Post-closure development of landfills

by Ibraheem Shunnar, senior vice president, NTH Consultants

Thursday, October 22, 2009

12:00 – 13:00

Room 2355 GGBL

Abstract

Many landfill sites have become an attractive target for development. While landfill sites have been historically redeveloped for recreation purposes, more sites are being developed as commercial retail centers. The redevelopment of landfills presents a wide variety of engineering challenges. Successful design of these projects is critical not only to its success but also to the public support/opposition of other similar projects. Geotechnical considerations for landfill redevelopment will be reviewed including settlement mitigation, foundation systems, gas management, and utility considerations, among others. General regulatory and legal challenges are also discussed. Experiences on several redevelopment projects will be presented.

Speaker’s Bio

Ibraheem Shunnar is a senior vice president of NTH Consultants, an infrastructure and environmental consulting company headquartered in Detroit, Michigan. He has a Masters degree in Geotechnical Engineering from the University of Michigan and is a registered professional engineer. Mr. Shunnar has more than 20 years of experience in geotechnical engineering with emphasis on design, construction and redevelopment of landfills. He is the NTH project manager for the Fairlane Green redevelopment, winner of the 2008 National Phoenix Award.

***** Everyone is invited**********