

Municipal Stormwater Programs in Action – Lessons Learned

The tour will focus on implementation of the NPDES permit program for municipal stormwater runoff and the innovative ways that local MS4s are meeting those requirements. Tour stops will provide the opportunity to see the implementation of the six minimum control measures in action, including public education and involvement campaigns, illicit discharge monitoring and the implementation of green infrastructure to solve stormwater management issues, in both retrofit and new development scenarios.

Proposed Stops:

Cleveland Department of Water Pollution Control – The City of Cleveland WPC facility was retrofitted with green infrastructure thanks to an Ohio EPA SWIF grant. Permeable concrete and permeable pavement were installed in sections of the parking lot. Rooftop runoff is either treated in bioretention cells or harvested in cisterns and used to wash service vehicles. The City of Cleveland will also discuss their “Only Rain Down the Drain” public education campaign.

City of Seven Hills – The City of Seven Hills Municipal Building was also retrofitted with green infrastructure through an Ohio EPA SWIF grant. The City installed several bioretention cells, permeable pavers and an underground cistern. The City also completed a streetscape project near City Hall in 2012 making use of tree box filters and permeable pavers. Private redevelopment projects along the streetscape area have also begun to implement green infrastructure.

Huntington Park Beach – Huntington Park is a major beach on Lake Erie. The Cuyahoga County Board of Health has been implementing a beach monitoring program under a GLRI grant. They will share their findings and how they are being used not only to alert swimmers of water quality issues, but also to help communities improve their municipal stormwater programs through the identification of illicit discharges. CCBH may also demonstrate dry-weather screening and source tracking protocols.

City of Avon Lake – The City of Avon Lake has developed a number of materials to educate home owners associations and property owners on long-term maintenance of post-construction BMPs. Participants will also meet Al the Alligator, the City’s mascot for their stormwater education program.

Nordson World Headquarters – Nordson Corporation is a leading manufacturer of equipment used to dispense adhesives, coatings, sealants and biomaterials. When they built a new world headquarters in 2011, they built a LEED-certified silver facility that includes both structural and non-structural stormwater management practices. The facility makes use of permeable pavers, native vegetation, wetland preservation and bioswales to limit the generation of stormwater runoff.



Photo source: nordson.com

Crocker Road Detention Basin – The City of Westlake partnered with private developers to retrofit an existing flood control structure as a regional solution to stormwater quality management. The City offers credits for purchase to developers within the watershed if they choose to use the basin as their stormwater quality control in lieu of on-site controls. Water quality is monitored by science students from the local high school.