

# North Wake Landfill Groundwater Contamination Frequently Asked Questions

## **What is landfill groundwater contamination?**

Over time, the materials within an unlined landfill can leach into the surrounding ground, causing several challenges. Challenges include the potential for contaminant levels that may exceed North Carolina's groundwater standards and potential offsite migration of contaminants. Thus, it is important to monitor the groundwater surrounding a closed landfill closely for any potential contamination and remedy any issues immediately.

## **What is involved in an assessment of corrective measures?**

The assessment of corrective measures includes an analysis of the effectiveness of potential remedies. A remedy is chosen based on the ability to meet certain criteria, including: reliability, ease of implementation, impacts, safety, control, time, and cost effectiveness.

## **What ongoing monitoring activities have the Division initiated?**

The Wake County Solid Waste Management Division samples the groundwater around the unlined NWLF cell semi-annually to monitor contaminant concentrations and potential offsite migration.

## **If there is any contamination, how will that be resolved?**

Low-level groundwater contamination has been detected beyond the landfill property in a localized area. Because of the low levels of contaminants and the limited extent of migration, the current remediation plan will include monitored natural attenuation of the groundwater contaminants paired with in situ remediation by air sparging in the area of offsite migration.

## **How does the closed landfill affect the community?**

There are no groundwater users in the area. All water is supplied by the City of Raleigh. Due to public access limitations, depth of groundwater and the limited extent of contamination, there is no risk of public exposure to groundwater contamination at the closed landfill.

### **Public Meeting Information**

Friday, October 2, 2009

4:30 pm to 7:00 pm

Pullen House

10801 Durant Road

Raleigh, North Carolina

Additionally, the assessment report is available in full for inspection. Please visit the Solid Waste Management Department Office located at 9025 Deponie Drive, Raleigh, North Carolina or visit us online at [www.wakegov.com/recycling/solidwaste/publicnotice](http://www.wakegov.com/recycling/solidwaste/publicnotice).