

FAIR LAWN WELL FIELD SUPERFUND SITE PROJECT UPDATE



Community Update | April 2014

LANGAN

Groundwater Sampling Activities to Begin in May 2014

Beginning in early May, Langan Engineering and Environmental Services (Langan) will install additional wells and conduct additional groundwater sampling for Sandvik, Inc. (Sandvik) and Thermo Fisher Scientific Company, LLC (Fisher), the two companies conducting the investigation at the Fair Lawn Well Field Superfund Site (Well Field Site). Work has been ongoing for several years in the vicinity of the Well Field Site as part of a remedial investigation project being completed under oversight from the United States Environmental Protection Agency (EPA).

The upcoming activities will include the construction of a series of groundwater monitoring wells to collect and analyze groundwater samples in the area of the Well Field Site. A total of 21 monitoring wells will be constructed. Three permanent wells will be constructed in the Fair Lawn Industrial Park, along with seven permanent wells in the residential area southwest of the industrial park. These 10 new permanent wells will be sampled in the future along with the other monitoring wells associated with the Well Field Site, if any additional sampling is needed. The remaining eleven wells constructed in the residential area will be temporary; they will be sampled once, then sealed and closed according to applicable regulations.

Constructing these wells is expected to require approximately three to four months of work, and will include a drilling rig and support vehicles, along with a crew of about five people. Personnel from EPA or its technical contractor will also be monitoring the work on a daily basis.

The results of the sampling program will be sent to EPA and will be evaluated as part of the Fair Lawn Well Field remedial investigation project. The well construction and sampling work is being coordinated with Fair Lawn Borough, and will not have an impact on the community's drinking water system.

Minimizing Impacts to Surrounding Area

A project support area will be set up near the intersection of 11th Street and Long Road, where equipment and drilling materials will be stored overnight. Soil cuttings and water produced during the well construction process will be containerized, stored and secured in a fenced section of this area. The support area will be removed and restored following the completion of the project.

Environmental Protection and Safety

These wells will be constructed in a manner that ensures the safety of the community, the workers completing the project and the protection of the environment. Langan will adhere to all local ordinances, and state and federal regulations, to complete the project.

Project Timeline

This work will take place between 7am-6pm, Monday-Friday, and all construction areas will be secured for the safety of both workers and residents. Each of the temporary wells will require one day for installation, while the other wells are expected to take between 7-10 days to install. A list of streets where the wells will be constructed is provided with this update.

EARLY MAY: Temporary Well Program

Temporary monitoring wells will be installed at the 11 designated locations in the neighborhood to assess shallow groundwater conditions.

LATE MAY TO EARLY JUNE: Vertical Profiling and Sampling of Fair Lawn Township Wells

Sampling and testing will be conducted on two inactive Westmoreland Well Field wells. The process involves isolating and collecting samples at specific depths within the two wellbores.



The 11 temporary well locations are noted on this diagram in green. The five permanent township water supply/monitoring wells locations are in red and white, and the location of the ten new permanent monitoring wells are in blue. The central staging area, which will be used to store equipment, is noted with diagonal yellow lines.

Monitoring wells will be constructed on the following streets in the residential neighborhood:

- Cedar Street
- Elliott Terrace
- Henderson Boulevard
- Kossuth Place
- Ontario Avenue
- Parmelee Avenue
- Raymond Street
- Richard Street
- Westmoreland Avenue
- 11th Street
- Route 208

EARLY TO MID-JUNE: Bedrock/Overburden Well Program

Ten permanent monitoring wells will be installed, including seven completed in bedrock at a depth of up to 400 feet and three completed in overburden to a depth of approximately 45 feet. These wells will be constructed to assess shallow and deep groundwater quality. The well installation process will involve multiple phases:

- **Phase 1:** Active drilling to a depth of up to 400 feet below ground surface,
- **Phase 2:** Geophysical testing to classify geology and identify water bearing zones,
- **Phase 3:** Vertical profiling and testing to isolate and sample selected intervals, and
- **Phase 4:** Final well construction.

AUGUST-SEPTEMBER (2014) AND MARCH-APRIL (2015): Groundwater Sampling

Two rounds of groundwater sampling will be conducted, including samples from the newly installed wells. The initial sampling program will be performed following the completion of the new wells, with a second event conducted several months later, to account for seasonal changes.

For More Information

If you have any questions or would like additional information on this project, please contact:

Langan Engineering at
(201) 398-4682

Michael Zeolla
EPA Remedial Project Manager
(212) 637-4376

Wanda Ayala
EPA Community Involvement Coordinator
(212) 637-3676