

# QUARTERLY NEWSLETTER

INSIDE THIS ISSUE:

|  |   |
|--|---|
| <i>FEMA ACCEPTS XP-SWMM FOR NATIONAL FLOOD INSURANCE PROGRAM (NFIP)</i>  | 1 |
| <i>EPA AND NSF INTERNATIONAL/ ENVIRONMENTAL TECHNOLOGY VERIFICATION (ETV) TESTING PROGRAM GIVES XP-SWMM STAMP OF APPROVAL!</i> | 2 |
| <i>XP-FLOOD: A NEW COMBINATION PRODUCES A POWERFUL NEW TOOL IN FLOODPLAIN MANAGEMENT</i>                                       | 3 |
| <i>EMPLOYEE SPOTLIGHT</i>  | 3 |
| <i>EXECUTIVE TOUR STRENGTHENS XP SOFTWARE'S COMMITMENT TO ASIAN DISTRIBUTION CHANNELS</i>                                      | 3 |
| <i>ABOUT XP</i>  | 4 |



## FEMA ACCEPTS XP-SWMM FOR NATIONAL FLOOD INSURANCE PROGRAM (NFIP)

XP Software announces that the Federal Emergency Management Agency (FEMA) has accepted XP-SWMM software for use in the National Flood Insurance Program (NFIP). As a reflection of the program's universal functions, XP-SWMM acceptance under multiple categories signifies results are now accepted for virtually any steady state, unsteady state, hydraulic or hydrological application. The announcement was made in Portland, Oregon by Geoff Thompson, XP Software President.

The Federal Insurance and Mitigation Administration (FIMA) manages the NFIP and oversees FEMA's flood hazard programs. The agency's cornerstone philosophy emphasizes mitigation as the key to emergency management and has established a network of programs, partners and activities aligned towards minimizing the impact of floods on lives and communities. Engineers and planners are able to improve public safety by using products like XP-SWMM to identify and measure flood hazards through hydrologic and hydraulic analysis. Those results are then translated into Flood Hazard Maps which are later used by floodplain managers or community officials in regional mitigation programs.

Originally developed for water resource engineers in 1986, XP-SWMM has traditionally been used to model or analyze watersheds and collection systems in rural or urban settings.



*XP-SWMM is now the most widely accepted numerical model for flood hazard mapping to be accepted by FEMA under multiple categories.*

While water resource engineers still comprise the core clientele, new uses have emerged over the years and now include other disciplines such as architecture and construction. NFIP acceptance will add additional value for existing clients and further extend the company's market reach into the insurance, floodplain management and government sectors.

"Client requests fueled the initiative for FEMA approval, but there will also be many new users who will benefit from NFIP acceptance," explained Jan Thompson, VP of Sales and Marketing. "We expect 25% of existing users to start using XP-SWMM for FEMA related projects or insurance studies, and are pleased to make this announcement at a time when maximizing capital investments is more important than ever to prudent organizations."

XP-SWMM is a Decision Support System (DSS) that accurately represents real-life scenarios and is used by floodplain professionals to identify flood hazards, derive balanced mitigation alternatives, and devise disaster recovery plans. A proprietary self-modifying Dynamic Wave solution algorithm works behind the scenes to produce accurate representations of hydrodynamics in both urban and rural environments. This economical tool provides a user-friendly solution to compile, store, manage, analyze and display data. All cycles of flood management can be automated with XP-SWMM.

To further extend XP Software's commitment to floodplain management, the company will host information booths at the Association of Floodplain Managers (ASFPM) conference in St. Louis, MO on May 12—14 and the Environmental and Water Resource (EWRI) conference in Philadelphia, PA on June 23—26.

## ENVIRONMENTAL PROTECTION AGENCY (EPA) AND NSF INTERNATIONAL/ENVIRONMENTAL TECHNOLOGY VERIFICATION (ETV) TESTING PROGRAM GIVE XP-SWMM STAMP OF APPROVAL!



Caveat Emptor, "Let the Buyer Beware." This is not just good advice, it's also the guiding principal for our nation's advertising laws. Shoe companies can advertise that their shoes will make you jump higher and cosmetic companies can claim that their creams will cause cellulite to magically disappear, but consumers can be confident knowing products with the NSF International logo have undergone rigorous independent testing to verify such claims.

NSF has been developing standards and provided third-party conformity assessment services to government, consumers, and manufacturers of products related to environmental and public health safety since 1944. The organization is widely recognized for its scientific and technical expertise in the health and environmental sciences and employs leading international experts to set and review international standards for regulatory officials, independently verify consumer products, and provide educational services for the private and public sectors.

NSF International and the EPA have partnered together for a project called the Wet Weather Flow (WWF) Pilot study. The scope of the WWF Pilot covers any commercially available technology for use in abatement of pollution associated with WWF, such as rain events and snow melt. Objectives of the program are to ensure wet weather models provide the correct representation of wet weather processes and to promote a level of consumer confidence in the model's background methods and processes.

XP-SWMM has passed a rigorous testing program under the WWF Pilot, An EPA/NSF Environmental Technology Verification (ETV) Program. Performance and verification testing found favorable results in the hydrology and hydraulics components of XP-SWMM. Testing conclusions confirmed that XP-SWMM is an easy-to-use product consumers can trust to control and treat combined-sewer overflow (CSO), sanitary sewer overflow (SSO), and urban stormwater runoff.

According to Donna B. Hackett of NSF International "XP-SWMM provides a framework for the user to input data consistently, build

models efficiently and review results effectively. This then allows the user to concentrate on how the model simulates the natural system, the interpretation of the simulation results and the conclusions drawn from such results."

A preliminary report on the Wet Weather Flow Pilot written by Ms. Hackett and David Crawford of Crawford Engineering Associates states that, "XP-SWMM is a comprehensive suite of tools to evaluate rainfall, runoff and transport of flow through pipes and channels...and can be used with confidence by most users with some level of training in hydrology or hydraulics." This report is co-authored by Dr. John Schenk, PhD, P.E., NSF international and Mary Stinson, U.S. EPA. Please e-mail [info@xpsoftware.com](mailto:info@xpsoftware.com) for a free copy of this report, entitled, "ETV Verification of Urban Runoff Models Under the Wet Weather Flow Pilot: An EPA/NSF Environmental Technology Verification (ETV) Program."

For additional information on the EPA/NSF Environmental Technology Verification Program, please visit <http://www.nsf.org/etv> or <http://www.epa.gov/etv>.

---

## XP-FLOOD: A POWERFUL NEW FLOODPLAIN MANAGEMENT TOOL

---

XP-Flood assists floodplain managers and engineers to identify flood hazards, derive balanced mitigation alternatives, and devise disaster recovery plans. There are two core elements of XP-Flood; XP-SWMM for hydrologic and hydraulic modeling and XP-12d for Digital Terrain and Floodplain Mapping. This economical tool automates almost all cycles of floodplain management and provides a user-friendly solution to compile, store, manage, analyse and display data.

**Three "sizes" of XP-Flood are now available at a reduced cost now for a limited time. Choose from:**

| Professional Size  | Advanced Professional  | Enterprise Size  |
|--|--|--|
| <b>ONE</b> 50 node license of XP-SWMM<br><b>ONE</b> 50,000 point license of XP-12d<br><b>And these add-on modules:</b><br>XP-SWMM, Rivers I/O<br>DXF/DWG I/O<br><b>Two</b> "live" on-line training modules | <b>ONE</b> 5,000 node license of XP-SWMM<br><b>ONE</b> 250,000 point license of XP-12d<br><b>And these add-on modules:</b><br>Everything in "Professional Size" package plus the Visualization module! | <b>ONE</b> Unlimited node license of XP-SWMM<br><b>ONE</b> 5,000,000 point license of XP-12d<br><b>And these add-on modules:</b><br>Everything in "Advanced Professional" package plus your choice of either the MAPInfo I/O or ARC view I/O module! |
| <b>Price, <del>\$4,245.00</del>USD <b>\$3,495.00</b></b>   | <b>Price, <del>\$16,845.00</del>USD <b>\$13,495.00</b></b>   | <b>Price, <del>\$21,695.00</del>USD <b>\$16,495.00</b></b>   |

# XP-SOFTWARE EMPLOYEE SPOTLIGHT

XP Software staff are often told that XP Software appears to be a busy yet fun place to work. We couldn't agree more and would like to share the XP experience with you. Starting with this current feature on Robert Carr, Senior U.S. Water Resource Engineer and XP-SWMM Trainer, the XP Software newsletter will include a spotlight on a different employee each issue. Be sure to keep an eye on this section and familiarize yourself with the friendly and knowledgeable staff at XP-Software!



**Name:** Robert Carr  
**AKA:** "Bob"  
**Profession:** Senior Water Resources Engineer and U.S. Trainer at XP Software  
**Years at XP Software:** 2  
**Hometown:** St. Francis, WI  
**Education:** BS, Civil Engineering, Water Resources, Milwaukee, Wisconsin  
**Professional Experience:** Current Chair of the American Public Works Association's (APWA's) Water Resource Management Committee, 23 years professional engineering experience, numerous public speaking engagements and published papers.

**Favorite Color:** Blue      **Favorite Food:** Mexican      **Favorite Movie:** Lord of the Rings  
**Best way to get to the front of the technical support queue:** Quote lines from Monty Python's "In search of the Holy Grail".  
**Worst way to get to the front of the technical support queue:** Insult the Green Bay Packers.  
**Contact information:** (office) (414) 727-9870    (email) bob@xpsoftware.com

## EXECUTIVE TOUR STRENGTHENS XP SOFTWARE'S COMMITMENT TO ASIAN DISTRIBUTION CHANNELS

XP Software has established clientele in seven Asian countries, has opened three distribution offices, and has played an instrumental role on many notable projects such as the Yangtze River Restoration. Anthony (Tony) Kuch, VP of Software Applications, recently returned from a South East Asian tour back to the office he currently manages in Toronto, Canada. Tony began the tour by instructing a class of 26 students on the fundamental principals of modeling wet or dry weather flow in open or closed channels with XP-SWMM. He later traveled throughout Japan, where he provided numerous presentations, training and implementation services for XP-SWMM users. XP-SWMM is distributed in Asia through distribution offices in Japan Korea and Malaysia.



Anthony (Tony) Kuch, VP of Software Applications, teaches a class of 26 the basic functions of XP-SWMM in Korea. Documentation for XP-SWMM is available in Korean and a Japanese version of the software is also available.

**For further information on Asian distribution, please contact:**

- Japan-** Decision Japan CO., LTD. | Anita Byrnes | +81 3 5232-0647 | anita@decisionjapan.co.jp
- Korea-** HYDROSOFT | Jin H Kim | +82 31-913-0330 | hydrosoft@seoulbnb.com
- Malaysia-** Lestari Software Enterprise | Siew Yean LOKE | +60 3 9131-0161 | lestarisoftware@hotmail.com



### North American 10 YEAR ANNIVERSARY

XP Software has produced hydro-environmental engineering software demanded by leading engineers and planners worldwide since 1986, and have operated in North America for just over a decade. Since then, our products have been used on such notable international projects as the Yangtze River, Sydney Olympics, and Everglades Restoration - just to name a few.

Redeem this coupon for a FREE "live" online training module with any new software purchase. Valid until June 30, 2003.

## Products

---

**XP-SWMM**

**XP-Storm**

**XP-12D**

**XP-GIS**

**XP-RatHGL**

**XP-Culvert**

## Services

---

**Onsite  
Training**

**Internet-  
based  
Training**

**Public  
Workshops**

**Custom  
Integration**

**Sub-  
consulting**

## About XP Software

XP Software has provided civil engineers and municipalities with award-winning software for hydrology, drainage, water supply and water-quality applications since 1970. A pioneer in dynamic hydraulic software in Australia, XP Software currently maintains offices worldwide. Our flagship product, XP-SWMM is the only economical software package that provides all the major hydrology methods to allow you to estimate your storm water inflows, waste water, dry weather and infiltration flows. XP Software also develops XP-Storm for total stormwater system design analysis, XP-Culvert for culvert and pond modeling and XP-Flood for floodplain management. XP Software offers ongoing public training workshops, in-house training, and online training to accelerate professional growth.

## To Contact us

### XP Software

2000 NE 42nd Ave, Suite 214, Portland, OR 97213

Call for a local representative: 1-888-554-5022 (US) 1-877-533-4533 (Canada)

Email inquiries to: [info@xpsoftware.com](mailto:info@xpsoftware.com)

[www.xpsoftware.com](http://www.xpsoftware.com)

**Or Visit us!** Meet the staff of XP Software, here's where we'll be in 2003:

---

### April

24—25 London, Ontario: 2-day XP-SWMM Introductory Workshop\*

14—16 ASCE sponsored XP-SWMM training

### May

11—16 ASFP Conference, St. Louis, MO

29—30 Atlanta, GA: 2-day XP-SWMM Introductory Workshop\*

### June

2—6 WEF /WEAT Collection Systems 2003 Conference, Austin, TX

11—13 CWRA Conference, Vancouver, B.C.

16—17 Burnaby, B.C.: 2-day XP-SWMM Introductory Workshop\*

23—27 EWRI Conference, Philadelphia, PA

### July

9—10 Portland, OR, 2-day XP-SWMM Introductory Workshop\*

11 Portland, OR, 1-day XP-12 Introductory Workshop\*\*

28—31 STORMCON, San Antonio, TX

### August

14—15 Washington D.C.: 2-day XP-SWMM Introductory Workshop\*

24—27 APWA, San Diego, CA

### September

11—12 Edmonton, Alberta: 2-day XP-SWMM Introductory Workshop\*

18—19, Houston, TX: 2-day XP-SWMM Intermediate to Advanced Workshop\*

### October

12—16 WEFTEC 2003, Los Angeles, CA

23—24 Honolulu, HI: 2-day XP-SWMM Introductory Workshop\*

### November

13—14 Milwaukee, WI : 2-day XP-SWMM Introductory Workshop\*

27—28 Montreal, Quebec: 2-day XP-SWMM Introductory Workshop\*

### December

18—19 Houston, TX : 2-day XP-SWMM Introductory Workshop\*

**\*XP-SWMM introductory workshops will concentrate on the application of XP-SWMM for stormwater and wastewater quality/quantity modeling. The class will benefit all water resource engineers in their understanding of XP-SWMM. Users will advance their skills by applying XP-SWMM to typical engineering applications. Online and in-house training is also available. Accredited for continuing education units in most areas.**

**\*\*Attending all three days of the Portland workshop equates to completing the XP-Flood introductory workshop.**