



## Field Trip

# GROUNDWATER REMEDIATION PROGRAM AT BROOKHAVEN NATIONAL LABORATORY

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Environmental Protection Division, BNL

**Saturday October 23, 2010**  
9 AM to 12 Noon

BNL has constructed sixteen groundwater treatment systems and capped several landfill areas in an effort to protect and restore groundwater quality in the Upper Glacial and Magothy aquifers. Thirteen of these systems are designed to treat volatile organic compound (VOC) contamination, whereas the remaining three treat or control radionuclide contamination (e.g., strontium-90 and tritium). Fourteen of the systems are currently in operation.

During this field trip, we will review the history and progress of BNL's groundwater protection and restoration programs, and visit several of the remediation systems. We will also take a roadside tour of the \$900 million National Synchrotron Light Source II facility which is currently under construction. We will also discuss the new 32 MW Long Island Solar Farm which will be constructed at BNL starting in the fall of 2010.

**Getting to BNL:** Brookhaven National Laboratory is located on William Floyd Parkway, County Road 46, 1.5 miles north of Exit 68 of the Long Island Expressway.

**Meet at 9 AM at the Brookhaven Center.** You can get directions at entrance.  
Map of central campus is at [http://www.bnl.gov/maps/linkable\\_files/pdf/central\\_campus.pdf](http://www.bnl.gov/maps/linkable_files/pdf/central_campus.pdf)

**Pre-registration is required by Tuesday October 19.** Send e-mail to [paquette@bnl.gov](mailto:paquette@bnl.gov).  
Please include whether or not you are a US citizen.

**You must have a driver's license or other government approved ID in order to enter.**

**We will be traveling by car with very limited walking.**

Three contact hours toward in-service credit for teachers or professional geologists.

**Cameras are permitted**

**No Fee!**

Long Island Geology web site is <http://www.geo.sunysb.edu/lig/>