

Northwest Atlanta Brownfield June 4, 2010

As part of the Atlanta Brownfields Community Health Project, the Chemical Hazards Program (CHP) reviewed site characterization and environmental sampling data at the brownfield sites along Ellsworth Industrial Boulevard in northwest Atlanta to determine the potential for residents' exposure to regulated chemicals. These brownfield sites include the Westinghouse Warehouse property, I. Schneid property, and the former Square D property. All these sites are listed on the Hazardous Site Inventory (HSI) under the Georgia Hazardous Site Response Act and regulated by the Georgia Environmental Protection Division (GEPD), and are known to contribute to the presence of chemicals above state regulatory levels in nearby Woodall Creek (also listed on the HSI).

I. Schneid Company

The I. Schneid Company brownfield site is a fenced, three acre site located east of Ellsworth Industrial Blvd along Fairmont Road and Woodall Creek. The I. Schneid Company was a chemical manufacturing facility that operated from 1962 to 2002 producing janitorial and landscaping chemicals such as; cleaning agents, disinfectants, sealants, waxes, lubricants, deodorants, solvents, bioenzymatics, pesticides, and fertilizers.

Under GEPD oversight, an investigation looking into on-site soil and groundwater began in 1995. In 2002, additional sampling was conducted for pesticides and volatile organic compounds (VOCs). Several VOCs and semi-volatile organic compounds were detected in soil, but none above regulatory levels or Agency for Toxic Substances and Disease Registry (ATSDR) comparison values (CVs). Benzene, chlorobenzene, and cis-1, 2-dichloroethylene (cis-DCE) were detected in on-site groundwater monitoring wells at levels; also below ATSDR CVs. In November 2004, the Corrective Action Plan for site remediation activities was approved by GEPD, and the I. Schneid Company site was placed on the HSI.

Cis-DCE has been detected below the maximum contaminant level (MCL) in an off-site groundwater monitoring well west of the site. One additional off-site groundwater well is being installed slightly east of this

well. Cis-DCE has also been detected in a creek located at the southern and west site boundaries. The creek flows to the Chattahoochee River.

Bedrock aquifer groundwater in the greater region generally flows to the southwest at approximately 32 feet per year. No human exposure to VOCs in groundwater from the I. Schneid Company site is occurring because nearby residents are connected to a municipal public water source. Site reuse is yet to be determined.

Public Health Recommendations: None

Westinghouse Warehouse

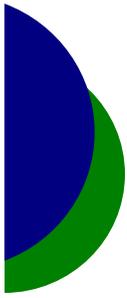
The Westinghouse Warehouse is a partially fenced property located on 16.4 acres of land along Ellsworth Drive and Chattahoochee Avenue. In the late 1950's through mid-1980's, it operated as an electrical component manufacturing and repair facility. In 1999 and 2004, initial site investigations detected PCBs on the interior concrete floor and building surfaces above the Toxic Substances Control Act (TSCA) regulatory levels. In July 2006, GEPD placed the Westinghouse Warehouse site on the HSI.

In 2006, PCBs were detected in on-site soil and in groundwater below regulatory levels. However, several VOCs were detected in groundwater above regulatory levels (MCLs) including chloroform, tetrachloroethylene (PCE) and PCE's degradation by-products - trichloroethylene (TCE) and dichloroethylene (DCE). Currently the plume is isolated within site boundaries; however, the plume is flowing southwest in the direction of a local retail outlet and a creek. Residents living within one mile of the Westinghouse Warehouse are located south of the site. Site reuse is yet to be determined.

Public Health Recommendations: None

Square D Company (Former)

The former Square D Company site is located along the west side of Ellsworth Industrial Boulevard in northwest Atlanta. From 1956 to 1993, the site operated as an electrical switchboard and components manufacturer. Manufacturing activities incorporated a former degreasing pit, painting area, a cutting machine area, and an aboveground storage tank. This site is currently



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used for the production of laminating and other graphics products.

In December 2005, GEPD was notified of a chemical release, and the property owners began a site investigation and characterization. In December 2006, the property owners submitted a Compliance Status Report. The site was designated a brownfield in July 2007, and in August 2008, the former Square D Company Corrective Action Plan was approved by GEPD.

VOCs were detected in on-site soil and groundwater in the shallow, saprolite aquifer. VOCs detected in on-site soil include: acetone, 1, 4-dioxane, dichloroethanes (DCA), trichloroethanes (TCA), and TCE. VOCs detected in on-site groundwater include: chloroform, DCA, DCE, PCE, TCA, TCE, and vinyl chloride (VC). All were detected below regulatory levels and ATSDR CVs.

The nearest residences are the M-West condominiums adjacent to the south and east site boundaries. Six monitoring wells are located off site on M-West property. VOCs detected in off-site groundwater include: chloroform, DCA, DCE, PCE, TCA, TCE, and VC. All chemicals were detected above MCLs in off-site monitoring wells. DCA, DCE, TCA, TCE, and VC were all detected above CVs in one on-site monitoring well near the northeastern corner of the former Square D Company site boundary and along the western boundary of the M-West property. Contamination plume modeling shows that the shallow, saprolite plume is moving east toward Woodall Creek. Condominium homes are located above the groundwater plume. The contamination plume has been delineated to a depth of approximately 28 feet below ground surface. Residents of M-West are connected to the municipal water supply; however, approximately 60 homes may potentially be affected by vapor intrusion from the plume.

The former Square D Company brownfield site is undergoing site assessment to determine site remediation recommendations. A separate investigation is being conducted at the former Square D Company site on the potential for vapor intrusion under GEPD oversight.

Public Health Recommendations: Follow-up on vapor intrusion investigation through health consultation.

Woodall Creek

Woodall Creek is an intermittent stream that starts east

of Ellsworth Industrial Boulevard and Fairmont Road, and runs along multiple brownfield sites. The creek flows along the southern boundary of the I. Schneid Company site, and then bends north along the former Square D Facility site and the Westinghouse Warehouse site and then bends north for approximately one mile until it meets Peachtree Creek and the Chattahoochee River. The creek has been sampled because of its proximity to several brownfields.

In February 2001, Woodall Creek was listed on the HSI. The HSI site refers to the creek that runs through or adjacent to more than nine brownfield sites within a half-mile of Ellsworth Industrial Boulevard in addition to the other sites reviewed for this technical assistance report. Other properties included under the Woodall Creek HSI site include: the Southern Metals Finishing Company, the former Glidden Paint facility, the Dobbins Mini-Warehouse, the Ellsworth Realty property, the Restaurant Depot Company (former Jodaco, former Anderson, and former Hoyt) property, the Reynolds Metal Company, and the former ABC Supply property. Surface water sampling conducted in 2006 found PCE, TCE, and DCE detected above Georgia Surface-Water Quality Standards (SWQS) from the creek at 17 locations starting at Ellsworth Industrial Boulevard and downstream to approximately 400 feet from the southwest corner of the Westinghouse Warehouse site boundary.

Three groundwater monitoring wells were installed at approximately 250-foot intervals along the west bank of the creek in July 2008. Groundwater sampling was conducted and DCE, PCE, and TCE were detected above ATSDR CVs in all samples taken.

Surface water sampling conducted in 2008 show DCE, PCE, TCE, and VC in Woodall Creek at levels above ATSDR CVs. The nearest residences are located at the

M-West condominiums southwest of the creek sampling site. Human exposure to VOCs is potentially occurring from surface water, although a warning sign indicating creek contamination and the need to be cautious is posted along the creek near the M-West neighborhood.

Public Health Recommendations: Further public health investigation on potential exposure to VOCs from surface water through a letter health consultation.