

COMMONWEALTH OF PENNSYLVANIA

Department of Environmental Protection Hazardous Sites Cleanup Program

Scope of Work Conestoga Pines Park Site Lancaster City, Lancaster County

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I. Site Description and Background

The Site is located in Lancaster City, Lancaster County. The Site is situated between Pitney Road and the Conestoga River. It is bordered on the north/northeast by a residential housing (Eden Manor Development) and Pitney Road to the east. Beyond Pitney Road, and up-gradient of the Site, is the Commerce Industrial Park East. The Norfolk Southern Railroad tracks and the CBS/Playskool, Inc. facility are located to the south. The Conestoga River forms the Site's western property boundary. The General Electric facility property lies to the west of the Conestoga River.

The Site slopes westward from Pitney Road toward the Conestoga River. The upper portion of the Site contains an existing renovated barn used as a recreational center, and the grass covered remnants of a former house foundation that is approximately 250 feet north of the barn. Approximately 100 feet below the former house foundation, is a spring discharge that forms an un-named tributary (UNT) that flows in a westerly direction to the Conestoga River. Located in the center portion of the Site are the ruins of a former day camp. Below this area is a public swimming pool and parking lot. Southwest of the Site is the Lancaster Municipal Water Authority Public Water Filtration Plant. Water taken from the Conestoga River is treated for potable use by the City of Lancaster.

In the 1930s, a Civilian Conservation Corps camp was developed on the Site. Physical structures related to this camp are visible on aerial photographs from the 1940's until the 1970's. The current recreation barn building and house foundation remnants are related to past farming operations.

The General Electric Company installed two monitoring wells (MWs) in 1991 (MWs 9109 & 9110), and two monitoring wells in 1992 (MWs 9211 & 9212) at the Site as part of an Environmental Protection Agency (EPA) mandated Resource Conservation and Recovery Act (RCRA) Facility Investigation. Sampling of these wells showed elevated levels of volatile organic compounds (VOCs). The VOCs found were trichloroethylene (TCE), cis-1,2-dichloroethylene (cis-1,2-DCE), 1,1,1-trichloroethane (1,1,1-TCA), 1,1-dichloroethylene (1,1-DCE) and 1,1-dichloroethane (1,1-DCA).

II. Objectives

The first objective of this work assignment is to assess the potential vapor intrusion pathway into the occupied buildings in the area of the site. Determine whether a vapor intrusion threat exists from the contaminated VOC plume detected at the Site utilizing an appropriate soil gas investigation.

The second objective of this work assignment is to calculate a cost estimate to construct an appropriate design to mitigate the human direct contact threat caused by the VOC contamination found in the spring/UNT that flows in a westerly direction to the Conestoga River. Furthermore, obtain any required waterways permits and/or approvals for the chosen design.

III. Tasks

- 1) Site Scoping Meeting - Prior to preparation of a work plan, the contractor will attend a site scoping meeting with representatives of the Department's Hazardous Sites Cleanup Program (HSCP) staff from both the Southcentral Regional Office and Central Office to discuss the site and the tasks to be performed. The meeting will occur within two weeks of the contractor receipt of the Scope of Work (SOW).
- 2) Within 10 days of the Scoping Meeting, the Contractor will submit to the Department for its approval, a Work Plan and detailed Cost Proposal for performing the work. The Cost Proposal will include the following: project organization structures, staffing tables, resource breakdowns, equipment to perform task, level of effort table, and projected budget and schedules. A site-specific Health and Safety Plan, including required OSHA information as per 29 CFR § 1910.20, and a Sampling and Analysis Plan will accompany the work plan. The Sampling and Analysis Plan will contain locations, sampling interval, analytical technique, QA/QC, and reporting requirements for Summa Canister samplers or other sampling device acceptable to the Department.

The Following Tasks shall be detailed in the Work Plan:

A conceptual site model (CSM) will be developed to plan the scope and steps in the investigation and should include the contaminant levels in the groundwater plume, assessment of the contaminant migration pathways, and the exposure routes for potential human receptors. The contaminants of concern and the number and location of soil gas samples will be determined, in part, based on the information provided in previous investigation reports. The CSM will identify currently complete or potentially complete pathways to receptors and the potential for future risks. The work plan will address the use of soil gas sampling and near-slab and/or sub-slab soil gas investigation to quantify contaminant levels in soil gas that pose a potential threat for vapor intrusion into existing structures. The investigation will determine the buildings and areal extent where a potential vapor intrusion threat may be present that requires additional actions to mitigate or eliminate the actual or potential human health impacts. The Land Recycling Program Technical Guidance Manual- Section IV.A.4, Vapor Intrusion into Buildings from Groundwater and Soil under the Act 2 Statewide Health Standard, Document Number: 253-0300-100, dated January 24, 2004, will be used in developing the work plan and implementing the Investigation.

A work plan will be prepared to construct a VOC mitigation system at the spring/UNT and obtain any required waterways permit(s) for the chosen design.

CONFLICT OF INTEREST DETERMINATION

Potential Responsible Parties List

R.R. Donnelly and Sons Company
General Electric Company
CBS/Playskool, Inc.

RESPONSIBLE PERSONS

No responsible parties have been identified at this time.