

Research Presentations and Publications

May 9, 2006

CONFERENCE PRESENTATIONS

Presentation entitled “*Risk and Opportunity in Upgrading U.S. Water and Wastewater Infrastructure*” presented at the SRA 2001 Annual conference in Seattle, WA on **December 3, 2001**.

Presentation entitled “*A Multi-Media Framework for Consolidating Modern Environmental Regulations*” presented at the 2002 AWRA Summer Specialty Conference in Keystone, CO on **July 2, 2002**.

Presentation entitled “*A Comparison of Old and New MSS Planning and Management System Paradigm*” presented at the 2003 ASCE-EWRI World Water and Environmental Resources Congress in Philadelphia, PA in **July 2003**.

Presentation entitled “*Model of a Standardized Efficiency Measure to Assess Performance in the Community Water Systems Sector*” presented at the 2004 INCOSE-MARC Conference in Arlington, VA in **November 2004**.

Presentation entitled “*A Standardized Performance Assessment and Evaluation Model for Community Water Systems*” to be presented at the Systems and Information Engineering Colloquium in Charlottesville, VA on **April 1, 2005**.

Presentation entitled “*A Data Envelopment Analysis based Decision Support System tool for Community Water Systems*” to be presented at the 2005 IFORS Triennial Conference in Honolulu, HA in **July 2005**.

Presentation entitled “*A Method for Robust Performance Assessment and Evaluation of Community Water Systems*” to be presented at the 2005 VWEA/VA-AWWA (Water Jam) Joint Annual Conference in Virginia Beach, VA in **September 2005**.

CONFERENCE PROCEEDINGS PAPERS

AWRA 2002 Proceedings Paper K-140 entitled “*A Multi-Media Framework for Consolidating Modern Environmental Regulations*” was submitted to the 2002 AWRA Summer Specialty Conference in Keystone, CO in **July 2002**.

ASCE 2003 Proceedings Paper 414 entitled “*A Comparison of Old and New MSS Planning and Management System Paradigm*” was submitted to the 2003 ASCE-EWRI World Water and Environmental Resources Congress in Philadelphia, PA in **July 2003**.

INCOSE-MARC 2004 Proceedings Paper entitled “*A Standard Efficiency Metric: The Building Block for a Robust Performance Assessment and Evaluation Model for Community Water Systems*” was submitted to the 2004 INCOSE-MARC Conference in Arlington, VA in **November 2004**.

VWEA/VA-AWWA 2005 Proceedings Paper entitled “*A Method for Robust Performance Assessment and Evaluation of Community Water Systems*” to be submitted to the 2005 Water Jam Joint Annual Conference in Virginia Beach, VA in **September 2005**.

SYSTEMS and INFORMATION ENGINEERING TECHNICAL PAPER SERIES

SIED Technical Paper Number 040007 entitled “*Risk and Opportunity in Upgrading the U.S. Drinking Water Infrastructure System*” was developed from the SRA 2001 Annual conference presentation. The paper was submitted as an electronic submission on **August 5, 2004**. This technical paper was posted for viewing on the UVA, SEAS, SIED website: <http://www.sys.virginia.edu/techreps/>

PUBLISHED ARCHIVAL PAPERS

Peer-reviewed paper entitled “*A Standardized Performance Assessment and Evaluation Model for the Community Water Systems*” was submitted as an electronic submission to the Journal AWWA on July 30, 2003. The initial peer review was completed on May 28, 2004. The initial reviewer comments were addressed and a revised manuscript entitled “*A Standard Efficiency Metric for Evaluating the Performance of Community Water Systems*” was resubmitted to AWWA on October 28, 2004. This manuscript was accepted for publication on **June 17, 2005** and published in the **October 2005** issue of the Journal AWWA.

Peer-reviewed paper entitled “*A Financial Resource Allocation Model for Regional Water Systems*” was submitted as an electronic submission to the ITOR on September 21, 2005. The initial peer review was completed on January 9, 2006. The initial reviewer comments was resubmitted to ITOR on January 12, 2006. This manuscript was accepted for publication on **March 2, 2006**.

PROPOSED DISSERTATION-RELATED JOURNAL ARTICLES

Peer-reviewed manuscript entitled, “*A Review of Performance Assessment Practice in Small CWS*” was submitted as an electronic submission to the Journal AWWA on **February 14, 2006**. The initial peer review was completed on

Peer-reviewed manuscript entitled, “*Risk and Opportunity in Upgrading the U.S. Drinking Water Infrastructure System*” was submitted as an electronic submission to the Journal of Environmental Management on **February 17, 2006**. The initial peer review was completed on

Peer-reviewed manuscript entitled, “*A Comparison of the Old and New Planning and Management Approaches for MSS*” was submitted as an electronic submission to the INCOSE’s Journal Systems Engineering on **May xx, 2006**. The initial peer review was completed on

Peer-reviewed manuscript entitled, “*A Method for Comparative PAE of Consolidating CWS as a RWS*” was submitted as an electronic submission to the ASCE’s Journal Infrastructure Systems on **May xx, 2006**. The initial peer review was completed on

Peer-reviewed manuscript entitled, “*A New PAE Model for Small CWS*” was submitted as an electronic submission to the ASCE’s Journal Infrastructure Systems on **June xx, 2006**. The initial peer review was completed on

Peer-reviewed manuscript entitled “*A Historical Perspective of the Municipal Sanitation System Infrastructure Crisis*” was submitted as an electronic submission to the Journal Environmental History on **July xx, 2006**. The initial peer review was completed on

Peer-reviewed manuscript entitled, “*Case Study – A New Approach for Using PAE for Decision-Making for Small CWS*” was submitted as an electronic submission to the Journal Civil Engineering & Environmental Systems on **Aug xx, 2006**. The initial peer review was completed on