information about the LAI site and activities being conducted, please contact:

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Information Repository

Port Jefferson Free Public Library
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Background

The U.S. Environmental Protection Agency (EPA) is conducting cleanup activities at the Lawrence Aviation Industries (LAI) site located in Port Jefferson Station, New York. In September 2006, the EPA issued a Record of Decision (ROD) detailing remedial actions for the site itself, along with ground water impacts to the Village of Port Jefferson. One such remedial activity is the construction of two ground water pump and treatment systems. One such system is being constructed at the LAI site itself. The other system is to be constructed in the Village of Port Jefferson, one-mile downgradient of the LAI property.

From May 3 through May 13, 2010, EPA and its contractors removed debris and sediments from the Old Mill Creek, near the Barnum Avenue Bridge. Over 120 yd³ of material was removed and disposed of to an off-site location. Restoration activities were conducted from May 24 through June 4, 2010. Working with Village officials and property owners, EPA selected vegetation that is native to the area and has a significance to local wildlife.

From June 7 through June 17, 2010, EPA installed the water main that will carry treated water from the facility to the Old Mill Creek. Four-inch pipe, along with an electrical conduit, was placed along Caroline Avenue to Barnum Avenue. Piping was also installed along Barnum Avenue between Caroline and the Barnum Bridge, where an outfall was created at Old Mill Creek.

Current Situation

The Village of Port Jefferson and EPA have agreed on a location for the pump and treatment facility. After review of many public and private properties, the western portion of the Caroline Avenue Ball Field has been chosen as the most optimal site. EPA has been working with the Village of Port Jefferson Architectural Review Committee to design the exterior structure. The design will allow the building to blend with local architectural theme.

Proposed Activity

EPA has generated the appropriate work plans necessary for personnel to perform tasks in a safe and efficient manner, while limiting impact and inconvenience to the residents of the Village.

EPA has obtained the authorizations required for the construction of a groundwater pump and treatment facility at Caroline Avenue and Brook Avenue. Construction activities of the facility will commence in October 2010. EPA plans on operating the facility for approximately 20 years in an effort to bring levels of volatile organic compounds to an acceptable level for protecting human health and the environment.

Questions	Answers
<p>What is the time frame for this project?</p>	<p>Construction activities for the groundwater pump and treatment facility are projected to start in October 2010. Activities will continue until January, when the system becomes fully functional. After such time, the actions of extracting contaminated water and removing the contaminants is projected to take approximately 20 years.</p>
<p>What will be the hours of operation?</p>	<p>Work will begin around 8:00am and end at 5:30 pm Monday through Friday until the project is completed. Heavy equipment and other noise making equipment will be in operation from 8:30 am till 5:00 pm Monday through Friday until the project is completed.</p>
<p>How much noise will this project make?</p>	<p>During working hours, noise will be generated from the use of machinery such as delivery trucks, cranes, cement mixers, as well as manual construction labor. No noise is projected to be generated throughout the nighttime hours.</p>
<p>Many activities take place at the Caroline Avenue Field. Will the Caroline Avenue Ball Field Remain open?</p>	<p>The area of Caroline Ball Field utilized for activities such as ball games, sponsored events, picnics, outdoor events, and others will not effected by this activity.</p>
<p>What will this system do to the contaminated groundwater? Would any vapors released pose a health risk to residents living nearby, or those utilizing the park?</p>	<p>The pump and treatment system will extract groundwater by using several wells that have been installed at pre-determined depths. The contaminated water will be passed through a series of air strippers and carbon filters that are designed to remove the contaminates of concern from the water. Non-contaminated water will then be placed into the Old Mill Creek. Non-contaminated air will be released to the ambient environment.</p>
<p>The time-frame is long for a clean-up. What is being done to expedite the removal of contamination from groundwater?</p>	<p>EPA decided to place two pump and treatment systems in an effort to expedite the remedial process. One plant will be constructed at the Caroline Avenue Field, the other will be located directly on the LAI property in Port Jefferson Station.</p>
<p>How will the removal of contaminated groundwater benefit me and my neighbors?</p>	<p>The removal of contaminated groundwater will eliminate any harmful vapor that may be coming from the groundwater, though the soil, and into indoor spaces. This activity will improve the quality of life to residents of the Village.</p>
<p>Where do I get additional information on the LAI Site located in Port Jefferson Station, NY and EPA activities in the Village?</p>	<p>The webpage provided below and the Port Jefferson Public Library, Reference Desk.</p>
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