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Department of Environmental Protection Completes Second Stage of Repairs Near Cannonsville Dam

The New York City Department of Environmental Protection (DEP) today provided the following update on repair and monitoring efforts downstream of Cannonsville Dam

On Tuesday morning, engineers completed the second stage of repairs downstream of Cannonsville Dam. This stage focused on sealing shut the three original boreholes that created a cloudy discharge of water into the West Branch Delaware River from July 8 to Aug. 1. Engineers used a stiff grout (similar to concrete) to repair each borehole. Grout was first injected through the center of each original borehole, and then it was also pumped at three additional locations around the perimeter of each hole. The application of grout in this pattern was designed to plug the original holes while also allowing the grout to move outward and fill any areas of soil that were eroded by the pressurized groundwater. The second stage of repairs was designed and executed in consultation with engineers from the Federal Energy Regulatory Commission (FERC) and a panel of expert geotechnical engineers from throughout the United States.


DEP on Wednesday will begin the process of testing the repairs to ensure their effectiveness. During the first phase of the repairs, a series of relief wells were installed to reduce pressure from the underground aquifer and provide a new path for that water to flow. The pumping of these wells successfully ended the discharge of cloudy water on Aug. 1. To test the effectiveness of the grouting, pumping from these wells will be reduced over the next three days and eventually stopped, allowing the groundwater to return to normal pressures. During that time engineers will monitor instruments inside the dam, along with turbidity, flow and other parameters downstream of the dam. As a result of the repairs, it is anticipated that all measurements and observations will steadily move toward levels observed before the original drilling was performed in July.



In the meantime, DEP has continued its monitoring and outreach efforts. Intensive monitoring at the dam continues to include daily inspections by a professional engineer, near real-time monitoring of dam safety instruments, and a 24-hour presence by workers at the site. DEP has also started its next round of public meetings to share the latest information with communities along the Delaware River. The first information session was held Tuesday night in Deposit. Other meetings in Narrowsburg, New York; Matamoras, Pennsylvania; and Easton, Pennsylvania are already scheduled. A complete list of those meeting dates, times and locations can be found below. Additional information about the repair project and the circumstances downstream of Cannonsville Dam can be found on the DEP website by [clicking here](#). This information is also posted regularly to [DEP's watershed Facebook page](#).

More Information
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Corporation and the Watershed Agricultural Council—that support sustainable farming practices, environmentally sensitive economic development, and local economic opportunity. In addition, DEP has a robust capital program with nearly \$14 billion in investments planned over the next 10 years that will create up to 3,000 construction-related jobs per year. For more information, visit nyc.gov/dep, like us on [Facebook](#), or follow us on [Twitter](#).

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