

# HIDDEN LANE LANDFILL SUPERFUND SITE

COMMUNITY UPDATE | May 2019

## Upcoming Work: Dye Tracer Study

The U.S. Environmental Protection Agency (EPA) will be conducting a fluorescent dye tracer study at the Hidden Lane Landfill Superfund Site (Site) beginning in June 2019. The purpose of the study is to better understand how contaminated groundwater flows. The results of this study will be used to help develop a groundwater cleanup plan.

EPA has identified the trichloroethene (TCE) contamination source area in the parking lot area at the southern end of the landfill (see map on reverse). EPA will inject a non-toxic bright green dye into a monitoring well in the source area and monitor travel times and dye concentrations as the groundwater flows toward other monitoring wells. EPA expects that the dye will move with groundwater toward the treatability study area (see map), located at the western end of the Site, near the Broad Run Farms (BRF) neighborhood. EPA expects that the dye will take 3 months or more to reach the treatability study area.

## What to Expect

- EPA and its contractors will be working at the site during the week of June 3 to begin the dye tracer study.
- EPA contractors will visit the Site monthly to collect data from monitoring wells until the study is completed.
- EPA does not expect the dye to impact the drinking water of BRF residents for the following reasons:
  - Dye will be injected into monitoring wells at non-toxic levels.
  - Dye will be captured by existing water treatment units in BRF.
- Although unlikely, residents should contact one of the EPA contacts below if dye is detected in drinking water or observed in local surface water.

### Questions? Contact Us:

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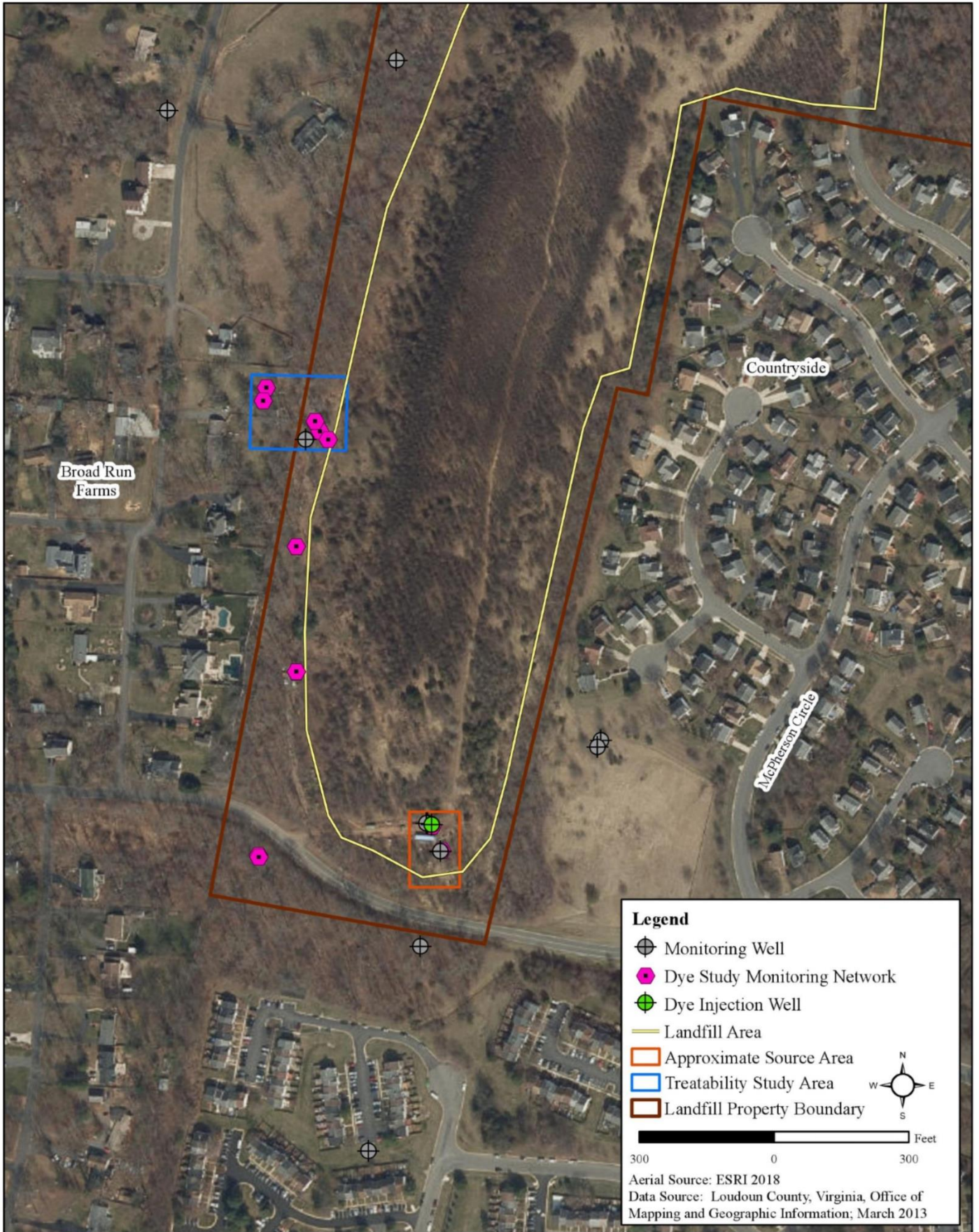
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For more information: [www.epa.gov/superfund/hiddenlane](http://www.epa.gov/superfund/hiddenlane)





**U.S. Environmental Protection Agency**  
**Hidden Lane Landfill Site**  
 Loudoun County  
 Sterling, VA

**FIGURE 1**  
**DYE STUDY AREA**