Hoosick Falls Data Collection Update
Environmental Investigations at John Street & River Road
June 2017

Honeywell has been conducting environmental investigations in the Village of Hoosick Falls and the Town of Hoosick on and around two properties where perfluorooctanoic acid (PFOA) may have been used during former manufacturing activities. Honeywell is committed to conducting a thorough investigation into environmental conditions at its former manufacturing facilities and to remediate them as appropriate.

This work, which is being done under supervision from the New York State Department of Environmental Conservation (NYSDEC), includes the collection of groundwater, soil, and other samples at and near John Street (3 Lyman Street) in the Village and River Road (21410-12 Route 22) in the Town. Samples were sent for analysis to a laboratory approved by New York State. The sample results have been validated and submitted to NYSDEC in two reports (February and June 2017).

Public Availability Session
A public availability session was held on June 19, 2017. Environmental experts answered questions and outlined next steps.

Chemicals Sampled and Analyzed
Samples of groundwater, soil, surface water, sediment, and soil vapor were collected from the John Street and the River Road properties (on-site) and near the properties (off-site). The samples were analyzed for PFOA, and 11 other perfluorinated compounds, commonly known as PFCs. As required by NYSDEC, a portion of the samples also were analyzed for other chemicals including total organic carbon, volatile organic compounds, semivolatile organic compounds, pesticides, PCBs, metals, and cyanide. The two data reports will be posted on the Village of Hoosick Falls' website.

Government Standards and Guidance
Results were compared to government standards or guidance, as appropriate. There is no federal or New York State current groundwater or surface water standard for PFOA. Standards are included in regulations; guidance values are government recommendations.

Summary
Below is a summary of PFOA and other chemicals detected both on-site and off-site.

CONTACT: If you have any questions or concerns, please do not hesitate to call Victoria Streitfeld, Honeywell's Community Liaison, at 973.455.5281.

Standards and Guidance

PFOA:

Groundwater: No federal or New York groundwater or surface water standard

Soil: USEPA Screening Value

Other Chemicals Analyzed:

Groundwater: NYS groundwater standards or guidance

Soil: NYS Soil Cleanup Objectives

PFOA Results Summary

ppb = parts per billion, ppt = parts per trillion

Groundwater at John Street: 63 samples collected on- and off-site
PFOA (on-site)
• Concentrations range from 140 to about 6,400 ppt
PFOA (off-site)
• Concentrations range from below detection limit to 4,400 ppt
Soil at John Street: 42 samples collected on- and off-site
PFOA (on-site)
• No exceedances of USEPA Screening Value of 1,000 ppb; highest concentration is 9.9 ppb
PFOA (off-site)
• No exceedances of USEPA Screening Value of 1,000 ppb; highest concentration is 5.1 ppb
Groundwater at River Road: 87 samples collected on- and off-site
PFOA (on-site)
• Concentrations ranged from less than detection limit to maximum of 660 ppt
PFOA (off-site)
• Concentrations of PFOA range from less than detection limit to maximum of 940 ppt
Soil at River Road: 116 samples collected on- and off-site
PFOA (on-site)
• No exceedances of USEPA Screening Value of 1,000 ppb; highest concentration is 12 ppb
PFOA (off-site)
• No exceedances of USEPA Screening Value of 1,000 ppb; highest is concentration is 16 ppb

Other Compounds Results Summary

John Street:

- Volatile organic compounds (VOCs) were detected in soil and groundwater on-site at concentrations that exceed standards (four groundwater locations and one soil location), and in soil vapor (six locations). These compounds also were detected off-site in groundwater at concentrations that exceed standards (four locations). Because VOCs can move into indoor air under some circumstances, Honeywell conducted soil vapor intrusion evaluations at occupied buildings in the area of John Street and is in the process of implementing mitigation measures at some buildings.

- Semivolatile organic compounds (SVOCs) were not detected in groundwater, surface water or sediment above New York State standards or guidance. The only SVOC detected above standards in soil were polyaromatic hydrocarbons (PAH), which are found in asphalt and petroleum products, among other things. Out of 31 samples analyzed, PAHs were only detected at one on-site location and one off-site location at concentrations that exceed the Soil Cleanup Objectives.

- Less than 10% of the soil sample results show detections of metals above the NYSDEC Soil Cleanup Objectives. No exceedances were detected in sediment.

    - Many metals naturally occur in soil, groundwater, and surface water. Out of 32 soil samples at John Street, metals were detected in three on-site soil samples above Commercial Use Soil Cleanup Objectives.

    - Metals also were detected in off-site surface water samples and were sporadically detected in on- or off-site groundwater above the New York State groundwater standards. Only sodium, a component of road salt, was consistently detected above the New York State groundwater standards in groundwater and in surface water.

- PCBs, pesticides, and total cyanide were not detected in soil, groundwater, surface water or sediment over New York State groundwater standards or applicable Soil Cleanup Objectives.

River Road:

- VOCs were detected above New York State groundwater standards in only two of 37 samples; these two samples were from one on-site location.

- Less than 5% of the groundwater sample results and less than 10% of the soil sample results show detection of SVOCs above the New York State groundwater standards or applicable Soil Cleanup Objectives.

    - The only SVOC detected above standards were polyaromatic hydrocarbons (PAH), which are found in asphalt and petroleum products.

Out of 79 samples analyzed, PAHs were only detected at two on-site locations and two off-site locations at concentrations that exceed the Soil Cleanup Objectives. One PAH, benzo(a)pyrene, was detected in one on-site groundwater location at a concentration that exceeds its New York State groundwater standard. This compound was not detected in any other on- or off-site groundwater sample.

- Less than 5% of the soil sample results show detection of metals above the New York State applicable Soil Cleanup Objectives.
    - Copper was detected in one out of 42 on-site soil samples above Commercial Use Soil Cleanup Objectives, and was below Residential Use Soil Cleanup Objectives in all 37 off-property soil samples. Two other metals, chromium and manganese, were detected in several off-site soil samples located to the east of the River Road property above Residential Use Soil Cleanup Objectives.
    - Metals also were sporadically detected in on- or off-site groundwater locations and off-site surface water locations above the New York State groundwater standards. Only iron and manganese, two naturally occurring metals, and sodium, a component of road salt, were consistently detected above the groundwater standards in a majority of the groundwater samples.
- PCBs, pesticides, and total cyanide were not detected in soil, groundwater, sediment or surface water over New York State groundwater standards or applicable Soil Cleanup Objectives.

Water Filtration System at Full Capacity

New York State announced that the new Hoosick Falls PFOA water filtration system, funded by Saint-Gobain Performance Plastics and Honeywell, is fully operational. According to the New York State Department of Health, “Our aggressive monitoring program of the water running through this system has consistently returned non-detect levels for PFOA and other contaminants and we remain fully committed to ensuring that continues.”

Next Steps

Honeywell will submit a remedial investigation work plan, which outlines the next steps of the investigation, this summer. We will continue to keep the community informed.

Honeywell History and Consent Orders

Honeywell’s predecessor, AlliedSignal Laminate Systems Inc., operated in Hoosick Falls between 1986 and 1996. In June 2016, we voluntarily entered into two Consent Orders with the NYSDEC related to PFOA issues in Hoosick Falls.

- Under one Consent Order, we are conducting the environmental investigations outlined here.

- Under a second Consent Order, we are cooperating with, and sharing funding for, Saint-Gobain's environmental investigations of the McCaffrey Street and the Liberty Street plants, as well as the water filtration systems.

- Together with Saint-Gobain, we are conducting an evaluation of the long-term water supply options for area residents in cooperation with the state agencies. That evaluation has begun. When it is complete, we will share the results with the DEC and the community.