

Department of Defense

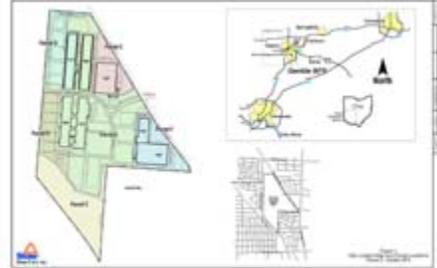
Base Realignment And Closure Sites (BRACS)

Defense Electronics Supply Center (DESC)

Parcel A:

As part of the property transfer process, areas that were potentially contaminated were investigated to determine if they would be safe for reuse. The investigations and subsequent soil removal actions conducted on Parcel A

supported the decision by the Air Force, Ohio EPA, and U.S. EPA that the property was suitable for transfer to the City of Kettering. This parcel was transferred to the City of Kettering in May 1997. Copies of reports on these investigations and removal actions can be found in the [administrative record](#).



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During the investigation of Parcel A, ground water contaminated with solvents was found associated with a former sump outside a building. The sump area is called site R2. The sump and associated soils from R2 were removed. The ground water contamination levels (1,2 - DCE) were above Safe Drinking Water act standards, which are used as the cleanup standard for ground water. However, the contamination plume is confined on site and is not migrating. There are no potable water supplies located within the contaminated area. Long-term monitoring of the plume continues, and deed restrictions are in place to prevent ground water use. The property is limited to commercial/industrial use.

Parcel B:

As part of the property transfer process, areas that were potentially contaminated were investigated to determine if they would be safe for reuse. The investigations supported the decision by the Air Force, Ohio EPA, and U.S. EPA that the property was suitable for transfer to the City of Kettering. This parcel was transferred to the City of Kettering in 2001. Copies of reports on these investigations can be found in the [administrative record](#).

During the investigation of Parcel B, ground water contaminated with solvents was found, but a source for the contamination could not be identified. During the time of the investigation, the ground water contamination levels were above safe drinking water standards (highest concentration was 8 ppb TCE, and 33 ppb PCE). However, the

contamination plume is confined on site and is not migrating. These levels continue to decrease and are approaching levels below regulatory standards. Long-term monitoring of the plume is continuing, but will be ended if the concentrations remain at these levels for 2 years. Deed restrictions are in place to prevent ground water use. The property is limited to commercial/industrial use.

Parcel C:

As part of the property transfer process, areas that were potentially contaminated were investigated to determine if they would be safe for reuse. The investigations supported the decision by the Air Force, Ohio EPA, and U.S. EPA that the property was suitable for transfer. This parcel was transferred to the City of Kettering in 1997. Copies of reports on these investigations and removal actions can be found in the administrative record.

On this parcel, only one site, C6, was identified for further investigation. This as an area located under a former water tower, which was painted with lead based paint. Sampling of the soils indicated that the lead did not exceed commercial/industrial standards, and the parcel was restricted to commercial/industrial use.

Parcel D:

As part of the property transfer process, areas that were potentially contaminated were investigated to determine if they would be safe for reuse. The investigations supported the decision by the Air Force, Ohio EPA, and U.S. EPA that the property was suitable for transfer. This parcel was transferred to the City of Kettering in 1998. Copies of reports on these investigations can be found in the administrative record.

Parcel F:

As part of the property transfer process, areas that were potentially contaminated were investigated to determine if they would be safe for reuse. The investigations supported the decision by the Air Force, Ohio EPA, and U.S. EPA that the property was suitable for transfer. All areas that were identified as being potentially contaminated were sampled, and found not contaminated. This parcel was transferred to the City of Kettering in 1998. Copies of reports on these investigations can be found in the administrative record.

Parcel E:

As part of the property transfer process, areas that were potentially contaminated were investigated to determine if they would be safe for

reuse. The investigations and subsequent soil and sediment removal actions conducted on Parcel E supported the decision by the Air Force, Ohio EPA, and U.S. EPA that the property is now suitable for transfer to the City of Kettering. Due to public concerns about constructing homes, this parcel has not yet been transferred to the City of Kettering. Copies of reports on these investigations and removal actions can be found in the administrative record.

Parcel E consists of 22 acres, primarily south of the West Branch of Little Beaver Creek and a small portion of Parcel E is located north of the creek along the eastern boundary.

Ground water contamination was identified in Parcel E during Phase I and Phase II investigations, therefore, this site was recommended for further investigation as part of a Supplemental Remedial Investigation. During the supplemental remedial investigation of Parcel E, ground water and soil contamination were characterized and evaluated to determine whether remedial action was needed due to potential risks to these media. Field activities included soil sampling, monitoring well installation and sampling of ground water was conducted along with efforts to characterize background conditions for surface soils.

The results of the supplemental remedial investigation field activities indicated that ground water was contaminated with solvents, specifically trichloroethylene (TCE) and its breakdown products such as cis 1,2 dichloroethene and vinyl chloride. The results of the investigation prompted the excavation and removal of the disposal area (site D1). Soil samples were collected during and after the removal of the disposal area at D1 to verify that no residual soil contamination remained. Upon verification of this, site D1 was recommended for no further action with respect to soils. Ground water was monitored to ensure that contamination from soils did not migrate to ground water during the removal of the disposal area.

A second potential source of ground water contamination in Parcel E was identified at site C7. One area of soil contamination, C7SB03, warranted remedial action due to the presence of several different types of solvent and petroleum contamination including benzene, perchloroethylene (PCE), TCE and breakdown products, vinyl chloride and tetrachloroethane and trichloroethane. Site C7 was excavated and contamination in the soil was removed.

The West Branch of Little Beaver Creek (Site C1) was evaluated by the Air Force and found to have total PAH's ranging from 21 to 510 parts

per million in the sediment. The PAH concentrations of the creek sediments up gradient of the site ranged from 31 ppm to 210 ppm and the sediments exiting the site ranged between 21 ppm and 75 ppm. This phenomena was explained by the fact that the West Branch of the Little Beaver Creek is a highly urbanized stream and collects runoff from a heavily developed area. Since PAH's could also be attributed to coal storage at the facility, the Air Force removed all sediment from C1 throughout the site and backfilled with clean fill. Since the creek is contaminated upgradient, and re-contamination above residential re-use standards was inevitable, signs prohibiting wading and swimming were placed along the creek throughout the site.

With the exception of site C1, Parcel E was cleaned to residential reuse standards. The City of Kettering plans to develop both a park and residential housing in this parcel.

A FOST was prepared for Parcel E and approved by US and Ohio EPA. Once the Air Force signs the FOST, the property will be transferred to the City of Kettering. Due to community concerns about Parcel E, the City of Kettering has stated that they do not want this parcel transferred to them until the concerns of local residents are addressed.

updated: 2/4/2009

Useful links:

- [DESC Home](#)
- [Frequently Asked Questions](#)
- [Photographs of March 2000 stream removal](#)
- [City of Kettering](#)
- [Administrative Record](#)

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