NATIONAL PRIORITIES LIST (NPL)

****Proposed Site****

May 2018

DONNELSVILLE CONTAMINATED AQUIFER | **Donnelsville, Ohio** *Clark County*

Site Location:

The Donnelsville Contaminated Aquifer (DCA) site is a contaminated groundwater plume originating from an unknown source or sources located in the village of Donnelsville and portions of Bethel Township, Ohio.

Site History:

Tetrachloroethylene (PCE) contamination in the Donnelsville area was first detected in 1990 during compliance sampling at the Donnelsville Elementary School. Following closure of the school wells, the Ohio Environmental Protection Agency (OEPA) referred the site to the EPA for assessment activities in 2010 due to Volatile Organic Compound (VOC) contamination of local groundwater and the presence of nearby potable wells which draw from the same aquifer. A manufacturer of truck, airplane, baby swings, car seats, and high chair parts formerly operating on North Hampton Road is a potential source of PCE contamination but has denied the use of VOCs and no specific source or sources could be confirmed in the vicinity of the plume to which the groundwater contamination could reasonably be attributed.

Site Contamination/Contaminants:

Groundwater has been contaminated by VOCs, including PCE, trichloroethylene (TCE), and cis-1,2-dichloroethene (DCE).

Potential Impacts on Surrounding Community/Environment:

Groundwater contamination has migrated to local drinking water wells. Approximately 25 air strippers or granulated activated carbon (GAC) water treatment systems have been installed at residences with drinking water well samples containing PCE above the Safe Drinking Water Act's Maximum Contaminant Levels (MCLs).

Response Activities (to date):

Over the last several years, the EPA has coordinated with the OEPA to investigate and respond to the contamination at the site. In 2011, the EPA's Removal Program installed treatment systems in homes and a community park well where the levels of contaminants exceeded MCLs. Additional residential properties sampled in 2014 and 2016 were found to have PCE at concentrations greater than the MCL. For those properties, the former manufacturing facility has offered to pay for installation of water treatment systems, to replace previously installed water treatment systems which were no longer effectively operating, and to provide bottled water to residents until the treatment systems were installed.

Need for NPL Listing:

OEPA referred the site to the EPA due to the VOC groundwater plume and potential for contaminated drinking water wells. Other federal and state cleanup programs were evaluated, but are not viable at this time. The EPA has received a letter from the state of Ohio which supports placing this site on the NPL.

[The description of the site (release) is based on information available at the time the site was evaluated with the HRS. The description may change as additional information is gathered on the sources and extent of contamination. See 56 FR 5600, February 11, 1991, or subsequent FR notices]

For more information about the hazardous substances identified in this narrative summary, including general information regarding the effects of exposure to these substances on human health, please see the Agency for Toxic Substances and Disease Registry (ATSDR) ToxFAQs. ATSDR ToxFAQs can be found on the Internet at https://www.atsdr.cdc.gov/toxfaqs/index.asp or by telephone at 1-800-CDC-INFO or 1-800-232-4636.