

**2009 24<sup>th</sup> Annual CONFERENCE ON THE ENVIRONMENT**

**November 12, 2009**

Earle Brown Heritage Center, Brooklyn Center, Minnesota

**SPEAKER BIOGRAPHY SHEET**

The following information will be used by session moderators in introducing presentations for the conference. The conference is sponsored by the Minnesota Section, Central States Water Environment Association, a member association of the Water Environment Federation, and the Air & Waste Management Association – Upper Midwest Section.

**Name:** Jonathon Kusa, P.E., LEED AP

**Organization:** Howard R. Green Co.

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**Email:** [jkusa@hrgreen.com](mailto:jkusa@hrgreen.com)

**Professional Title:** Surface Water Group Leader

**Brief Professional History/Awards/Publications:** Jonathon has ten years of experience working in policy and engineering consulting for water resource projects. Jonathon's background includes project experience in erosion control design, site design, transportation engineering, wastewater conveyance, and design of bioengineering solutions for storm water management. Although his primary focus has been in the area of stormwater engineering, Jonathon has diversified his experience and has been active at HR Green in developing dynamic sanitary system models to evaluate a wide range of collection system and interceptor issues.

**Education Background:** Bachelor of Arts with Honors in Public Policy Analysis with a specialization in Environmental Systems from the University of North Carolina at Chapel Hill. Master of Science in Civil Engineering with a specialization in Water Resources and Environmental Systems from North Carolina State University.

**Title of Presentation:** SWMMing Through the Data – using dynamic software models to evaluate sanitary systems.

**Brief Presentation Description:** While the reduction of I/I is a valuable ongoing effort for most communities, the approach and resulting impacts to the sanitary sewer system are often unquantified. HR Green has applied XPSWMM network modeling to several sanitary systems to attempt to refine the approach and quantify the system impacts. This presentation will discuss the pros and cons of applying hydrologic and hydraulic modeling to estimate sanitary wet weather flows based on completed studies.

**Project Status (if applicable):** This presentation is based on several completed as well as ongoing projects in addition to data from local communities.

**Additional Information:** \_\_\_\_\_

\_\_\_\_\_ will you agree to bring a CD, or a USB memory stick? Yes  USB Drive No \_\_\_\_\_

**Presentation Aids** (please check those applicable):

\_\_\_\_\_ Overhead projector \_\_\_\_\_ Slide projector  LCD projector \_\_\_\_\_ Other