



DeKalb County Seminole Road MSWL July 24, 2000

Introduction

The Agency for Toxic Substances and Disease Registry (ATSDR) requested that the Georgia Division of Public Health (GDPH) investigate community complaints regarding odors and inquiries about health impacts from the Seminole Road Landfill in DeKalb County, Georgia. Air emissions and odor issues were discussed in a health consultation ATSDR issued in January 1999. This health consultation addresses contaminated groundwater and surface water issues at the site.

Site Description and History

The Seminole Road Landfill is an 800-acre complex in southeast DeKalb County, Georgia. The landfill complex includes a transfer station and a composting operation. The portion of the site that is occupied by active and closed waste disposal areas is bound to the north by site property maintained for future expansion, to the east by Clevefont Road, to the south by Linecrest Road, and to the west and southwest by Ward Lake Road. Linecrest Road is the county line between DeKalb and Henry Counties.

Access to the landfill is controlled by the scale house attendant during working hours and by a security fence surrounding the landfill property. The site is patrolled by a security guard and the entrance gate is locked during non-operating hours.

Environmental Sampling/Results

Five contaminants, benzene, cis-1,2-dichloroethelene, trichloroethelene, tetrachloroethelene, and vinyl chloride have been detected in on-and off-site monitoring wells at

levels exceeding drinking water comparison values. Groundwater samples suggest that contamination has migrated off site to the area south of the landfill. Groundwater flow and chemical transport analyses indicate that the contaminant plume is receding and that for every constituent detected, the levels are decreasing or are no longer found in the groundwater. Contamination is thought to be decreasing as a result of natural attenuation and reduced infiltration since the unlined disposal area was capped. No contamination has been detected in any off-site drinking water wells. In addition, DeKalb County monitors water quality in the surface water systems, and no impacts from the landfill have been detected. No evidence was found that exposure to contaminated groundwater has occurred, is occurring, or will occur in the future.

Conclusions

Contaminated groundwater at the Seminole Road Landfill poses **no public health hazard** because no evidence was found that exposures have occurred, are occurring, or are likely to occur in the future.

Recommendations

- Ensure residents are not exposed to contaminants present in the groundwater south of the landfill. Do not use contaminated water for consumption or for any other purposes.
- Continue to monitor surface water and groundwater to identify contamination that could possibly result in exposure.