

# POTENTIAL WATER QUALITY IMPACTS FROM LEAKING SEWERS:

## A CASE STUDY FROM THE PITTSBURGH REGION

Presenter: [Marion Divers, University of Pittsburgh](#)

Identifying and budgeting the source of pollutant loadings on water bodies has become a crucial area of importance for engineers and scientists in recent years mainly in part to total maximum daily load regulations and combined sewer overflow consent orders. Non-point sources of pollutant loadings are routinely the most difficult to pinpoint due to the simple fact that the contributing source is not centrally located at an easily measurable location.

In the February 19, 2013 issue of *Environmental Science and Technology*, researchers from the University of Pittsburgh quantified arguably the most important and challenging unknowns in non-point source pollutant loading: nitrogen from aging and leaking sewers. Their research ultimately concluded that “up to 12 percent of all sewage produced by residents living in the Nine Mile Run watershed area leaks from the sewers and is transferred to the stream, negatively affecting stream water quality.”

Join us for what should be an eye-opening presentation and lively discussion regarding this important topic. **Lunch buffet will be included as part of registration.**



### Date and Time:

Friday, February 7, 2014  
11:00 a.m. - 1:00 p.m.

Registration: 11:00 a.m.- 11:30 a.m.

Lunch: 11:30 a.m. - 12:00 p.m.

Presentation: 12:00 p.m. followed by Q&A

### Location:

Engineer's Society  
of Western Pennsylvania  
337 Fourth Ave.,  
Pittsburgh, PA 15222

### Cost:

\$20.00 - Members  
\$30.00 - Non-Members  
\$10.00 - Students

### RSVP by February 4th with:

Tim Brett, EWRI Treasurer  
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or online at [www.asce-pgh.com](http://www.asce-pgh.com)



PHOTOS OF WATER QUALITY IMPAIRMENT WITHIN THE NINE MILE RUN CULVERTED SECTION